

Project to Foster Global Citizenship (Transmitting to the World)
Research Brief
the Period for Integrated Studies
Fifth Grade, Gunma Prefectural Chuo Secondary School 2016

Think about Extinct Species
~from eco system~

5101

1 Introduction

Recent years, many kind of animals have become extinct, and the world preserves them. For example, WWF was established as a NPO to protect animals and to maintain the ecosystem.

However, I wonder why they do, thus I started to study.

2 Main issues

First, if animals become extinct, affect to the eco system? For instance, *Canis lupus hodophilax* which lived in Japan and became extinct in 1900s ate *Cervus nippon*. However, *Cervus nippon* doesn't increase because of them extinct. (Certainly, they have increased but it was because of global warming.) And in the case of *Lutra lutra whiteleyi*, it is the same.

So there are no effects if animals become extinct because ecosystem has maintained since the animals were born.

3 Conclusions

The reason why animals can become extinct is that human being evolved from *Pikaia* which exist in Cambrian age. I insist on preserving animals may prevent the evolution to new animals.

Abstract

There are some water problems such as the lack of water resources, water pollution among Developing countries today. In generally speaking, These problems will be more seriously in 21 century because of increasing the population of the world, developing cities, or forest getting rough and decreasing and so on. Following Fact Sheet in WHO(World Health Organization). It is expected that the half people of the world live in the areas which has been lack for water by 2025.

About japan, people can't find serious problems happened around us. There is a reason. Japan has a lot of precipitation .so these problems are un familiar to Japanese. However Japan has been imported huge things from around the world, so the Lacking the water problem in other country may has influence to japan. In this research, I focus on the lacking water problems in Japan. And I will suggest how to solve the problem last.

1 Introduction

In our time, Water is one of the most necessary parts to live for creatures and human. In generally The lacking water problem should be discussed as soon as possible to solve around the world especially Africa. However Japanese could not find this problem well because Japan has great water equipment and a lot of rain. Actually Japan has big water problem "Virtual water". This theory is suggested by The research group of Tokyo university and government. Following this research, Japan has serious lacking water problem considering about imported food. This theory have to think about the volume of water used in imported food. According to the data from Ministry of Environment, The volume of water which is imported to Japan from other countries was 80billion cubic meter of water. Almost this water come from producing foods. It is as volume as the volume used in Japan per year. It is serious problem for japan too.

2 Discussion and implications

What way can solve this problem. I think the best way is Local production. I think it is impossible to serve in the world under present conditions if the opposite would happen between Japan and other countries. To decrease the hazard of destruction of a nation. We ought to focus on the food produced in local area. If most of the people depends on the local products especially food the value of virtual water will be decrease.

3 Conclusion

How do we work on concretely to solve that problem. I encourage to make a community of local food production and consumption. There are equipment called "MICHINOEKI", but it has not been established as common way to buy foodstuffs for meal at home. Moreover the fresh food produced in local have a lot of nutrition, so government ought to advertise in the value of using it.

1 Introduction

This time I decided to theme which is “aging population”. Then decreasing of production age population is one of the problems. Advancement in society of woman and childcare leave system influenced on the problem so, it is not easy. Then I paid attention to “health lifetime”. Japan is known to long-running country. It is that year of subtract the average lifespan from the health lifespan means keeping sleep span. The span is very long in the world. Then extending the health lifespan and rising retirement age, and extending work span are goal I think.

2 main subject

On average lifespan and healthy life expectancy. According to the data from the Ministry of Health, Labor and Welfare in 2014, the average life expectancy of Japanese men was 80.21 years, and that average life expectancy of women was 86.61 years. The health life expectancy of males was 70.42 years old, and that health life expectancy of females was 73.62 years. The bedridden period of Japanese men is about 10 years and that of women is 13 years when I define the bedridden period as the remainder of the life expectancy and the health life ridden period, Japanese men will be about 10 years and women will be about 13 years. This figure is also the longest in the world.

3 Conclusion

I wonder if it really changes if I just know this. Therefore, it was "Lokomotive Syndrome" that gave a further eye. It is said that it is commonly known as Locomo, and is also said to be an exerciser syndrome. Locomo is a state in which a failure such as muscles, bones, joints, cartilage, intervertebral discs, or a plurality of disorders occurs, and the functions of "standing" and "walking" are deteriorating. In order to know the degree of locomotion, answer the questionnaire in which the question is written, and know the state of the exerciser by doing the movement instructed actually. The first is to circulate a questionnaire form with a circulation check on the circulation board. The second is what to do at the time of a human dock. If it is a future task, this is to temporarily increase the working age population. That means that as the declining birthrate progresses, the population will decrease further. I also want to do research on this.

Suggestion for Sustainable Cities
~Activating the Local Transportations~

5104

1 Introduction

In the local cities, working population is decreasing, losing its vitality, and aging society is becoming more and more serious. In such current Japan, it's not reasonable to continue to develop Japanese land like when Japan was under high-level economic developing because it will cause expansion of city area and its density will decrease.

Land developing without long span plan will force inconvenience to those who don't have driver license including children and the elderlies. This is nothing but elimination for them from communities.

2 The Main Discourses

We should make the range of city clear by restricting development in suburb and centering residents and develop the core of the city more. In that limited area, economic and cultural activities will become smoother and the city will be more active, attractive and reasonable.

By taking this plan, there will be great positive impacts on both environment and human being.

Establishing smooth, useful transportations is necessary. We should promote adopting LRT(Light Rail Transit, which is a kind of train whose capacity is smaller than regular one) to local cities in Japan, like the case of Europe. Plus, about bus, each local government should systematize its services and manage to keep its convenience on the aspects of its number by themselves.

3 Conclusions

It requires extremely long prospect to complete this plan, but the plan seems to be brilliant when we consider the present situation that population is decreasing and extremely aging. We can take the plan as solution for sustainable cities. We don't need to take care of the problem of population decreasing. Rather, we have to change the way of thinking. We should change the concept of city development by accepting population decreasing society.

1 Introduction

These days, Japanese traditional food called “Wasyoku” attract all over the world and in 2014, wasyoku was entered UNESUCO’s Intangible cultural heritage.

But wasyoku was not entered about food but also it was entered as a culture of food. Wasyoku is used many flesh food which is able to be harvest in the season, and it values yearly events. So that is why, wasyoku was entered.

Now, Japan tries to increase Japanese restaurants in other countries to tell about wasyoku but there are some problems. There are big gaps between wasyoku in Japan and wasyoku in other countries. And Japan has two policies about advance of wasyoku. First, Japan wants to get much economic effect so they planning how to advance wasyoku to other countries. Also Japan’s politics wants wasyoku and Japanese original cultures spread around the world. What should we do to send wasyoku to other countries as it is wasyoku made in Japan? And what should we do to be familiar to wasyoku? I researched about “wasyoku problem”. Especially I paid attention to “conference of wasyoku”. This is a kind of conference which is discussed about wasyoku’s future and it is held by specialist of wasyoku or world traditional foods. I considered the problem about who inherit the culture of wasyoku, I found one answer. The successors of wasoku are every people concern in it such as a person who make wasyoku or a person who buy and eat wasoku. So the successors are not only limited Japanese people but also foreigner.

2 Discussion and implications

A remedy that we thought about Japanese issues overseas that differed from Japanese cuisine was to increase the number of cooking classes held by local Japanese professional chefs. Currently, there are few Japanese cooking classes held overseas, and many local chefs who also operate local Japanese restaurants. I think that it is the first step to convey essential Japanese food to convey skills. What can be read from the following questionnaire results on what Japanese adults think about Japanese food?

3 Conclusion

From 1(Introduction), 2(Discussion and implication), in order to correctly communicate Japanese foods overseas to overseas, people involved in Japanese food are more global, and people who know Japanese food need to go overseas and tell Japanese food correctly . When thinking about the way Japanese foods will follow in the future, what you need is to think about how Japanese people should deeply think about Japanese food and bring it to a better direction. In addition, it is also important to think about solving some problems in Japan, as to who is responsible for Japanese food. However, as far as the current state of Japanese food in Japan is concerned, by incorporating a broad perspective from overseas, what kind of position Japanese food is in the world and what it should follow in the future I think that it will also be visible.

1 Introduction

There are a lot of problems that we cannot solve without global cooperation today, for instance, global warming, gap-widening society, starvation and poverty. To solve these problems, we need leaders who lead people showing clear visions and can move forward to solve them. As for business or diplomacy, we also need leaders who have international competitiveness. Because of these backgrounds, there have been national commitments to develop human resources in high schools such as SGH (Super Global High-school) in Japan, but there is still room for improvement.

To be honest, I am not satisfied with this program. The reason why I think so is that connection with professionals and time are restricted by many factors. However, these are difficult to solve because we students do not have enough connections and time generally. I think “Educational Application Software can solve these problems.

2 Discussion and Implications

My definition of “Educational Application Software” is an application software which has e-mail function, videophone function and movie-lecture function”. I am going to write about importance of each function.

As for e-mail, we use it to contact advisers. Being different from conventional ones, it would be a two-way register type. If advisers register their information in advance, students can contact them easily and easier cooperation could be expected.

The videophone function is useful in discussion. It is said that Japanese are not good at discussion. To improve our discussion skills, videophones will be effective in training.

The movie lecture function has a lot of good points. For instance, students can take lectures of professionals whenever and wherever they are. Through using this system, students can learn about many things regardless of departments by their selves.

This is what I call “Educational Application Software”.

3 Conclusion

“Educational Application Software” is not only useful but also dangerous because people could use it on other purposes so we should consider the best way to use it. If we use it in the proper way, it enables us to do a lot of things. I hope it will be in use in the near future.

Economic Fluctuation around the Olympic

~To minimize the economic downturn after the Olympic~

5107

1 Introduction

International Olympic Committee announced that the Olympic venue is Tokyo. I decided I am going to research Olympics about success and failure in the Olympic. And find out about the economic side of the country with success and failure in the Olympic. So I am going to research the way to after the Olympic about economic downturn.

First I research economic fluctuations to reveal and different of economic condition. Then I consider problem of the economic downturn.

I used internet to research it.

2 Discussion and implications

We could not see in particular business fluctuations in the Olympic. But after the Olympic we may be able to see business fluctuations. We should examination effective method in business fluctuations.

3 Conclusion

Common of countries which had succeed : To make good equipment after the Olympic.
Common of countries which had failure : To make bad equipment after the Olympic.
Through these we should control investment or make good equipment after the Olympic.

The Way of the Energy Generation to See from the World in Japan
Suggest energy generation

5108

Abstract

After Fukushima nuclear power plant accident, energy policy is changing in Japan. For example, Germany discusses future nuclear power plant, and Germany decided to stop all nuclear power plant movement occur and German government decided to stop all the nuclear plant. So, Japan will do what thing by agency for natural resources and agency.

Before the great east Japan earthquake in 2011, the share of the source of energy is as follows: 60% by thermal power, 30% by nuclear plant, and the share of renewable energy is only 1.1%. But after the earthquake in 2012, 90 percentage of thermal power generation and 2 percentage of renew. Changing the point of view the world, the center of energy is 40% of coal, and next 20% of natural gas.

I think and suggest idea of 2030 situation of energy structure by date.

Conclude

In my suggestion, hydraulic power generation keep about 10% by constraint land and aspect of environment. Heat is cheap, but should do the functional decline next when I think about influence on environment and a thing called a certain limit energy. In addition, I vary from coal to natural gas in that and cost, but think that you should aim at around 40% in future to get rid of dependence in 2030. Then, it is nuclear power generation with many yes and no's, but further technology improves again, and old one suggests around 10% to decommissioning. There is the problem in the security, too, but it is a country exporting nuclear power generation too positively and should not do it for the total abolition immediately. But I think that you should decommission it if quantity of generation of the reproduction energy increases. In other words you should make filler.

Results and consideration of research

It is renewable energy, but the spread is developing still more, but wants to suggest 20%. I think that France thinks that I aim at 40% in 2050 with possibility. In addition, it was said to increase ratios in small Japan of the country that it supported various situations that diversification of the energy, equinoxes aimed at becoming it and thought that it was a method. It is electricity import, but I do not consider the political aspect here, but should keep a merit alive because it is this possibility and the stability is technically high. In addition, I can leave influence on global warming even if natural gas is made in heat in Russia because there is little influence on environment

1, Introduction

I want to make the reason why Japanese companies cannot become and develop like Apple, clearly. I found some studies of entrance examination. However I could not find the study which is shows the effect of entrance examination on corporate growth. And then, in this study, I decided to study "Looking at corporate growth from entrance examinations".

2, Discussion and implications

The hypothesis of my research is that "entrance examinations influence on the growth of the company". Comparing their earnings, there is a big difference between Apple and Hitachi. I think two reasons for this difference. First reason is the environment in which the company is located (external environment). Second reason is the environment inside of company (internal environment). I thought external environment is not suitable to the research subject, because we cannot change the environments, location and atmosphere and so on. By the contrast, those capable of innovation and improvement are the quality of human resources in the internal environment. We can change the quality of human resources.

A, entrance examination in Hitachi

a, [oral examination]

They asked some question about examinees' enthusiasm to examinee. I want to show concrete example, but in this abstract I omit them because of character restriction.

b, [written examination]

In this examination, they made a test about general education.

They hold examination general in Japan to seek examinee' enthusiasms. I named the examination like Hitachi "enthusiasm test"

B, entrance examination in Apple

a, [submitting personal history]

b, [oral examination]

In Apple, they asked question about not only enthusiasm but also their creativity. They asked question which does not have any answer. I named the examination like Apple "creativity test".

3, Conclusion

In examination like Hitachi, we can see examinees' enthusiasm. While, in examination like Apple, we can see examinees' creativity to solve task or question which has any answer. "Enthusiasm test" is effectiveness in sales department which demand zeal to laborer. However, "enthusiasm test" is similar to oral examination in high school entrance examination, so if examinees prepare for the test harder, they can remark high score. "Creativity test" can prevent that, because examinees cannot expect the contents of oral examination. "Creativity test" demands the ability of resolving tasks. In their market, creativity is more demanded than enthusiasm. So, I think Japanese companies should introduce "creativity test".

Relationship between Japanese Rice and the World
~A Solution to surplus Rice in Japan ~

5110

1. Introduction

About Trans-Pacific Partnership negotiation, I heard that America offered Japan to buy more American rice. So I think that rice is sufficient in Japan. Because food self-sufficiency rate of rice in Japan is 98% or 99%, and surplus rice happened in Japan, so I wondered why Japan has to buy more American rice and I have set this research theme. Purpose of this study is that to draw a conclusion why America organization offered Japan to buy more American rice and to suggest to new idea that Solution to surplus rice in Japan. If surplus rice is happen, price of Japanese rice would be expensive. It cause decrease number of Japanese rice famer. I think that it is a big problem.

2. Discussion and implications

Old Japanese rice was protected by Japanese government. Japanese government bought Japanese rice high price and sold to consumer low price, so Japanese rice has become more expensive than other country's rice. However, other countries criticize of Japan's attitude and called for importing rice into Japan. And then, Japan emergency imported rice from overseas due to the shortage of rice that occurred due to the cool summer in 1993, and since then it began to import rice. The import decision of rice was decided in negotiations held in Uruguay in GATT. There, Japan does not import "agricultural products with low tariff" The minimum amount must be set.

3. Conclusion

Since rice is exported very much in Japan, it is thought that the maritime country is seeking imports because it produces more cheap rice by making cheaper rice than Japanese rice. Also, since imported rice is often used as a raw material for processed goods, domestically produced rice, which is higher than imported rice, is not suitable for raw materials, so it is considered that imported rice is regarded as important in the country.

Regarding measures to eliminate rice in the domestic market, it is difficult to raise the consumption of rice alone as Western foods are progressing. As a result of the survey, there is a group named "GOHAN WO TABEYOU KOKUMINN UNNDOU Promotion Council" cooperates with the member prefectures and general corporations to develop new products using the region's brand rice

I Abstract

I live in Gunma and play in soccer now. Soccer is one of the most famous sports in Gunma. For example MAEBASI IKUEI high school is the strongest soccer team in Gunma.

But ザスパクサツ群馬 is not known by the people. THESPAKUSATUGUNNMA is only professional soccer club in Gunma. ZASUPA join to J2.people are not very interested in.Actually this year's home opener game has entered about 9000 people, it sometimes does not reach 3000 at the usual time. The home stadium of THESPAKUSATUGUNNMA Gunma, THESPA Soy Oil Stadium, which has over 15,000 people, meets the license of J1, but the number of visitors rarely exceeds 10,000 people.

II Discussion and implications

It raises the interest from the prefectural people to the professional football club in Gunma called ZASUPAKUSATSU Gunma and thinks about how we can contribute to the revitalization of the regional economy and aims.

III How to research

1 compare to other club

2 Environment and problems of surrounding commercial facilities

3 Access problems

IV Result

First of all I found out that public transportation access to the Shoda Soy Sauce Stadium, home stadium, was bad. We can only go by bus from Maebashi station, Shinmaebashi station which is nearest stations. Moreover, supporter's people can only come by private car. And actually I felt that because there are many cars, it was thought that it takes time to go back to the conclusion that traffic jams occurred after the game. To solve these problems, increase the number of buses from the nearest station and lower the price. This was a problem from the front, but I believe this will be solved. Next, I think it would be nice to create a large shopping center nearby as a commercial facility in the vicinity. In Gamba Osaka, at the time of building a new stadium, we also made a shopping center together so that both parties are making great gains. Even though Zaspas imitates this and does not go to the shopping center, I think how about trying to make a supermarket etc. I think that this is tough for budget, so I think that clubs and surrounding supermarkets and shopping districts should cooperate and make the whole city excite. Now, at the Shouda Soy Sauce Stadium there are many stalls opening at Zaspas's match, but it seems that there were not many customers. So we propose that clubs will chat after the fight and have a place to interact with each other. so, I think I can increase the opportunity to spend money. Moreover, I think that it will become a revitalization of the regional economy by entering a neighborhood eating and drinking establishment in such stall village. And with these things, I think that it will be possible for the conference to be relaxed at the same time due to variations in the time zone for the audience to return. These things are already actually done by club teams such as Cerezo Osaka, Jubilo Iwata, Urawa Reds etc. I propose the above.

Accident and Demand of Smartphone
~Compare Japan with Foreign Country~

5112

1. Introduction

Recently, to use smartphone with walking on highway make many accident. It is at high risk of exposure to many accident. Finally, I introduce a new solution from foreign country.

2. Discussion and implication

First, The amount of information is different between smartphone and feature phone. The operation of the smartphone is basically scrolling. Scrolling is video, but feature phone moves with still images. Of course the moving picture requires more information amount than the still picture. That's why the brain can't handle information at all. So it makes it easier for people who use smartphones then it is not only a fall accident, it becomes a target of obscene acts and snatching. Sometimes a death accident is happening there are cases. However, 86.6% of walking smartphone users are walking experiences of smartphones. Among them, e-mail is the most frequent. Recently, SNS such as LINE, twitter, Facebook is popular. Especially LINE has the function "read". It is a function to know whether the other party has already read the text of the mail or not. Since it will hurt the relationship if it comes to saying that there is no reply while it has been read, even if you are in a hurry you must reply. Whether smoking on walking is regulated by law as well as TV viewing in car navigation and smoking while walking "walking tobacco" was forbidden, is not it? The commercialization of car navigation systems has become full-scale in the 1990s. And, immediately after the car death accident sharply increased. And from that year when the number grew rapidly, watching TV on a car navigation system was prohibited by law. In Tokyo, the Tokyo Metropolitan Government revised a part of the Road Traffic Regulations in 2009, regulating the mobile use during bicycle driving. In case of violation it is supposed to impose a fine of 50,000 yen or less. The state of Nevada and New Jersey in the United States, a fine of 8500 to 10000 yen is imposed on a walking smartphone. In addition, a special smash road was established walking to Utah Valley university in the United States and Chongqing city in China. Regarding this, criticism has been raised as to how to set up such a road before making roads for people with disabilities. In a country where public safety is bad, it seems that we are able to do it because walking smash will surely meet the damage of snatchers as much as possible.

3. Conclusion

The solution I think is a stricter regulation by law. However, even if it was picked up by law from this result, it turned out that 11% walked and some people did not quit smartphone. And many people do not use the application because of their troubles.

An Airline Circumstances of Japan and World
~Safety of Japanese airplane~

5113

Malaysian aerial 370rail “Boeing777-200ER” has been missing in 2014.,May8th. And Indonesia aerial 850rail “Airbus A320-216” has been missing in December28th of the same year. Both of the accidents all people were killed in the jet crash. In addition many accidents happened all over the world. However Japan’s new accident is Asiana aerial 162rail “Airbus A320” in 2015, April14th. Before this accident is in2011. And there were without the death toll. So I knew Japan few accidents compared with all over the world.

Most of many good with cause was “crash”. I thought three reform measures. It was “the natural safety of material”, “air traffic control system”, and “the education training and operating procedure”.But I thought “the natural safety of material” and “air traffic control system” cannot change right away. So I thought it should adopt “the education training and operating procedure”

,Malaysian aerial 370rail “Boeing777-200ER” has been missing in 2014.,May8th. And Indonesia aerial 850rail “Airbus A320-216” has been missing in December28th of the same year. Both of the accidents all people were killed in the jet crash. In addition many accidents happened all over the world. However Japan’s new accident is Asiana aerial 162rail “Airbus A320” in 2015, April14th. Before this accident is in2011. And there were without the death toll.. So I thought I compare Japanese airplane with world airplane.

I compared Japanese airline such as JAPAN AIRLINES”JAL” and All Nippon Airways ”ANA” and airline of all over the world.

○How to study

I used the Internet and book of library. I searched “Japanese airplane and accidents of airplanes ” and “airplane and accidents of airplanes all over the world”. I mainly used the Ministry of Land, Infrastructure, Transport and Tourism «MLIT». And I research an airline circumstances of Japan.

I searched accidents of airplanes for solutions. As a result of the it ” crash” is the much of accidents of airplanes for solutions. And I knew that there were no years of accidents of airplanes. The fact that the accident rate does not decrease within the increasing air demand in the future means that the number of accident and death also increases at a certain rate. We do to improvement safety of aviation.

- I . Educations training and operating procedure
- II . Natural safety of materials
- III . Air traffic control systems

I think that we should do three reform measures. But ” the natural safety of material” and “air traffic control system” does not change right now because ” the natural safety of material” and “air traffic control system” are among airline’s problems. So I think that ” the education training and operating procedure” is most important measure.

We should tackle ” the education training and operating procedure”.

Growth of Japanese Pharmacists
~ Comparison with America ~

5114

Before this grade I study about what kind of existence should a pharmacist be or what kind of thing is needed for patient, I decided to continue studying about pharmacist. This time I want to find the different from which compare with America and Japan, and I want to pick up contents which are able to utilize. Also, I will search how to change Japanese pharmacists from the data which get at Takasaki University of Health and Welfare.

I will compare with America that I think it is developed the medical technology and so on. There are two differences like “the consciousness of QOL (Quality of Life)” “health care system” I examine by using the Internet and the data which get at Takasaki University of Health and Welfare. By using them, I put the changes in order. Finally, I will make a proposal to be better.

First, I tell you the differences.

“The consciousness of QOL (Quality of Life)” is a concept to evaluate whether you are living happily with human beings; it is a word that is often used in medical care. It is an indicator for obtaining mental self-realization such as the quality of life, the quality of personality, etc., enriching individual daily life; it expresses the idea necessary for discovering happiness and worth living by himself and living as a human being.

The consciousness and contents of job pharmacists in Japan have are that do dispensing and medication instruction at dispensing pharmacy and give the patient of medicine advices. But pharmacists in America have higher consciousness of QOL and think that to raise the quality of life by using drug therapy.

Health care system is involved to grow the technology of pharmacist in America. Japan has national insurance system and it is reducing a big medical expenses. But there is no health care system like national insurance system in America. There is only health care system that some companies show a nation. Nation choose one of that and become member of that. If you don't become member of health care system, you have to pay all medical expenses. In addition, if you become member, it would need higher burden amount than that in Japan. So, pharmacist in America was sought high technology by nation.

For the future of Japanese pharmacists, the American and Japanese pharmacists felt that emphasis was placed on consciousness in different places. In America advanced technology is born from QOL and medical system and cherishes it, and in Japan patients are allowed to take it with confidence in even a little. I think there are advantages and disadvantages of each. In order for future Japanese pharmacists to become a better group, it is necessary to take advantage of the strengths of America, the advantages of Japan now, and the advantages of America. And it is necessary to look toward American ambition and technology.

1. Introduction

The eating disorder often develops in the woman whose ages are 10 to 20. It is said that the anorectic number of patients increased by 10 times. The number of patients continues increasing, but there are few effective therapeutic drug and cure, and there are still few doctors treating with specialized knowledge. In the cause that an eating disorder develops in, there are stresses of personal relationships and the work, many causes including the change of the home environment, but it is the excessive diet that is the most common reasons of the eating disorder. In the latest years TV and the magazine are greatly related, too.

After death of hole Carolina Reston, The world became interested in "issue of skinny model" increased in the foreign country. Some countries attempt resolving the issues of skinny models. But, the measures for the skinny model are not adopted in Japan.

2. Discussion and implications

I led three suggestion for the purpose in this study. The first is to make the magazine which the model of the standard figure is placed in, I pick up a method to get thinner by exercise healthfully, and the dieting method to perform sanctions to a magazine thinks that it is effective to pick up an article to tell about the risk of the excessive diet. The second is to make the rule of the world common model. It is different compared with the current one. The third is to teach that I deepen the understanding to an eating disorder on compulsory education. A problem of the AIDS worsened before a little, but it came to be taken a lot up at school, and the understanding of the youth deepened. After the fashion of the example, I thought that a brake might be hung for the eating disorder in teaching that I deepened understanding about an eating disorder as one of the programs of the compulsory education.

3, Conclusion

Appearance is not particular about the modern people, and it is important to recognize that healthy life. If we want to lose our weights, we should value on exercises, reduce snacks, not meals, and gain correct knowledge to protect our own selves.

1 Introduction

Japanese has many people not to like a pickle and miso. I check the evidence and good fermented food and have you be interested. I start a solution what kind of method consumptions of the fermented food mainly on the domestic soybean increase by.

2 Discussion and implication

I am often heard, "Young people dislike Natto." Recently. However, the story is a wrong opinion when I read data. According to "the annual purchase situation per one household according to the metropolis and districts agency location city investigating," Ministry of Agriculture, Forestry and Fisheries increases 5,916 yen and 1,794 yen in 2004 when I read concrete data. I think that there may be the following cause so that a result unlike what we usually feel in this way comes out.

At first it is "our fixed idea". However, what you should regard here is "Food self - sufficiency ratio of the soybeans in Japan." Food self - sufficiency ratio of the soybeans in Japan of 2013 is only 6%. This is numerical value lowest in that. Soybeans are the ingredients which Japanese foods are indispensable to, but the food self - sufficiency ratio is the lowest.

Next, "The diversification of the arrangement recipe." The natto always had the image called "A thing to eat with rice." However, present Japan has various arrangement recipes including a natto toast and the natto pasta. Now a lot of recipes are introduced by the TV program. Furthermore, I think that it is an increasing cause to use two or three packs in once when I make an arrangement menu. It may said that the modern people use it by how to eat different from the old days in this way. In addition, there are supplements such as "SOYJOY" which consumption increases. Because consumptions increase, the consumption of the soybean will increase, too but I did not know the place of origin of the soybean used for SOYJOY. The company should insist on there if I use domestic production. So, the soybean used for SOYJOY is not domestic production.

I suggest next things. It is that fermented food company held "A fermented food contest". It is that people bring to new original recipe and they pitted their recipe each other. In the end, Japanese consumption will grown-up and many people interested in about fermented food and that arrangement recipe.

Suggestion to Increase the Number of Visitors Who Come to the Movie Theatre

～A revival of seeing a movie～

5117

In 2015, there were 3,437 cinema screens in Japan since Japan's first "Cinema Complex" in 1993. Cinema Complex occupies 85% of nationwide cinema now. It is said that Cinema Complex has leveled off. Whether the film industry's favorable circumstances continue a few years is unclear. I construct a hypothesis that decreasing people go cinema with rental DVDs and service delivering movie over the Internet. I look into cinema's rate of return, the rate of operation, system of profit, the present events held by the cinema, the rate of the frequency of people watching movie in the cinema, circumstances of foreign movie cinema and the number of people who using a service delivering movie over the Internet by the Internet. I think suggestion to increase the number of visitors who come to the movie theatre.

According to Neo marketing, the rate of the frequency of people watching movie in the cinema is 30.1% of a yearly appreciation. Nearly half of people don't go to the cinema once in a year. Most of reasons that they don't go to the cinema is "ticket's price is expensive." (74.0%), "It's too much trouble to go to the cinema." (54.0%), "It's able to relax at home." (36.0%) The number of people who using a service delivering movie over the Internet "Hulu" is 130 million in 2016. And the number of American enrolled in Amazon Prime which can watch video works increased by 35% last year. Besides TSUTAYA's number of rental DVDs in 2011 is 742 million. It is the biggest record of the number of rental DVDs. These data disprove my hypothesis. Today, it is said that people aren't interest in the movie. However I think that people have an interest in movies and demand for movie is increasing.

Surely, if movie ticket's price were cut, the number of people who go to the movie would increase. Japanese movie ticket's is priced at about 1,500 yen if you got a discount service, but actually an average of movie ticket's price the world is about 500 yen. It's no exaggeration to say that Japan's movie ticket's price is most expensive in the world. However, the rent for the cinema complex is very expensive. Therefore, cinema complex should offer the discount service and advertise it by flyer, website, SNS and so on.

Teenagers' suicide
~Situations and Solutions~

5118

In Japan, the most common reason why teenagers die is suicide, and it is treated as a serious problem. Then, I was wondering, how about in the world? Next I decided to search the world's situations, measures, and make original measures I could do to reduce the number of suicide. First of all, I focused on Switzerland, whose rate of suicide was high, the US, whose rate was low, and China, which is a rapid developing country. Then I knew about measures in other countries. In this study, I defined "teenagers" as the young whose age is closer to me, 17 years old. Moreover, I focused on suicide caused by mental problem.

Through this study, I made three measures. First one is encouraging people to go to hospitals. As I mentioned about hospital, I made second one related medicines. Antidepressant has a lot of species, and these days, the most common one is SSRI. SSRI is Selective Serotonin Reuptake Inhibitors. However, according to the survey in the England, even if antidepressant made people release from depressed, it can cause some side-effects. In Japan, it is forbidden to give antidepressant to people with non-serious condition. So, it is not a positive solution in my study. The third one is that a simple one which we can do without doctors or medicine, and the government. That is positive communications with people you like. We can say that first and second one are hard to realize by myself because we have to ask the government or some organizations to do and bias and tendency may prevent us from realizing, but the third one is easy to start to do by ourselves.

As I mentioned above, my conclusion is making solutions about those three points. Other problem to solve is about the concrete content of the US's counseling. I think these solutions are effective for suicide caused by mental problems.

1 Introduction

Blood donation is the act to which blood is offered voluntarily and without charge for sick or injured people who need blood transfusion. The Japanese Red Cross Society is the only institution where can receive blood donation which gets a permission from the Ministry of Health, Labor and Welfare which is a national system in Japan. I'd like to consider the way to make the number of blood donors increased which suited for present Japan by comparing the reality of the blood donation of the world.

2 Discussion and implications

First I decided to research about history of blood donation.

Before, people sell their own blood instead of blood donation. However, many of the people who do blood selling were poor, so they tried to get as much money as they could, and they took their blood beyond latitude of its form has been adopted, and nourishment in the blood is insufficient and innutritious. Therefore, in the current Japan, we take the system that only Japanese Red Cross Society can have the privilege of donating blood.

Next, I compared Japanese blood donation system with blood donation system of the world. Japan had not happened a problem caused by blood donation compared with around the world, but I thought the number of blood donors might decrease because things which you can get when you donate blood isn't directly to the financial problem. However, while researching, I found that the repeater rate of the Japanese blood donor is really high. Therefore, I decided to think about how the number of blood donors who come for the first time can be increased.

3 Conclusion

I propose the following three to increase the person who are young people and come to blood donation for the first time in Japan.

First is to collaborate idols that are popular among young people with blood donation. Using this idea and making an event specialized in young people in particular which can get popular idol's original poster if the person donates blood.

Second is to use social media cites. Young people tend to use social media more often than older generations. I came up with an idea to invite popular models or actresses who have large number of followers on social media to experience blood donation and ask them to post on that on social media.

Third is to spread knowledge about blood donation at school more effectively. There are many friends who know that there is blood donation, but don't know much about the contents in detail. I think it's also important to visit school and increase the chance when people can donate blood at school by a blood donation car.

Japanese Blind Child Poverty
~How to solve the problem related to education~

5120

1. Introduction

In 2014, the rate of Japanese children poverty is 16.1% and this is higher than that of in OECD standard. Besides, it's problem that there is educational gap between normal children and poor children. Based on these data, the purpose of my study is to consider how to solve Japanese poverty and about their education. I researched it by using the internet and books.

2. Discussion and implications

According to Ministry of Health, Labor and Welfare, the rate of poverty in 2014 was 16.1%, and that of under 18's children who live in these household is 16.3%. To make matters worse, both of them were worst result. Especially the rate of single family was higher than any other family. Looking the result of OECD countries, it can be said that countries (ex. Sweden, Denmark) whose rate of poverty is low adopt the policy of high welfare and high burden, conversely countries (ex. U.S., Mexico) whose rate of poverty is high adopt the policy of low welfare and low burden. Further, England has an achievement that they decreased their rate of poverty because of their new policy. Accordingly, we can say that poverty depends on the policy of government.

Then focusing on Japanese policy, percentage of education expenditure in government expenditure is much lower than any other OECD countries. Besides, the system of Scholarship and situation of Educational expenses while kindergarten to high school were also worse than those of OECD countries.

3. Conclusion

Therefore, it can be said that the government must spend money on educational system, but it's difficult for me to change the policy so I focused on community around us. I suggest that the organization like NPO should hold free clam school which poor children can go and study there by volunteer staff that retired their teaching or will be a teacher. By doing so, they can find not only how children progress their learning but also children's habit or situation which they're put.

If adult around poor children find children's abnormality, they can help them much earlier than now.

Should Japan Accept Same-sex Marriage?

~Think Japanese future from current condition of the world ~

5121

Introduction

Now, homosexual hasn't been accepted in the society and they have some trouble in terms of life. For example, when they buy house, they can't take out a loan. Also, they can't get monetary support when they immigrate overseas. Besides, their suicide rate is higher than others. These problems happened because same-sex marriage isn't accepted. I think Japan should accept same-sex marriage and should consider homosexuals to be common couples to solve these problems.

Discussion and implications

I thought that advantage and disadvantages of accepting same-sex marriage and how to accept same-sex marriage. Advantage is it can solve many problems that homosexuals have. However, it also has disadvantages. Worldwide disadvantages are progressing declining birth rate and bad influence to adopted children.

Next, I researched about whether progress declining birth rate in the Netherlands, Belgium and Spain that accepted same-sex marriage more than 10 years ago. In the Netherlands which accepted same-sex marriage in 2000, the special fertility rate increased from 1.65 to 1.72 for 14 years from 1999 to 2013. In Belgium, it increased from 1.62 to 1.79 and in Spain, it increased from 1.19 to 1.32. Most of countries which accepted same-sex marriage also accept adopted child. The influence on child between homosexuals is worried, but according to "The American Society of Pediatric Medicine" announced that "even if their parents are same sex, but the child is given normal love and a stable healthy family." in 2002. Accordingly, it is very likely the aggravation of the declining birthrate is avoided by facilitating delivery and child care while working and it is thought that there is not the influence on growth of the child if conjugal relations are peaceful even if they are same sex. Next, I got eyes on French's "PACS". Characteristic of "PACS" is both of homosexual couples and heterosexual couples can contract. Because of Japanese Constitution stipulates said to "marriage is established only based on the agreement of both sexes", there is also a claim that same-sex marriage is prohibited under the Constitution and constitutional amendment. And it is said that this article makes same sex marriage difficult.

Conclusion

I thought that Japan can solve the problems homosexuals by making a marriage system like "PACS". It is necessary to change laws and institutions according to changes in society. The present circumstance, And our understanding for homosexuals are shallow. Our understanding of homosexual will make their lives better, and I think that the equality and the variety of sex should be respected.

About Environment problem that Think from Fashion
~We Save the World from Fashion~

5122

In Japan, “fast fashion” is penetrating people now. It is a fashion brand that mass produces and sells clothes for a short period for all over the world. “UNIQLO” and “Mujirushi Ryohin” are the typical brand. However, it is thought as a problem that making influences of environment in the country where has that factory and some people criticize that “fast fashion” is bad symbol of mass consumer society.

Then, I research how Japanese and foreign country produce clothes with consideration for environment and I think and suggest what can we do for leaving the merit of fast fashion and easing environmental problem. Mainly, I will study with “International environment group NGO green peace” which made “Detox Campaign” that office all over the world make losing water pollution by chemical substance.

One of the problems faced by fast fashion is the burden on the environment. Fast fashion has low-priced clothes, so consumers can buy and throw clothes easily, and companies make new goods for a short period to make consumers buying many new goods. As a result of that, old clothes are threw and threw. There is a date that fiver is consumed an average of 20 kilograms in Europe and an average of 35 kilograms in USA. Old clothes are threw and threw, on the other hand, cottons are used to make new clothes, but I saw a date that was showed me the consumption is increasing year by year. Half of such fiver is used for clothes. Clothes are made by cotton and polymer. People pointed out the lack of cotton, in add oil that is raw materials of polymer are not resource which we can use forever.

As a result of research, I found that fast fashion is exerting bad influence for environment, but what can we do for leaving the merit of fast fashion and easing environmental problem?

Finally, I made a plan that we put “Don’t throw this away tag” on products. We draw the merit created by recycling with illustrations then consumers can see the tag when they see the price tag. In addition, we put it on behind the clothes then consumers can see it when they wash the cloth and wear it, so we can continue to call after they buy it. I want to put this tag on the clothes which made by Fast Retailing company. Uniqlo or GU was made by this company. It only made a declaration that won’t become using and discharging all of hazardous chemical substances until 2020, so we can show the basis that the cloth was made with many people’s consideration for environment.

I found that familiar brands are making clothes with consideration for environment. ON the other hand, there are countries that are intensely polluted in abroad, so It is important that everyone know that and think what can we do for environment. I will study the design to use this effectively and will using this tag connect with easing environment problems.

1 Introduction

Japan has abundant tourist resources with beautiful scenery, majestic nature, and variety of culture. However, it has many problems. Also, it was decided that the Olympics and Paralympics will be held in Tokyo in 2020. So, I think that we should solve various problems. I decided to research the current condition of the preparation to receive of the foreign tourist in Japan and a Singaporean transportation network. And I suggest the things that we should by 2020.

2 Discussion and implications

At first, I researched about the current condition of the preparation to receive of the foreign tourist in Japan. I found Japan has two problems.

First, a traffic jam is easy to happen. Japan's transportation network is famous because the time is correct. However it has a problem that a traffic jam is easy to happen.

Second, the rule of Minpaku is not decide in detail. Minpaku is to attract attention as a thing canceling hotel lack. However, it makes many problems.

I decided that I research focus on effective transportation network. After checking it, I understood that a Singaporean transportation network is superior. For example, make a compound terminal and change a rate of the public transport by time.

3 Conclusion

In my conclusion are two things.

First, make compound terminal. There is such a thing in Japan, but there is not many it to there. If we make it, we can move easily.

Second, change a rate of the public transport by time. The Tokyo Olympics will be held, so it is anticipated that the foreign tourists increase. So I think that we need conclude a traffic jam to change a rate of the public transport by time.

I think that we to do two things and we should conclude Japan's problem.

Health Damage Caused by Lack of Exercise of High School Students ~Eliminate the polarization in comparison with other countries~

5124

1 Introduction

After looking at the Internet, the lack of exercise for high school students has been cited as problem, and the Ministry of Health Labor and Welfare found that target figure for physical activity are calling for resolving the lack of exercise but it has not been improved. Of course some students belonging to club activities and sports clubs and doing physical exercise a lot but someone who cares about me said that they do not exercise mostly in a week in a questionnaire. I would like to think about improvement measures taking into account the health hazards of those people and the impact on society.

So I would like to compare with other countries and present solutions that refer to the policies of other countries by citing his countries in which the lack of exercise is a problem and the other countries. Also I focused on high school students, I would like to investigate the health damage to the future and use it for my life.

2 Discussion and implications

First, I wanted to know the actual situation of high school students and saw the questionnaire on the exercise that the ministry of Education Culture, Sports, Science and Technology conducted for high school students nation wide. It was 43% and I did not too much. The next most popularity was 16% and it was 4days or more.

Next I compared it with other countries. In the United States 80% of teenagers studied exercising every day because club activities are fulfilling. In Sweden the environment was enriched enough that one exercise facility was allocated to 50 students and the lack of exercise of students was resolved. France has positioned exercise as the basis of education and culture and it turned out that about 30% of school lessons are physical education related classes. Finally China has found that motor function such as spirometer and instantaneous power of students is declining for 20 consecutive years. In china it turned out that it may be caused by the fact that “exercise is beneficial in health” is not educated.

3 Conclusion

Through this research we make two proposals to solve the lack of exercise for high school students. Firstly as I was concerned about the use time of smartphone which high school student was mentioned of lack of exercise it is development of fitness application using smart phone. Secondly like French we position exercise as the basic of culture and education and propose to improve physical education classes at educational institution and education for health for students.

However, the problem is that no solution has been found for those who are not good at exercising. First of all, I think that it is important for many high school students to know what kind of influence the lack of exercise will have in the future.

Traditional Family View and Cinderella Complex

~Relations with fairy tale and old story~

5125

1 Introduction

Traditional family views and Cinderella complex are including in old stories or princess stories. Recent years, traditional family view is seen as a problem in Japan. I think old stories or princess stories are useful for teaching morals and rules to children but these also teach us traditional family view to children. These make worth the declining birth rate and it inhibits women's advancement in society. Traditional family view and Cinderella complex can't be said to be bad but I define it is not good for us in my study.

2 Discussion and implications

First, traditional family view is a traditional concept about family. In Japan, patriarchy and gender role division of labor are famous of it. Many Japanese old stories, such as "Momotaro" "Tsuru-no-ongaeshi", has scenes which men do to work and women stay in house to do only housework. Second, Cinderella complex is a word made by Ms. Collette Dowling who was an American female writer. That word is based on a fairy tale "Cinderella" which is a princess story produced by Disney movies. Cinderella complex is a kind of dependent desire in our mind. Many princess in Disney movie don't do anything themselves and they are just waiting until the prince come to pick them up. Cinderella complex is often found in Western fairy tales, for example, "Cinderella", "Snow White", "Sleeping Princess". Like these, I thought that traditional family view and Cinderella complex are widely seen in old stories and fairy tales, so they are penetrating children who often read fairy tales and old stories.

3 Conclusion

Traditional family views and Cinderella complex are inculcated in us by fairy tales and old stories from an early age. I thought that spreading fairy tales and old stories that women are active in is more effective because I thought that problems caused by fairy tales and old stories should be solved by them. In Europe and elsewhere, there are many stories that women are active in. I thought we need to emphasize these stories more in Japan. With this, I think that it is naturally acceptable for women's advancement in society from an early age.

1 Introduction

There are about 58million children who can't go to school even now. The less of education would be the cause of can't get the skill of the work and that would be the cause of war. In fact the negative chain reaction has been occurred in the world. I was shocked to know this fact and have been interested in the activity of united nation.

2 Discussion and implications

About World Terakoya Movement

Poorness, the trouble, the war, the way of thinking like “education isn't necessary for child”, no schools in the circumference, should work to help family finance, are the reason why so many people can't receive an education in developing nation. Therefore it's necessary to make the saucer of education and that is the reason why World Terakoya Movement established. In terakoya, people can learn not only reading or writing but also the skill to work, like how to grow vegetables, beekeeping, making folk crafts, producing practical goods, and acquiring traditional music. It's difficult for people who can't receive an education to get a stable job. Also there is a situation people should work with low wages even if the working conditions are harsh. Moreover, if the worker can't read and write or calculate, people can't know the right as a worker, it may be fooled by wages and working conditions and exploited. In *Terakoya*, people in the community help each other to solve.

There are many areas where support is provided in many countries and regions, but due to prolonged civil war and conflict, there are many areas where support cannot be provided. Also, it is difficult for residents of isolated areas to support them.

3 Conclusion

I suggest the assistance using the tablet terminal as a solution. Using technology to durability, ease of use, to sell lower prices, and provide it will be the better support. First, United Nations or, advanced country will pay the funds of tablet. After the people who were supported can work and able to earn money, they will pay for United Nations or advanced country. This system will be a goal of working. Also it can make people to working in the high motivation. It will cost a lot of money so, the tablet will provide one for one family, or one for the community. If people use this tablet, residents of the isolated area will also be able to use by improving infrastructure such as the Internet. You can attach functions such as easy access to what you want to learn, functions that allow you to easily check unknown words, basic read / write, calculations, and so on. Also, when you do not know how to use, you can relieve when you are in trouble with the voice guide of the local language and the function that can easily ask the UN staff. We will make these solutions even better, and we will continue our research.

1. Introduction

For the ways of this research, I can cite these things. The first is the internet, which had been used for researching the meaning of the words in this research. For the second, I consider the current status based on the contents of interview.

2. Discussion and implications

First, best practice is one of the problem-solving approach of finding practical examples that are doing the best way inside and outside the organization, and learning from. (from "Bench Marking & Best Practice" by IT innovation)

Next, I summarize the results of the interview.

There used to be called that "Japan as No.1" in Japan (1980s). Japan's economic growth in that era was remarkable, and it is said that many American companies grew using best practices of Japanese companies. And also, Samsung and Haier, Korea's leading consumer electronics companies are said to have grown by Japan's best practices as well. Also, since the mainstream of Japanese companies in the past is "performance-based", judgment is based solely on the outcomes, so frequent occurrence that the boss does not tell his / her subordinates, does not work etc. As a result, the company achieves stagnated growth.

However, it is analyzed that Panasonic, now the leading company, changed its policy from performance-based to power-oriented and judging people in a comprehensive manner led to growth. Thus, the form of the corporation also has national character. In addition, there are problems of Japanese global business, success stories of other countries (Haier etc.), and success stories of companies such as Kikkoman

3. Conclusion

For these reasons, I propose "corporate collaboration". I believe that it is easier to incorporate various best practices by improving collaboration among companies of different industries rather than merely cooperation between the same industries and to improve the flexibility of the way of thinking.

Increasing Green Tea Consumption
~ From Japan to the World ~

5128

1 Introduction

Japanese especially young people don't pay attention to green tea. So I examined why Japanese people don't like tea so that Japanese begin to drink tea. Reference it and think the way how to improve the exporting from Japan to foreign country.

2 Discussion and implications

Tea usually divided into three types, black tea, green tea, oolong tea. It is fermented in order of green tea → Chinese tea → tea. Green tea is not to ferment. The most popular in the world is tea and it is produced 70% of production worldwide. Meanwhile, there is a way to use green tea other than drinking. Green tea contains much catechin with high bactericidal power. Also, in order to increase the number of people who drink green tea, the human diet is established through life balance in early childhood, how the development of the brain changes according to how regular and balanced eating is to 3 years of age, in life In addition to the fact that it will decide the lifestyle meal balance, I suggest to increase the number of times tea is served instead of juice at kindergartens and nursery schools. I think that it is good to devise measures to dilute green tea with white water from an age - child who finished baby food in order to drink green tea by child. And I think if it is okay for elementary schools and junior high schools to bring a bottle of green tea for cold or influenza prevention, etc. together with the merit of green tea gargle, the movement spreads nationwide. To grow tea leaves it is necessary to spray agricultural chemicals to protect it from pests. Since these pesticides fall by rain, it can be said that there is no harm when they are shipped, so there is no problem in Japan, but when exporting overseas it may be going to exceed the standard value of pesticide. Also, since tea leaves are used in Japan too, exports to overseas will decrease consumption in Japan.

3 Conclusion

When green tea is exported overseas, I thought making the target the rich people. They are more concerned about their health, so more people will be interested in green tea than public people. Although the price of it runs the gamut, if you sell it to them, you can get more profit by selling it. I thought I could sell it to a few wealthy groups. Their advertisement power is so powerful, so they may teach green tea to their friends and they began to drink it. The circulation will be a good effect to increase the exporting.

Finding the Light in Sino-Japan Relationships ~Bringing Peace to East Asia~

5129

1 Introduction

The current Sino-Japan relation is in fact; not doing so well. The question often comes to my mind of how this relation ought to be in the future. Is it okay for us to just sit around and wait for the government to make a move? In this world full of violent incidents, loud and silent wars between countries, and radicals that advocate hatred, China will be for Japan, and Japan will be for China, a very crucial country and neighbor along the way. There will always be times when we will have to cooperate. When that time comes, do we want our relationship to be awful, or the best? That is the question. We need to always strive for peace. What's a better way than to begin with our next door neighbor?

Our relationship with the People's Republic of China (PRC) has been unstable; especially when it comes to territorial problems. The problem whether the Senkaku (as is called in Japanese)/ Diaoyu (as is called in Chinese) Islands belong to Japan has been a great one. Of course, both countries claim it is theirs. The Japanese government has even 'bought' the island from its former Japanese owner, and has requested a trial at the International Court of Arbitration. Our relations have had its ups and downs, and unfortunately today, we are in our down.

2 Discussion and Implications

This year (2016) I took part in Sino-Japan Youth Conference in Hong Kong with the ambition to listen to the raw voices of the Chinese youth. The conference consists of 20 participants from Japan, 15 participants of Hong Kong, and 15 participants of PRC. It is a summer program where participants do activities to understand each other's culture and discuss the relations. I was given the chance to learn so much about our relations.

Among many things, one crucial mindset I learned is the importance of letting go and not clinging so strongly to the past. Lags and gaps in our historical viewings are causing problems between us drift away from being solved. Of course, it is a massive importance to respect the voices of the victims in certain incidents. But more than that, we need to prioritize such action that lets us move forward to a better future. To a future that no more will become victims of tragic incidents.

After this, I came to feel the urgency of making more opportunities where more of us Japanese will get the chance to discuss topics of politics with people from our neighboring countries. I was lucky to get this opportunity and gain an experience which I could have never learned through printed words in my textbooks. It was an experience that changed my way of seeing things drastically. That is why I wish for more people to passionately discuss politics and gain such a perspective.

3 Conclusion

Hereafter, PRC will absolutely become one of Japan's most vital partners in many different situations. That is also why we need to make sure that when those situations come to us; our relations are not as bad as they are now. To do this, we need to create a generation of mutual understanding and a mutual goal of a better future and a better relationship. We live in an age that these images of hatred and deviance separate us from race to race and religion to religion. But in the beginning, we are all human beings that hope for world peace. So why don't we make world peace? From Japan, from East Asia, and to the World.

Improving Gender Equality
~In the perspective of law, service and public stance~

5130

Introduction

Since the late 18 century, gender equality has been spreading around the world. In Japan, the effort of gender equality is advancing in part but it's still not enough. According The Gender Gap Report was announced by World Economic Forum, in 2015, Japan was 101st in 145 countries. True gender equality is different for different person. Besides, it's too difficult to considering for us because of the public opinion. I thought that people just discontented and complain, not to do constructive discussion. I think that we should discuss our opinion to improving gender equality and society.

People have claimed the rights to vote for the women and equal rights for men and women at the workplace and the education in the late 18 century. Japan also has aimed for gender equality, or means human equality. Nevertheless, women's advancement in society is still not enough. According The Gender Gap Report was announced by World Economic Forum, in 2015, Japan was 101st in 145 countries. In the data of Gender Equality Bureau Cabinet Office, in 2012, the rate of women to managerial positions is 11.6%, which is still low. At the point gender equality and women's social advancement, Japan belongs among developing country in the world.

Discussion and implications

Up to this point, I just wrote about women's social advancement. I think that you comes to mind "women's social advancement" that immediately when you ask "gender equality". Besides, I think that there are few ones from the perspective of men when considering gender equality. There're many systems that try to support women at the current system. In Japan, both men and women have problems about gender equality and it should not overlook. For example, what is mentioned gender equality in the workplace is the gender role division of labor awareness. In every day except work, there's Ladies Day Discount which is corporate strategy aimed at improving consumption and there're few such services for men. Also, when you have a child and you divorce, your mother has almost custody.

Conclusion

It's necessary for Japan to reconsider and revise gender equality once again from people's consciousness to services provided by companies and administration, constitution and law. Also, since many people efforts and cooperation are necessary for problem improvement, we should assert each idea in order to get interest. Although such an idea often tends to rise, I think that it's important to throw away once and compromise each other and talk. The act of showing each other's improvement points and trying to fix them is nothing special or nothing, if you can motivate it, you can do it. It's not limited to gender equality. I think that sharing ideas and discussing it's important for gender equality and eventually it's important to make a better social.

Young People Losing Interest In Cars
~Think through present conditions of young people~

5131

Introduction

I will propose about some solutions to young people from losing interest in cars if I come to a conclusion that the problem is happening. One day I watched news TV program about young people.

Discussion and implications

Young people losing interest in cars means mainly they aren't interested in cars. I thought definitions of this problem are vague so I made two definitions from this study. First, young people means people whose age is late teen to thirties. Second, young people losing interest in cars is happening means young people don't feel charms of cars, want to buy cars and so on.

I get important information about. First there're a little more than five per young people don't have wishes such as wants to buy cars according to "Market trend research of cars 2015" by JAPAN AUTOMOBILE MANUFACTURERS ASSOCIATION, INC and cars sold were decreasing about one million for ten years since 2005. Second I searched results of "2016 car life opinion poll among new adult (1995/4/2~1996/4/1)" by SONY Assurance Inc. (2015/11/21~2015/11/30) and the survey results of "Fastask" by Just Systems. I found there are 28.6% young don't have plan to buy car and some young answer "I can't possess a car because I don't have money enough to buy." and a change of a way to spend young's weekend is happening. I found there are 28.6% young don't have plan to buy car and some young answer "I can't possess a car because I don't have money enough to buy." I searched young's job and income. Then I found that there're 2.6 million young living annually and as part-time workers per year and their income is decreasing. Lastly I calculated the cost of maintenance of cars and the premium of cars. I found they are big burden in the young who don't have enough money.

Conclusion

I came to conclusion there are two reasons. First a change of a way to spend young's weekend. In these days, we can spend weekend by ourselves because there are many tools. Second the income of young fall. I found that there're 2.6 million young living annually and as part-time workers per year so thought present conditions of young people strict.

I propose three things as solutions to this problem. First thing is "further spread of kurumaniyonn project" because I think young can find some charms of cars by this way. Second thing is "university campus business trip" because I think young can learn some charms of cars by this lecture. Third thing is "car sharing" because I think people can use cars cheaply.

1 Introduction

World semiconductor industry has developed since 1980. Japanese companies were one of the developing and had got top of the share. But now Japanese companies can't get it and top of the share is got by other country's companies. In fact, Apple and Intel have got many shares since about 2000. In fact, ELPIDA which is merger with many Japanese companies got bankrupt. I examine why Japanese company can't get world shares and suggest good idea for Japanese companies.

2 Discussion and implications

Now, Intel is the top of world shares ranking, next is Samsung, Qualcomm and so on. There are Japanese companies in the ranking but it can't get top of the shares. So I intend to compare Japanese companies with Intel and so on.

(I) Semiconductor development team

The number of Toshiba's semiconductor development team is about 5 to 6, whereas the number of development teams of Samsung Electronics is about 30 people. Differences in the number of people engaged in development will make a big difference in development willingness. As the number of people increases, it is natural that it will become a competitive environment, where promotion within the company, salary, the willingness to develop will be very high if living is under way. By comparison, it can be said that Toshiba's development system is unsatisfactory. It can be mentioned as a basis for the fact that the height of Japanese technology level seen worldwide has become inconspicuous.

(II) Difference in corporate development policy

Simply put, Japanese semiconductor companies love new things and overseas companies boasting high global market share love what they can sell. Japan had high technology until the 1990s, and the world wanted it. However, making a new product does not mean that you can definitely sell it. As a specific example, Japan released the world's first 3D television a few years ago. It was a very innovative product but we could not increase the share as you know. Let me give an example of Samsung as an overseas company that I love to sell. When the iPhone got the world big hit, Samsung saw it and released the Android. Samsung's thought as Android got a huge hit, causing a smartphone boom in the world. In this era, rather than making a new product, it is better to become greedy to sell.

AL---A Dangerous Educational Way of Current World
~Do Not Push Ahead without Satisfactory Evidences~

5202

The aim of the present work is make it clear that what the problem of the policy or method which is now being carried out is. There are various kinds of educational problem and purpose of educational research. Actually, now improving the education, so it is not necessarily benefit for present students. Moreover, some may insist on the disadvantage that students will have much trouble in studying for the entrance examination because of the change of the method of the test. Considering the future of Japan, however, it is essential that Japanese education improve and provide students of at least better quality of education than now. In this research, therefore, some data and examples about the way of education and problems of Japanese education are analyzed in the view point of how much that way of education effective.

In the “summary of issues by the Task Force for Curriculum Planning”, MEXT particularized “need for cultivation of skills which students can use in the contemporary society with difficulty in predicting future or with complex change. Needs of education reform depend on the change of contemporary society and Japanese educators have tried to make their way adapt to the society. Now, students is said that they need to get *knowledge and skills, the ability of thinking, judging, express oneself etc. and the attitude of independence, wide divergence, communal/ facing to study, human nature, etc.* In the “summary of issues”, MEXT suggests that every teacher improve their way of teaching with the view point of AL and substantial Curriculum Management, which is the ideal of MEXT. Actually, most journals in education, introduce how teachers are trying AL. However, there is still room for a considerable measure of disagreement whether these results were caused by the method of AL itself. However, further consideration will be needed to yield any findings about this method because nobody have demonstrated with objective and logical thinking that students’ academic ability is related to whether he/she learn in the class introduced AL or not. Despite of this present showing, researchers do not have enough data to test the effectiveness of AL. It is possible that to go ahead with AL in such circumstances is snap decision going beyond a certain level. Also, researchers can discuss this problem with a view of ”Curriculum Guidance for Defining the Basic Standard for Education” of Japan. Japanese transformation from cramming system of education to more relaxed education and strive for giving up cram-free education were not as correct as each other. Former and latter are merely negation. Researchers, educators and government, including MEXT should have discuss much more deeplyIt can be really dangerous to push ahead AL method, which cannot be measured by established test ways. Anyway, I suggest that all discuss this issue much more in order not to repeat the same mistakes .

By the way, this research was going to reveal not only how dangerous the AL method is but also suggestion of more effective educational ways. However, it was impossible for one student of usual high school to clarify the new ways of education based on satisfactory evidences. Though much still remains to be unsettled, I believe I made a few contribution toward the subject.

Cool Japan Policy and Tourism Meets Tourist's Demand
~Importance of Tour Guide From Other Country and Possibility~

5203

Last year, tourists who came to Japan were more than about 20 million, so Japanese government decided to make the goal in 2020 which was 20 million to 40 million. We have to increase the number of tourist more than 20 million until 2020 and we have only 4 years. In order to achieve this goal I focus on the policy which is called "COOL JAPAN". The Japanese government has started it since 2010. The Ministry of Economy, Trade and Industry said that Japanese government dispatches Japanese culture around the world, gather tourists and encourage them to spend money in Japan. Although I think in this policy the culture which the government dispatches tends to be like anime and manga. I thought that Japanese government just dispatches the culture which they think "COOL" and they do not consider what people from other country want. We have to collect the opinion from guides who work in japan and chose the good culture which they want to know. These things need for Japan to make the country as a travel destination so I wanted to start this research.

I thought that we can make Japan as a travel destination with collecting the opinions of foreign people who live in Japan. Cool Japan policy sends Japanese culture to the world and makes Japanese culture trends in foreign country. It can gather visitors around the world and they will use a lot of money in Japan which has good effect on Japanese economy. In fact, most of the members of the meeting which talks about the strategy of Cool Japan policy are Japanese and there are a few foreign people. We have different sense of values between the Japanese and foreign people and they sometimes do not like the things which they like. In order to solve this problem, I propose to utilize foreign researchers in Japan. There are many foreign people who stay in Japan. They might know Japanese culture well and understand it. I thought that when we can gather the opinion from these people we will be able to send good things in Japan to the world. It will be able to make foreign people understand Japanese culture. I thought that we should employ foreign people as a tour guide and guide for foreign people. They will be able to guide Japan from different perspective. If they have the same values, they can guide wherever tourists want to visit. We can encourage foreign people to understand Japanese culture and make them want to come to Japan again. I think we have to support foreign people who want to work as tour guides in Japan and Japanese companies which employ foreign tour guide.

Japanese and foreign people have a difference in the sense of values. For example a good thing in Japan is not always a good thing in other country. I think we have to consider Cool Japan policy in other perspectives. There are 2.17million foreign people in Japan (2015). Some of them know about Japanese culture well and understand them. I think gathering opinions from them is a necessary for Cool Japan policy and it is possible to gather foreign tourists with using their opinions. Even in Japan, it is important to see Japan from foreign perspectives.

1, Introduction

When going to the United States and Spain 's JAPAN EXPO etc, there are many people who like animation overseas and know Japanese culture well. The reason for this is that there are many works that are made with Japanese culture as themes such as Ninja, Samurai, Bushido etc. in Japanese animation. Animation plays a role not only of animation culture abroad but also of transmitting other Japanese culture abroad. However, various scenes are regulated because Japanese animation is too violent abroad. As this situation may degrade the popularity of Japanese anime and its role as a dissemination of Japanese culture may be diminished, it is necessary to have stakeholders of Cool Japan policy move as soon as possible.

In recent years, the economic effects given by animation are receiving great attention. For example, The popularity of Japanese anime is not only in Japan. In the exhibition "JAPAN EXPO" of Japanese animation culture held in Paris, France, 240 thousand spectators visited in 4 days. Besides animation, Japanese calligraphy, kendo, and experiential booths of the tea ceremony were very popular here. This is because many Japanese works are made on the theme of Japanese culture, so many foreigners are interested in Japanese culture. Today, animation plays a role of transmitting not only anime culture abroad but also other Japanese culture to the world abroad. However, many scenes are being regulated because Japanese animation is too violent compared to overseas. This current situation drops the popularity of Japanese animation and the role of transmitting Japanese culture may disappear by reducing the number of people who watch animation. I thought that it is necessary to create completely different policies like "Japan Animation Policy" to support young animator development. That way, the quality of Japanese animation is improved, and it is possible to plant consciousness from overseas countries that "animation is not a thing that children enjoy, but art work that impresses people." Regulation of sublimed animation in art is expected to restrict the work of other live-action movie genres, which is art, so it is expected that regulation will be difficult, and as a result the problem seems to be resolved .

Management of Small and Medium Sized Companies

~Refer to 3 small and medium sized companies~

5205

These days, skills of small and medium sized companies are attended by the world. So I became interested in small and medium sized companies. I thought that how the small and medium sized companies make business strategy to survive in the many companies. I refer to 3 small and medium sized companies when I carry on the research.

First, Aoki corporation in Osaka, second, Sugino rubber chemical corporation in Tokyo. third Suzuki food corporation in Gunma which my father manages. Refer to these 3 corporation and their point or problem of management small and medium sized companies, also I suggest that how the small and medium sized companies make business strategy to survive in the many companies from their better way. Because of select to 3 companies, Aoki corporation in Osaka is famous for invented Maida1 rocket. Sugino rubber chemical corporation in Tokyo is famous for invented Edokko 1 submarine. Maida1 rocket and Edokko 1 submarine send Japanese skill to world. So, I selected 2 companies. Suzuki food corporation is managed by my father, so I can get interview easily, so I selected it.

I send out a questionnaire to managers directly. First, what is the point or problem of management small and medium sized companies and against better way. Second what is proud of each companies. Third, What is goal of your company.

Explain the actual situation of small and medium enterprises. From the White Paper on SMEs issued by the Small and Medium Enterprise Agency, 3.2% of all companies cite overseas orientation as the business management policy at the time of establishment. The majority are aiming for coexistence with local communities. In addition, 70% of executives wish for stability of business than scaling up. The reason is that the survival rate of small and medium enterprises in 20 years is as low as 50%.

The conclusion through this research is that "the unique technological strength" is the most important for small and medium enterprises to survive. In addition to that, the "unity" of all employees. "Competence (speed)" as a company. Furthermore, management policy that does not aim only at corporate profit can be cited. These are the main conclusions after receiving an interview with the managers, but what I think is important in managing small and medium enterprises I think is how much the company contributes to society. Currently, I think that it is important to contribute to society, thinking that companies need selling cheaply what they need for their lives, which will lead to social contribution. These are conclusions through this research. Also, the subject of this research was research on relatively small and successful small and medium enterprises so far, so I would like to continue researching SMEs that are suffering from management in the future

According to my study that I studied about employment two years ago, the disappearance of chance in Japan is based on Hollowing out of industry. As a result of study, the hollowing out of industry is a phenomenon in which the domestic industry declines as the production base of domestic enterprises relocates overseas.

Causes of industrial hollowing out are substitution of domestic production by importing yen appreciation, substitution of domestic production due to increase of overseas production. Government had controlled Japanese company that they want to go overseas expansion until then, recently, it came to think that companies should develop by developing overseas rather than going bankrupt in Japan. Certainly, it is better for the company to expand overseas and aim for new development, rather than having business partners move overseas, the cost is reduced, and the domestic economic downturn causes bankruptcy. But the profit of foreign countries is sent to Japan is precondition to develop in foreign countries bring to develop it in Japan there are various taxes for each country. And recently regulations are becoming strict in order to prevent tax evasion.

As a result, even though sales of overseas subsidiaries are good, there are cases where little profits remain and tax payment over profits is sometimes requested, so in result, it is necessary to give knowledge about tax to companies at overseas expansion. So I think it is necessary to hold a lecture to give tax knowledge about enterprises when expanding overseas.

For this reason, it can be said that it is important to take tax measures for overseas Japanese companies, but Japanese companies need to make efforts to make local production, sales and sales successful. Therefore, as a conclusion, I think that it is necessary not only to promote the administration promoting overseas development but also to fully support tax countermeasures at that time.

According to the research that written by Ministry of Health and Welfare, the ratio of part-time employees reach 40 % to total employees in November, 2015. However, there are very big gaps between full-time employees and part-time employees. For example, when part-time employees want to borrow money, it is hard to make loan because their social credibility are lower than full-time employees. Other example, some part-time employees can't receive bonus and their jobs are unstable.

But, part-time working system is not always bad because part-time employees can choose their working time and can choose the jobs easily. So this system is suit for students and housewives.

So I think both part-time system and full-time system are important.

Then, I figure out new hiring system that is middle stance of part-time worker and full-time worker, called "limited full-time worker". I consider that we could reduce the gaps by using this system

Then I compared working hiring system with world. I compared The United States, German and European Union.

In these country, company must treat part-time workers in same way as full-time workers because of legislation so Japanese government should imitate their system.

In addition, I found that Mr. Abe, Japanese President would enforce this system in his politics so I decided to study about it. He set a goal of balancing workers with 10% of regular full - time employees in the future, 80% of regular full - time employees and 10% of irregular employees.

In conclusion, making legislation is necessary to make good circumstances that there's no gaps between full-time workers. Because in some countries, such as United States and German, including European Union must treat part-time workers in same way as full-time workers. so Japanese government should imitate their system in order to make equal society. I think changing the system will take a lot of time, so during changing it, we should use the system of Limited regular employee.

How To Deal With Imported Foods In Japan
~In Order To Improve The Safety Of Imported foods ~

5208

These days “Foods Globalization” is advancing. This means Imported Foods are coming and going beyond the border. It brings us a lot of merits such as diversification of diet, employment among the countries, and offering skills. However, there are some demerits which are brought by “Foods Globalization”. In 2008, Chinese frozen dumplings cause the incident that some Japanese People became diarrhea after eating them. This incident is one example which regards many Japanese people as dangerous.

Now, “Logistic” becomes more important for transport foods among the countries. It plays a role of the temporary bridge that connects producer and consumer. In Japan, the public organizations, such as Ministry of Agriculture, Forestry and Fisheries (MAFF),

Ministry of Health, Labour and Welfare (MHLW), or many ministries and agencies and foods health centers deal with imported foods, using some hygiene managements and enacting some legislations, and they allow people to sell these imported foods after them checking.

Learn about these hygiene control laws, but why do accidents involving imported foods occur? I believe that this is not a problem of the country of the nation but a worldwide problem including trading partners and other countries. If Japan is not careful about sanitation management more than now, problems concerning the safety of imported foods will not be reduced and even if only Japan is thoroughly sanitary-controlled, there is a problem in terms of safety in the hygiene control of the country of export, if it is said that safety will not improve. In recent years, as Japan participated in TPP, globalization of food is still rapidly progressing and it is expected that it will continue in the future. Strict hygiene control is required in all countries of the world. If so, how about negotiating internationally agreed hygiene control law with the country in addition to hygiene control of only one country? Trying the world-wide sanitation management law in each country means that sophisticated hygiene control laws are implemented in each country like Japan, and I think that safety will increase dramatically.

The purpose of this research is to create a new economic strategy. Since Japanese airlines have been one of the best airlines in the world with high quality and safety. And they were proud of their high confidence. But these days they caused many incidents. This is why Japanese myth of security collapsed. In addition Arab airlines have raised and become best airlines in the world by oil resources since 2000. And so I investigate why Arab airlines emerge these days and solve the problem of Japanese airlines.

Etihad Airways, the leading Arab airline, now put into service 86 cities around the world including cargo and passenger. Established in 2003, it has trained Abu Dhabi International Airport in UAE as a hub airport. What is important in expanding airlines? There are several points, such as network, flight number, and brand development. And they have continued to do them. Initially it started as a regional airline, has expanded its scale to long-distance airlines and ultra-long-distance airlines. And finally, it is also starting to Japan, the Far East, and gradually enhances its presence. Currently, 55% of passengers visiting Abu Dhabi International Airport are connecting passengers. It goes through Abu Dhabi via Sydney in Australia, London in Europe, New York in North America, Canada, and India and Pakistan in Asia.

The pilot shortage of Japanese airlines has been a problem (the problem of 2030). For that reason, the Ministry of Land, Infrastructure and Transport has also taken various measures, such as approving the operation only with two pilots aged 60 or older and relaxing standards for physical examination. It is the current situation that it is not yet in time. A somewhat advantageous position is Jetstar Japan. Reduction due to lack of pilot has not surfaced so far, and although it is a LCC (low cost carrier), it has a history of 10 years and has a large scale Jetstar Air which has a large scale, so the pilot's flexibility is also moderate to some extent. However, it is estimated that about 200,000 pilots will be needed in the Asia-Pacific region over the next 20 years. In any case, pilot shortage is not a problem that can be resolved early.

From the above, I think that an increase in Japan's hub airplane will lead to the development of the Japanese aviation industry. Hub Air is an airport that will serve as a base for relaying routes to various parts of the world and routes to neighboring regions so that the spokes extend from the axis (hub) of the bicycle towards the tire. Because arrival and departure becomes popular, we can expect increase in landing fee. In addition, it also leads to the activation of the logistics industry in the vicinity and the invitation of international conferences etc. It is said that it plays a positive role in regional and national economic activities. We also have to think about the balance between mitigation of the law concerning raising the age limit of a pilot and improvement of safety.

1 Introduction

Tokyo, JOC, and Japanese government invited Tokyo Olympics Game because they expected economic effect of Olympics Game, and get venue. However the cost is increasing and the plan change from the first plan., So many people worry about Tokyo Olympics. If the satiation does not change, we cannot get economic effect. So I decided to think about the key of Olympics.

2 Discussion and implications

I researched result of past of venue. How much did we get economic effect from the Olympics? What did they do to success the Olympics Game?

First, I research about Greece. In Greece, the government reduced debt. But the government estimate budget cheaply. Because of that the debt increased. Now Greece is great debt country. The Olympics Games is the cause.

Next I researched about Beijing Olympics. Chinese government used much money to success Olympics Games. But Chinese government destroyed many facilities after Olympics. So they wasted a lot of money.

So British government improved how to use money. They made a plan carefully. They used existing facilities to reduce budget. They used a lot of money to maintain transportation. So many foreign people could use transportation when Olympics Games was held and residents can use transportation after Olympics.

So I suggest two policies to success Tokyo Olympics Games. First suggestion is that we make buildings we can use with low maintenance cost. So we can reduce useless expenses. Second suggestion is that we maintain transportation system connecting Tokyo and region. We can use money to maintain transportation if we reduce useless expenses when we build arenas. When Tokyo Olympics is held, many foreign people come to japan for sightseeing. If transportation is maintained, foreign people can go to region easier. So region economic will become active. This policy effect will continue after Tokyo Olympics.

So I want to suggest these two suggestions.

What is the education which should be required in the future?
“Consider from the education circumstances of the world”

5211

This time, I will study about “Desirable study in the future ” in Japan to eradicate educational problems by physical punishment after clarifying the reason and background of occurring problem, and want to focus on not only Japan but also the world, then study about educational situation and problem which each countries have now and find out specific solutions of them.

In this study, I will focus on the educational problems in Japan, and consider details and points of improvement. Then I will suggest the state of education in Japan from now on. And make it goals that making a specific suggestion about the education which is desirable in Japan from now on by comparing the education of Japan and overseas countries.

As a way of study, in addition to gathering information using the Internet by books and materials, we actually interviewed the teachers of our school, and utilizing the results obtained by that is also a way to make use of it.

In this study, I investigated about “An education which I hope is”, “Many occurrences of educational problems due to physical punishment in Japan”, “Osaka Municipal Sakuranomiya High School’s case about physical punishment”, “The example of physical punishment in Korea”, Mental suffering rather than physical distress”, “The example of physical punishment in the United States”, “The example of physical punishment in Sierra Leone”, and so on.

I interviewed 3 teachers, Mr. Kondo (Math), Mr. Furumi (English), and Ms. Kuribara (Health and Physical Education), about their way of teaching students, and thinking about physical punishment.

As a result of the interview, I found that each teacher has its own way of teaching students and also has a bad image on physical punishment. Mr. Kondo (Math) has a way of teaching students that supporting the responsibility in society, do not only instruct and teach not only do you just do what he told, and do not let students become passive. Mr. Furumi (English) always bears in mind that doing classes where students voluntarily participate happily instead of being told. And Ms. Kuribara (Health and Physical Education) thinks that it is important to stack a small step for students’ future. And she wants student to learn various things through subjects, enjoy and eliminate "dislike".

And I also found that all the teachers have a bad image and critical thinking about physical punishment.

Of course I know that educational environment and standard are different kind of things, but we mustn’t forget about existence of possibility that physical punishment may grow into deeply problem such as above referenced example very much. To solve these problems, I first thought that reform of awareness of each teacher is necessary. Without relying on threats and pampering, you can train students firmly by the right methods and means. Human resource development as such a teacher is desired. Also, do not forget the thorough training of human resources for the teacher itself and its monitoring. While individual educational philosophies and philosophies are different, it is essential to integrate consciousness about how to conduct correct education.

To Protect Japanese Food Culture
~ Consider the matter in terms of leaving Japanese food
and fad of Japanese food ~

5212

In recent years, the traditional Japanese food culture is disappearing. It causes a lot of problems for example obesity and lifestyle-related disease because Japanese often eat high-calorie food. It is important to have national knowledge in the global society, but many Japanese have a little knowledge of Japanese food. Moreover, some children who don't have a lot of opportunities to eat Japanese food prefer Western food to Japanese food. There are two reasons about loss of Japanese food culture. So, I decided to think about ways to protect the Japanese food culture.

First, the opportunities to eat Japanese food has been decreasing. The amount of expenditure of bread and noodles is growing instead of rice. The reason why Japanese food has been separated is due to increase in eating out and the advance of Westernization of diet.

So I think that we should provide more Japanese traditional meals at school meals. Also, I think that dietary education are fulfilling, for example, we adopt experience of growing of rice. In addition we should hand down Japanese food from parent to child. Accordingly, we can feel Japanese food close to us and the chance to eat Japanese food will increase.

Second, recently, Japanese food is popular and many foreigners often eat it in abroad because it is delicious, healthy and safety. This is called a Japanese food boom. The number of overseas Japanese restaurants is increasing. However, they sometimes provide strange food. The food is not eaten in Japan and do not reflect original. Some Japanese food that was arranged in a foreign country returned to Japan and it have a bad influence on Japanese food. Why such strange Japanese foods are offered overseas? This is because the majority of chefs and manager of Japanese restaurants are local people. They have little knowledge about Japanese food and it is difficult to provide real Japanese food.

So, we should employ Japanese as manager of overseas Japanese restaurant. If it is difficult, we should conduct a skill test on Japanese food for overseas chefs and accept only those who have the skill as management. In that case, we should make a chance that Japanese teach foreigner about Japanese food directly.

“How to Develop School Lunch

~consider Japanese school lunch in comparison with that of other countries~”

5214

This paper reviews the real state of school lunch of Japan and other countries and the important roles the school lunch play for children who eat it. The purpose of this study is suggesting solutions to develop school lunch in Japan. I integrate the results of comparison of Japanese school lunch's system, history and contents with that of Italy to clarify the characteristics of each of them.

According to a report by the United Nations World Food Program (WFP) in 2013, "The Current State of School Lunch in the World", it is said that at least 368 million children are eating school lunch at the world. However, even though school meals are being served, its content and penetration rate vary from region to region. In addition, school lunch in developing countries is often supported by "school meal program" of food support activities conducted by United Nations WFP and efforts of NPO. In 1890, first school lunch of Japan was started free for poor children. Through the democratization and reconstruction of Japan after the war, the form of "implementing school lunch in the whole country", one of the features of school lunch in Japan has been realized. The school lunch in those days might have worked not only to improve nutrition but also to reduce the disparity among children across Japan. The "standards for school lunch and sanitation management" was established in 1997, and in 2009, a partial revision of the "school lunch law" was enforced. The roles played by Japanese school lunch have changed from "maintaining health promotion" to "promoting health maintenance and cultivating understanding of food culture." In Japan, school lunch is carried out by public elementary schools. As a general rule it is a complete meal service so you cannot choose whether you want to have lunch or lunch. Meanwhile, the system of the Italian Republic varies from local governments and schools, and not necessarily in schools for compulsory education. In addition, children can choose whether eat school lunch or not.

Currently in Japan, efforts are being made by the Ministry of Agriculture, Forestry and Fisheries, each prefecture, and each school to spread the concept of food education, but these efforts are targeted only to students who are in a position to provide direct school lunch. I think that activities to promote food education through school lunch should be developed not only for students but also for their parents. It seems that since the history of school lunch in Japan and comparison with other countries, parents' interest about food has become one of the factors that raise the quality of school lunch. I propose that "school lunch visits" at elementary schools be more general and effectively implemented. In the activity, students can present the knowledge of edible education that they have learned for parents.

Aiming For Getting Work-Life Balance
~The Regional Differences in Thinking and Way of Working~

5215

We must work for living, but these days I heard *Karoushi* and suicide caused by working. The way of working are diversifying, I thought that it is important to research about Work Life Balance (it is way of thinking to aim for us to be able to choice the way of working.) I researched by Internet and books and I joined SGH Hawaii Training, so the interview in Hawaii is considered in this research. I researched the present circumstances and thinking in Japan and thought “is this thinking preventing Work Life Balance?”

After my research, I knew in Japan, working hours are not so long, but many Japanese don't get paid vacation and tend to work overtime. The reason is various kinds, for example, climate of workplace and the amount of working. I also saw the difference of thinking about the working in each country. In the interview in Hawaii, I talked to Japanese who works as a tour guide. He said that “Hawaiian value the time spending with family.” I was able to feel real differences in thinking. There is an example in Australia. It is said that this country have an image of WLB advanced country. Overtime working is much fewer than Japan. In almost all companies, workers can't get pay for overtime work. As a result, many people don't do overtime. The base of thinking is “Do the best in your working hours.” People don't take working to their home instead of overtime working and they use up all their paid vacations. This website shows that in the area of Asia, people have group consciousness. I was interested in the way of working in overseas, too. I could know Membership style is used in Japanese company. However, people are forced by unlimited way of working instead of stable job. In the foreign countries, the job style is almost used. In this style, people are chosen by their abilities and decided the detailed job.

From this date, I think many Japanese have traditional thinking which are not suitable for modern Japanese society and this thinking prevent to advance Work Life Balance. I also thought because of high group consciousness in the area of Asia, it is important that big institution like top of company should aim to get Work Life Balance. In recent years, it has been said that globalization are spreading and opportunities for Japanese companies to engage with companies in other countries are increased. I thought Japan should have connection with world and cause new wind. It must change the way of working in Japanese. In fact, in Malaysia, there are differences of overtime work between the area which is affected by the West or not even if same country. Besides, Japan should aim to get Work Life Balance from not only vacation but also the way of working such as job style and we can see the new strong way of WLB. Finally, I believe that steady surveys and various approaches worked out from these date are important for the promotion of WLB.

In the global society, English is being used as an international language. But our mother tongue, Japanese, has higher level than other languages. Recently, a lot of Japanese companies seem to have been expanding their sphere of activity. If we can communicate with the foreign company by speaking Japanese, we will be able to expand our technology smoothly. This paper reviews the possibility that Japanese could be used as an international language when some Japanese companies advance into Asian market, and, how to teach Japanese for foreign people who want to study Japanese in order to use it in business. Then, I suggest two ways. One is teaching Japanese to primary school student in Southeast Asia. Another is adding Japanese teacher of junior high schools in Southeast Asia. This solution will deal with problems between the Japanese company and foreign people, and, promote our expanding into Asia. Japan is a big nation affecting other countries in many fields. Not only the cultural aspect, but economical influence is huge enough to influence foreign countries. The biggest advantage to use Japanese is that we will be able to use it in international situation such as extending of Japanese business. If Japanese companies can tell their technology to other countries by speaking Japanese language, it will make whole process of expanding business smoothly and rapidly. The good point of Japanese language is that it has a high level. In other countries, many students are using English in their school because their mother tongues are not enough to study some advanced subject. However, Japanese people are able to use their mother tongue, Japanese. This is because Japanese language is adaptable and usability. If we can speak Japanese language among Asia countries, there are some advantages for us. For example, in order to introduce our technology, speaking Japanese language is necessary. The actual condition of expansion in Asia is picking up especially in Southeast Asia(ASEAN region) . The number of people studying Japanese language is increasing now. Moreover, about 80 percent of whole learners are in East Asia and Southern Asia. On the other hand, there is still a lot of language trouble in entering overseas. This kind of trouble could have prevented if Japanese language is capable of using between these companies. Therefore, some companies are already doing Japanese language education to foreign employee. Thanks to the increase of Japanese language learners, Japanese language teacher and educational facilities are increasing. In Asia, many schools in secondary education adopt Japanese language as a foreign language, followed by higher education. Schools in primary education are hardly adopting it now. In 2016, Vietnam government settled to introduce the Japanese language education into primary education, but I can say that this case is rare. Problems in Japanese language education are a lot. For instance, the number of Japanese educational facilities in secondary education is largest though the number of teacher in it is smaller than that of higher education. It may be inferred from this date that the teachers in secondary education are running out. However, the most serious problem is shortage of teaching materials especially in the Southern Asia, which is the most important field to spread Japanese language education. Based on these elements, I will suggest two methods. One is teaching Japanese to elementary school student in Southeast Asia. Another is adding Japanese teacher in junior high school of Southeast Asia.

Improvement of Sports Competition Power
~Comparison of sport policy of the world~

5217

The Olympics Games are held in accordance with the Olympic charter. In the first chapter says that Olympic Games are not competition between nations but competition between players. However it tend to contend to make ranking of medal count, but it become a significant aspect of comparing of competition power and financial might of national budgets for competitive sports. Governments untried invest much many sports to get medals. I compare sports policy of japan with France, Korea, America, China, Russia, Germany, Australia, Canada, and the UK. These are developed countries and get a lot of medals. I found things in common and distinction and proposed new policy. And other thing, some companies have sports team and sports athletes. It is called company sports and this style is that companies hire sports athletes as employees of a company and support them. The company sports operate strategic philanthropic and I look at business solution about that.

I compared sports policy and found things in distinction and look at what for sports athlete. First, France enforces a sports law based special system of law. The government and sports related organizations are supposed to take shared responsibility for sports promotion. I think organizations which go hand in hand and like this system is needed in Japan. Japanese sports policy is similar to the U.K ones. However in the U.K, they can work with other sports organizations. Second in Japan, when we create sports policies, we have to consult system used in Canada, "bottom-up type". In a general way, many things decided by "top-down type" orders from top of the organization. "Bottom-up type" is the system focuses many thoughts from many people. It is good to reflect the opinions of organs and go hand-in-hand with them to realization. In Russia, a sports law was under public scrutiny by the country and modified report twice and approved in the diet. It is regarded consensus of opinions and national approval so it permitted respond to significant social changes.

Besides, I will express second assignment, sports corporations. The company sports was started as an employee benefits and its purpose was to combine employees and raise the moral of them. It was fulfilled its role as an internal marketing. However times have changed and globalize the market, some management of the company had come to a standstill. Especially, after the burst of the bubble, company sports became a target of downsizing because they were considered to be useless and they resigned one after another. Even if the economy is picking up, it is difficult to restore the company sports. It tends to easily influence by economy, so the athletes can't take own stable life and be suffering from poor performance. It is necessary to make friendly relation between company and company sports athletes to earn a margin each other. It needs to build a solid system to support organization. Second, it has to work out measures by bottom-up to cope with some institution now on. In the world, many countries bring sports policy to match their national administration and culture. The Olympic Games tends to compete for the number of medals won between nations. There is great concern for sports in the world, because it develops international exchange and economic growth, so it is need to carry applied to culture and government of each country.

Toward the Solution of the World Hunger Problem

Assistance activities of developed countries and social systems of developing countries

5218

We are producing as much food as we can cover the whole population, but this problem has not been solved yet. According to UN forecast, It is estimated that the total population will increase to 9.1 billion people by 2050. However, food shortage is not the only cause of this hunger problem. The main cause lies in massive food disposal in developed countries. In particular Japan's food loss is the highest in the world, and we waste 18 million tons of food annually. It is possible to secure one year's worth of food for 5,000 people by Japanese food waste.

Do you know HFW group? This is NGO organization, and HFW means hunger free world. Of course urgent support such as to send food for starvation country is important, but they aim for regional creation based on residents, so they go to the site and help people to improve their lives.

I suggest two solutions for this. First, we should Indirect funding cooperation, for example, you can change a cup of rice with one misprint postcard. Second I think it is necessary to cooperation between companies and NGO. It has some advantages. Some companies will be able to solve problems by wide field of view such as expertise in social issues and local community activities. On the other hand, NGOs will be able to do more comprehensive international activities by incorporating the company's technological capabilities and organizational capabilities. In this way, we thought that by sharing each other's know-how and win-win relationship, it will be a shortcut to solve other social problems, not just starvation.

I also propose popularization of school meals in developing countries. It can help children's healthy development and can prevent hunger, and it will be an important opportunity for parents to bring their children to school. If you have 30 yen you can secure adequate nutrition of a child in developing countries.

However, even if these efforts are actively carried out, problems will not be solved unless we change our lives. For that, participating in volunteer activities and collecting funds is important. And to reduce the countries that need food aid, it is important to review our lives living in developed countries that consume most of the world's food.

Murder And Its Prevention And Solution of the World
Compare Japan with Latin America

5219

The number of murder cases is increase now because A World Peace Index which were analyzed by the UK newspaper ,”Economist” in 2013 for 24items across 144 countries showed it. So, I set it is the problem of the world, and I consider its prevention and solution. I looked into the areas where have the high probability of murder cases, and the system of Japanese police box which was introduced in Sao Paulo (Brazil).

The areas where have the high probability of murder cases is Latin America. Sao Paulo’s police introduced the system of Japanese police box. Japanese has a high levels of peace and order. There is a system similar to the system of Japanese police box in Europe and the United States, but Sao Paulo’s polices chose the Japanese one. Why did they choose it? The answer of this question is that not only Japanese police box plays a big role to prevent crimes, but also to communicate with residents, and they cooperate with residents to protect from crimes. In this way, polices can work to take root in region is a big reason of this question. We compare Japanese with Western countries, the system of police box has many experiences, and Sao Paulo’s police judged it suits Brazil’s culture and society very much. The detail of the system is that Japanese polices go to Sao Paulo as the professional and Sao Paulo’s police come to Japan to do training. In Sao Paulo, some police used violence and went on an excessive management, killed someone, so, residents of Sao Paulo had treated polices as violent. They feared polices and polices were not necessarily on the side of them. However, communications between polices and residents were increase because Sao Paulo’s polices introduced the system of Japanese police box. As a result, the number of murder cases was decrease to 20 % for 10 years.

From the above, the introduction of the system of Japanese police box, Sao Paulo’s polices could built up confidence relation between them and residents of Sao Paulo, and they could decrease the number of murder cases. And I saw the introduction of the system of Japanese police box connect to prevent from decreasing the number of murder cases. So, in order to decrease the number of murder cases, we should spread the thought what the introduction of the system of Japanese police box is important to deal with murder cases, and to prevent it, all over the world. Now, the system of Japanese police box have spread to Latin America for example El Salvador, Guatemala, Costa Rica, Honduras. In this way, I think that it is necessary to spread the system of Japanese police box to Latin America, especially centrally Brazil. Moreover, I think Japan must actively cooperate in spreading it.

On the Relationship between Human taste and Health
~Childhood taste of life related for a lifetime~

5220

Now, the Japanese ranking of chronic disease of No.1 is high blood pressure. One of the cause of high blood pressure is tasteful eating habits. The person who spend in tasteful eating habits is more paralyzed than spend in a thin eating habit. And I heard human taste decide until 3 years old before, so I search why until 3 years. And why the human taste doesn't change if it decide until 3 years old and when should we decide our taste to live healthy. The purpose of this study is to know importance of taste and the way broaden it. And this study's target is childhood.

The reason person can feel taste is that there are taste buds on our tongue. Taste bud is one of the cells. We can see taste bud it grained ones visible on the surface of the tongue. When the taste bud is stimulated, a signal is transmitted to the taste center of the cerebrum to feel the taste, and the base taste we can feel are five. The baby's taste is made from when it is in the mother's stomach. The number of baby's taste bud is the most when it is 3 months old. When the baby is 5 month old, the number of taste bud cells remains intact, only the taste becomes insensitive. Also there are taste buds since baby is in stomach, the origin of the taste of a person is said to be the taste of amniotic fluid at the time of fetus. After that, Taste buds are worn by irritants, smoking, so human's taste buds are decrease. Also, it is said that what you ate in infancy is what you like even if you become an adult. From this also, the taste of an infant can be understood as being an adult. Next is about hypertension. It is also that the cause of taste paralysis, a tasteful dinner also causes high blood pressure. Because the tasteful food has a lot of salt, salt concentration in the blood becomes high because it takes too much salt and absorbs moisture into the blood and tries to dilute it. When the salt concentration in the blood is increased to the internal organs, since the organ and the hormone are adversely affected, it is very important to keep the blood concentration constant.

I saw sites written about various taste but I found out the fact that most of the person's taste is decided by the age of 3 is correct as it is confirmed that the baby is in mother's stomach. From time to time, I think that it is possible for mothers to prevent lifestyle related diseases such as hypertension in the future by careful attention to eating habits. So, to have mother's taste such as eating habits during pregnancy and tasting meals for children after giving birth, be aware of the reason why the taste is important and what kind of things you should be aware of and make your diet It is important to have you know what is good, so in order to get to know these things, I think that all the mothers can know by telling the mothers' child handbook that they can be issued whenever a new life is given by writing in detail about the taste, so I propose and solve it.

The Problem of the Waiting List for Daycare
~Considering What Japanese Day Care System Should Be~

5221

The increase of child on the waiting list for daycare is a social problem in Japan. The child on the waiting list for daycare is child who cannot enter the nursery school although they apply. There are some causes of this problem. First, there are more two-income families which must leave children. Second, the number of day care centers and nursery school teachers are decreasing. When I examined the salary of a nursery school teacher, I found that it was about 110,000 yen less than the average salary of all occupations. Some people have qualified nursery school teachers but still have other jobs. Third, there are many nuclear families in recent years. This problem weighs heavily on mothers who think want to work and on families which have children.

It is Tokyo that there is the most number of the children on the waiting list for daycare. I understood that more population increase, more the number of such children increase. In major urban areas, buildings and apartments line up so it is impossible to secure sufficient land for the construction of day care center.

Looking to the world, In Sweden, I found that there were almost no children on the waiting list for daycare. Sweden consolidates nursery schools and kindergartens and they are in the jurisdiction of the education office as a "preschool". By doing this, the social status of the day care center has risen, and the salary and position of the nursery school teacher has risen. There are some people who leave their children at a child care center but children can't get knowledge that should be obtained by collective action due to its small scale.

It is necessary to solve mainly the urban areas, which are said to have many children on the waiting list for daycare. Since it is difficult to secure land for day care centers after the building was built, I think that we should think about a plan that allows day care centers to be built at the same time when we build buildings or apartment buildings. Also, it is important to make a child care center better for children's growth. For example, we put some child care centers together or we make a space where children can play on the rooftop. Also, I think that Japan could solve the problem of decreasing the number of nursery school teacher if they imitate Sweden system. I think that creating a society where women are easy to raise children is necessary for Japan now.

The State of Radio in the Future
~radio will be health equipment for people today~

5222

Radio listeners have decreasing. Radio and television have been decline caused by the rapid spread of the internet. The radio industry has try to attracting young listener with increase radio program which popular among young people and make applications which listen to radio by internet. The effect is a little. So I thought how to increase radio listener connect to problems with health of people today.

People today depend on smartphone caused by the rapid spread of the smartphone. According to the questionnaire of the MMD Institute thirty percent of young people aged between ten and thirty depend on smartphone. If you have hard smartphone addiction, your brain become weak and you have symptoms of like dementia, such as couldn't understand on my way. Besides shape of your finger become deformed and you couldn't real communication well.

So we have to do digital detoxification. Digital detoxification is an action to be separated from a digital gadget for a certain period of time to prevent an IT dependency, but is not readily what I can easily perform. But we should keep a distance from smartphone. My plan is to take in a radio in life to make it easy to perform digital detoxification. The plan has two merits.

First listening to the radio is activation of brain. It is the media only for sounds to a radio. That is why we create pictures only for oneself in a head based on the information that became available from an ear and watch it. "A field of vision field" of occipital lobe controlling sight acts in the brain then. In addition, the frontal lobe, the parietal lobes are mobilized all with work, this lively, and brain activates "the speech center" of the temporal lobe generally to understand words. In other words it is activated the whole brain just to listen to a radio casually. Second radio is easy to take in our life. I do housework while listening to a radio and, in a car, do a field work and can do various things. It may be so far at time more effective by acting while the time when I spent it for a smartphone listens to a radio.

I think I may sell radio as healthy goods of people today. For a concrete method is that spread that listen to the radio in the medium like the music player to the people. Because listening to the radio by smartphone makes difficult our digital detoxification. If we listen to radio to digital detoxification, we may not use smartphone. So I think that the shop should spread the exclusive medium which people listen to radio like music player. The medium version increase to insist for young people. Such as careful and compact.

People listening to the radio to digital detoxification, it makes our health and restoration of the radio,

The Current State of Pets in Japan and a Countermeasure
-Learning from the animal welfare of Germany-

5223

Japan is said to be an animal protection underdeveloped country. And while I check it, I knew Germany is Animal protection developed country. I want to know actual condition that animals are given away by an owner and go to a public health center. Many people take care of animals carefully, but there are pets given away. I want to know comparisons Japan and advanced country of animal protection. And I want to find how to contact pets in the world.

Animal protection facilities called "Tierheim" look for an owner in Germany, but there is examination such as the breeding environment to prevent an easy transfer to become an owner. The rule is that do not kill the dog which has been thrown away and can leave it with Tierheim. The Germany do not has any place of killing animals. But they search for new owner at house of animals. Animals protected by the Tierheim. And they do not have the time limit of the stay. Tierheim have an administration policy that do the judgment of the killing by only doctor and do it only for euthanasia without the pain. For example, dogs which in a dying state in traffic accident is chosen euthanasia, and dogs which have been cancers in the latter period is chosen euthanasia. Tierheim has two roles. It's "protection and the accommodation of the animal" and "intermediation and the transfer of the animal." The biggest difference between Japan and Germany is that do not kill dogs and other animals. In addition, Germany has the action called the dog tax. It is the way that it becomes good power for the person to leave a dog easily. And Japan had dog tax. The Japanese dog tax history dates back to about 1955. The 2700 local government of taxed it, but it was finished in Nagano villages. Abolition reasons is that the collection cost of the dog tax exceeded a dog tax and that dogs do not have their family register, so it is difficult to research how many dogs there are in the city. Therefore after investigating a success example in Japan, I collected donations using "Furusato Nouzei" in a group of Hiroshima and discovered a connected example in improvement of the facilities environment.

I studied a method to reduce an action and the number of the killing of the animal protection that it was easy to adopt in reference to a Germany animal protection system in Japan. Because it is thought that it is the same abolition reason before to adopt a dog tax again in Japan and is inefficient, I show a way to gather money, and to improve a system of the animal protection, and to reduce the number of the killing by a method using the "Furusato nouzei" succeeding in Hiroshima. I think that the consciousness to animal protection may gradually increase like Germany if it will improve the facilities for the money that it collected here. I thought that at first it should perform this action from Shikoku. Because Shikoku has much number of the killing in particular.

Defend Juvenile Crime of Repeat Offender

~ Aiming for Rooting Out Juvenile Delinquency in the Future, Based on the Study of Past Crimes ~

5225

I could list to adult should grasp children's life from effect of studied the first offense. I think adult should notice and observation to children is preventing from crime.

I consider to practice communicate with children, connect with teacher and parents. Then I define communication is important to children and some adults.

This time, I researched second offense, but I saw to data of the metropolitan police department, First crime is seem to decline, but in comparison to second crime is increase. In repeat offender's number is the worst in history and it increase every year.

For a juvenile who has done delinquency (a criminal who was sent back from a family court for over 14 years and was prosecuted) as protective sanctions, there are probationary observations, child independence. Support facility child care facilities sending, and juvenile training school sending three. Both of them provide opportunities for education while restoring the physical health of the boy, and the boys themselves. In the case of, it is aimed at aiming at reintegration of society. Reformatory in safe and rehabilitation the boy's social work, but brutal of containing history find a job at the time required for a resume. Symphony or not to have become also, boys are criminal history in hesitation not rehabilitation in order in Fig.

In addition, criminal records who actively accepting companies and organizations more that so, such companies working at a criminal records who often. Companies such as an organization try lever aggressive accepted in as if also looks, but I am organization other than the general social eyes and threatened you are.

For example, the boys of local crime against rumors propagation and rehabilitation and it were the criminals that eyes seen away with would thing. This situation is also a crime buds to rising would cause also can become. And, due to the development of the Internet and SNS, wide spread dissemination of the crimes of boys. By breaking the prohibition of real name reporting which is also stipulated as a law in anticipation of information and social reintegration name and address. It is also possible that the case will be revealed. Things on the Internet are particularly deleted. Since it cannot be done, if information should be leaked by any chance, we will have great support in juvenile training schools. Even though I have received it, the prospect of complete social reversion will disappear. In order to rehabilitate the boy and to prevent repeat offenses, not only legal institutions such as juvenile training schools but also society receives. You have to put everything in place and put it in place. Finally, I would like to propose the results of the survey that the community can do for delinquency prevention. Any boy who committed a line returns to society by returning to the community.

Juvenile crime first offense, recidivism is in any event will prevent squid must problem is one also be said. I have this research through the near future results alive we want.

To Support Handicapped People's Social Participation
~Aim their long employment~

5226

Introduction

In 2016, Handicapped Person's Employment Promotion Law is established by Ministry of Health, Labor and Welfare in Japan. The handicapped people who work in the private enterprises have increased in recent years as the way of thinking normalization has spread. We have to make comfortable circumstances that they can work with ordinary people, so this study provides what we should do to support handicapped people to participate in their society. I asked Mr. Iino who is a teacher in Prefectural Takasaki Special-needs school about how the private enterprises employ them.

Discussion and implications

2nd grade students in special-needs high school start to do job-training. They try to work in about 3 companies in a year. Their teacher and parents have to talk with some worker in the companies to arrange that students will be able to work adequately. Teachers make the students' profiles. Mr. Iino said, "After that, students could work speedily. If the companies get their profiles, companies can prepare something before they work. Moreover we have to tell them about what students are good at. It is necessary for students to be known their special talent."

The teacher in special-needs high school always think about how they should do to teach students more intelligible. Of course, handicapped people's social participation need to help by around people. Handicapped people's life can be changed by our support, for example, at first students couldn't have understood something, they could do that through teachers' eager help. Teachers seem to teach again and again. Therefore, they can understand.

Conclusion

I suggest three ideas to employ handicapped people for long time.

First, we should give them the right to choose a job they want to do. If they can work their favorite, they will be able to work more actively.

Second, we should make the most of their ability. They have a lot of abilities which ordinary people can't imitate, for example, visually handicapped people are good at listening. Autistics can concentrate on their attention on their work for a long time. Many companies will be able to speed up companies' rate of work with their working.

Third, we should help them casually. Finally, it is difficult for them to work without our consideration. I suggest that we make chance to hold meetings with employees once a week, and discuss some problems. We can solve worries and issues.

Employing handicapped people is not so easy. Japanese sense of value for handicapped people's social participation have changed. How should we help them when we become adults? First, we have to change our consciousness to work with them.

A Plan to Activate Gunma Tourist Industry
~Planning for Both the Internal Market and Abroad~

5227

The number of tourists of Gunma, the ratio of repeater is larger than tourists come for the first time, and most of repeaters come to Gunma to take hot springs.

Then I want to invite people who have not come to Gunma ever, and I want to activate Gunma ' s tourist industry so I make some plan for them.

And in my research, I decided young Japanese and foreign people as the target who I want to invite Gunma.

First, I made plan to invite young Japanese.94% of them have smartphone, and almost of them use photograph for SNS so, the importance of photograph has increased now. Then, I paid attention the point. If Gunma make tour travel photogenic places, young Japanese who want to take nice pictures will be interested in the tour, I thought. Then I made a tour plan travel which visit lavender park in Tanbara where we can see beautiful flower garden like picture books, Yosigadaira in Kusatsu where we can see view like diorama, Rockheart castle where we can take picture in dressed, Nisinokawa hot spring where we can take emerald green, paraglider in minakami where we can take picture we flying in the sky, and isidanngai in Ikaho hot spring where we can take picture with yukata, and I thought if this tour make official account, young Japanese will easy to find the existence.

Then, inviting foreign people, I paid attention for Europe because of its much consuming of their vacances especially, Italy is easy to visit Gunma, I thought. because a Japanese comics “ terumae = romae ” is the scene of the story shifts to Italy is famous and popular in there, and when it became movie, Takaragawa hot spring was a place making a film, so Italian likes it will be interested in Gunma.so I propose a plan for Italian which visit Takaragawa hot spring and employing gunma's students who study Italian, if we do so it is good for Italian tourists and gunma's students.

First, I pay attention to small place like Italy, and slowly spread the area. Then I can invite many people all over the world, I think.

I think it is important that telling the good points in many kinds of language, because it make possible many people in the world know the information of Gunma.

From these research, I found three points to invite people who have not come to Gunma ever. First, making tour plan which visit photogenic places for young people. Second, making tour plan which visit Kusathu hot spring and employing students volunteers for Italian. Third, telling Gunma's good points in many kinds of languages and using SNS.

If Gunma do so, we can invite many people who have not come to Gunma ever, I think.

Why Do You Not Talk to Foreign People to Acquire Foreign Languages?
~Speaking Foreign Languages as a Goal of Japanese People~

5228

Our society is becoming global and we can connect SNS all over the world or we can know some news which I have never to been. In this world, can we speak foreign people enough to understand each other? According to a result of interview which asked foreign tourists, many tourists cannot take communication to Japanese easy. This is a big problem. So we should do language preparation to foreign people.

Now, I am going to study both of the language preparation to foreign people and Japanese students will be able to learn foreign language in elementary school education. This essay give definition of the “elementary school education” is elementary school to junior high school in Japan. And I focus on only English education in all languages, because English has most speakers in the world.

First, according to Ministry of Education, Culture, Sports, Science and Technology’s research, elementary school could have grown up to students’ power of communication. However, a lot of junior high school students cannot keep up with their English class, because of junior high school has much difficult than elementary school. So it is one of the most serious problems for students to shift the learning curriculum. There are more than a million ALTs in japan. ALT is Assistant Language Teacher, who teaches native English to assist Japanese teacher and students. I think students to talk with ALT, student’s English ability is grown.

Second, I have suggests that students use textbook which has basic to application. Now, Japanese school has some steps, kindergarten, elementary school, junior high school, high school and more. In addition each school is change students member, teacher, and textbook. So this system is very irrationality, because this study system has a difference for teachers, schools, or text book. It can be make system to consistent English study. That textbook should have three topic, grammar, English composition and conversation and can do their one lessen. I think that this compose of the class can be gave sensation English is language for many students.

In difference way in focus on tourism. Especially in Gunma prefecture has some problem. First Gunma has not enough to some language equipment, for example make free Wi-Fi which can use all tourists. Second, we living in Gunma cannot appeal about our prefecture’s charming points. I suggest that some students who learn grammar and much English power in elementary school and junior high school do volunteer. This project called “students volunteering”. I think Students volunteering can make to write train schedules in English, introduce some tourist spots in near the station and local bus or local line’s information write in many languages. This is not only foreign tourist can know about Gunma prefecture and can help them, but also students can improve their English power. If the students’ English power, whole area’s English power will improve and many foreigner come to Japan.

I suggest that elementary school to high schools educate should be consistent of English education and English teaching materials. This program can be learning English long span. After high school or university students do volunteer which guide for tourist. All the programs should be able to improve English ability of Japanese.

The Early Selection of Study
~To Make the Best Use of Our Own Good Point~

5229

Through this study, I thought that the government should train the able person who are good at particularly fields. In order to do so, I suggest the education system: make decision of elective subject when people are junior high school students. Today's system, make it when people are high school students is slow to train those people.

Considering generally, today's plan of education produces people who have some widely, but superficial knowledge. On the other hand, to select subjects when you are junior high school student will produce specialists of our own aptitude fields.

First, I want to explain about why I thought to select study is important. To consider about it, I refer to three reports announced by Benesse Educational Research & Development Institute. There are many subjects, but in this research I have mainly considered only about English, but there is no particular reason. It was because it was easy to study.

First one is "A report of basic investigation about English taught in a junior high school." This report shows the data on likes and dislikes of subjects of junior high school students.

Second one is "Basic survey report on junior high school English." This report shows the data on the length of time spent on study. There was a difference between the students who selected English as their favorite subject and the students who did not do it. Students who choose English as their favorite subject are spending a large proportion of their English learning in long learning time. On the other hand, students who did not select English have a small percentage of English learning.

Third one is "Fourth Basic Study Report." This report shows the data on learning time divided by deviation value. Students with higher grades have longer study times and vice versa. However, it is possible to say a chicken-and-egg situation.

From the above research results, I thought there was a negative loop. There is a certain relation between the recognition of subjects, study time and results. So, I think today's system is inefficient for nurturing superior people.

Second, I want to explain about why I choice when you are junior high school students to do selection. The earlier the earlier you acquire knowledge. It is more efficient to concentrate on studying subjects and courses to be studied early for university entrance examinations, and there are aspects that are easy to teach.

I think there are many problems in my recommendation. There is a possibility of missing the opportunity to touch science-like ideas / literature-like ideas.

To reduce these possibilities I suggest setting many opportunities to discuss students with other specialties.

We have to make the surroundings that we can show our ability.

Comparing the English Education in Japan with that in Asian Countries
~How to improve our communication abilities~

5230

These days many children in Japan study English at school. However most of students study for the examination such as entrance exam for university. So I thought it is hard for us to communicate with foreigner in English. I focused on education and compared it in Japan with that in two Asian countries. I selected China and Korea. Because these country`s languages are similar to that of Japan.

According to the result of the test which measured people`s English communication abilities, Korean is higher than other two countries. And Chinese English abilities increased. While that of Korean and Japanese stagnated. But except Japan, these countries attach importance to English communication. Then I would like to introduce you about each country`s characteristic of education. First is Japan. It is said that English education is almost lecture type. So students study grammar mainly. Next is China. Many schools in China take in oral communication. It is that students must speak only English in class. So they can improve their speaking abilities. In addition many people in China have been interested in English since the year when Beijing Olympic was held. It is one reason why Chinese increased their English abilities. Lastly is Korea. In Korea there are some English centers where students can experience the situation of public spaces. Such as airport, hospital and so on. So they can their communication abilities, too. It seems that English education in Japan lack of communication activity than other two countries.

Therefore I came up with two solution of this communication problem in Japan. First students should use tablet and make video speech with foreign students. It is good for them to acquire communication, because they can enjoy talking the same age of students. And students can respect each country`s culture and obtain good opportunities. Second students should speaking practice more, so they do pair work. First teacher explain the situation and students have to develop it by their communication abilities. It needs imagination but accuracy. I thought this two suggestions give a chance Japanese students to acquire English communication abilities. But most important thing is that Japanese students have to have interest in telling own thinking to other people in English.

In 2020, Tokyo Olympic will be held. So many foreigners will come to Japan and we will have a chance to communicate with them. So I thought we should improve our English abilities to welcome to foreigners and to communicate with them in English.

Stress that Human Feel and Its Influence
~For Dealing with Stressful Society~

5231

The purpose of this study is I propose a method facing each other with stress.

I sometimes hear that "Japan is the country where stress is easy to collect". If stress is easy to pile up there, I will make an investigation of stress. Finally I will suggest the method that faces with stress.

According to the investigation by "The Society for the Lifestyle-related illnesses prevention in Japan", the ratio of woman who felt stress of Japan was 52%. Research Company Nielsen runs in April from February, in 2011, and this investigation "Women of Tomorrow study" that went for 6,500 women of 21 countries. It was Pacific of Asia, Europe, South America, Africa, and North America.

When we save such a stress, and the human being is crowded too much, we cannot deal with stress reaction and turn worse, and problems occurs to mind and body. The problems are "mental health disorder" and "psychosomatic disorder". I think that it is effective to use what's called "The Stress Management" to prevent you from suffering from such an illness. It means that we should deal effectively with stresses ourselves which we pile up the stresses ourselves. I think that it is important to do "The Stress Management". In addition, there is the website that made by the Ministry of Health, Labor and Welfare. It called "The Ear of The Heart". A purpose of this website is to prevent securing of mental health and suicide or death from overwork. With "The Ear of The Heart," there is the guidance of a stress self-check and the counselor's office.

When stress disappears from the world, what happens? Mr. Donald Hebb who is the Canadian psychologist performed an experiment that is "Sensory Deprivation" in 1951. This is an experiment how a person turns into if we remove stimulation from the outside stress entirely. 14 students became subjects of this experiment. The subject spent 80-90 hours in the room. There is no light, a sound and a smell. And there is only a washstand and toilet in the room. They attached semitransparent goggles to the eyes, and received a thick glove in their hands and blocked up the ears. Then they did not talk with another person at all. As a result, the subject suffered from schizophrenia such as a paranoia and have hallucinatory. In addition, as for them, an intellectual power and the concentration became loose, and it became impossible to live under daily life and they became easy to be brainwashed. Therefore, I knew that people need moderate stresses.

People being needed the moderate stress, but mind and body knew that a problem occurred even if too low even if there was too much stress. It was delicious and thought that it was important to keep company with stress by the stress emission method for oneself while doing the stress management by oneself, and regarding communication as another person. In addition, when we store up stress too much, that we should use the websites and we should consult with a family or friends, I think.

These days, many people know depression which is called Utu in Japanese. It develops because of various factors, especially decrease in serotonin which is a neurotransmitter in brain. Decrease in serotonin is caused by mainly stress. People in modern society tend to feel stress because human relations become weak and people are pressed for such as work, time and information. As a result, depression patients increase more than 600,000 in 12 years. Moreover, there is a data that 60 percent of all suicides are depression.

There are two treatments. One way is medicine. In 1999, Japan permitted to use SSRI which was a medicine for depression. However, this medicine is effective for only serious patients, and it may cause suicide and violence. The other way is counseling. Recently, many schools and companies have each counselor, and they try to find mental illness quickly. However, I hear that counseling is not functional. People who have trouble or illness cannot go to see a counselor because of different factors such as eyes around them. Moreover counseling is difficult to cure one's depression perfectly because it does not have immediate effects, and skills of doctors influence whether it is effective or not.

Both of above-mentioned remedies take a long time to cure depression, and they force patients to rest a long time. Due to the fact like this, I expect that the increase in the number of depression patients leads to the decrease in that of workers. In addition doctors decrease increasing the burden of treatment for increased patients. As a result, our country may weaken and nobody can treat depression, so I consider new remedies without human beings.

First, I suggest therapy robots. It is like an animal and able to come into contact with patients. Contacting with animals or human beings on each skin secretes oxytocin, a hormone called "love hormone". It makes trust and love, and it reduces cortisol, a hormone called "stress hormone". Moreover it does not only stop the decrease in serotonin but also increase it. Thus, contact with animals gives peace for patients and contributes to treat depression. The object with which they contact is not a real animal but a robot, so you do not have to worry about the allergy to animals.

Next, I suggest a treatment with VR technology. University College London did an experiment in the remedy of depression. The researchers considered that self-love was important for easing mental suffering, so they tried to boost it of patients with VR. First, they let patients put VR headset on and comfort a crying child in front of them in 8 minutes. Next, patients became the children who had been comforted by them and listened to their speech they had given. After this therapy, 60 percent of all participants became good condition. In this way patients indirectly cure their depression with comforting children and listening to their speech.

In fact, Daiwa House Industry invented a robot such as that I thought. It is used in therapy homes and hospitals, but it is not used in common homes, so I hope it will become popular. VR has many problems such as bad feelings by using VR. However, it is expected to be a good treatment if those problems are solved. I think technology development gives us new treatments.

Tokyo Olympic is going to be held in 2020. Along with it, the government has announced a variety of policies, and it is said that, especially, those related to the economy are very important because the government estimates that Tokyo Olympic can bring the tremendous economic benefits to Japan. However, how about after 2020? Generally, there is a tendency that economy falls after the big events such as Olympic Games and FIFA World Cup. Thus I started this study to suggest the solution that can help minimizing the economic stagnation after the Olympic Games and to prove why the economic stagnation happens after them.

Though there are many previous researches related to the economic fluctuations of Olympics venues, most of them are just the researches of the reality and I could not find the effective solutions. Thus, I thought about the specific improvement measures in this research. Also, to think about it, I proved why the economic stagnation happens after the Olympic Games. I used Nihon Keizai Newspaper, the database of IMF, the Economic White Paper published by Cabinet Office, and the document of JOC as the means of information gathering.

Results of the investigation, I found there is a tendency that the economy grows at very high rate towards the Olympic Games. This phenomenon is caused by activation of the economy in many fields such as the infrastructure industry, the food and drink industry, and the real estate industry. I also found after the Olympic Games, the economy got low growth. Moreover, the growth rate of developed countries was relatively low. This is caused by the recoil of the astonishing high growth of the economy before the Olympic Games. Before them, there are a lot of economic activities related to the Olympic Games, but once it ends, they totally disappear. Therefore, to avoid the economic stagnation after them, I thought it is good way to develop the infrastructure that can deliver a stable economic effect, to think about the use of the infrastructure after the Olympic Games, and not to spend too much money for the capital investment. Lastly, I would like to suggest "creating a compact host city". The goal is to make the facilities necessary for hosting the Olympic Games consolidated as much as possible. In such host cities, there is no need for new maintenance of public transportation and athletes villages, and costs can be kept down. By doing this, you can limit excessive capital investment and minimize the impact of the economic stagnation after the Olympic Games.

The recoil of the astonishing high growth of economy before the Olympic Games is the main reason of the economic stagnation after the Olympic Games. Therefore, as a remedial measure, I propose "creating a compact host city". In the future, I would like to mention the phenomenon of economic stagnation regardless of Olympic Games so that the scale of the impact of the Olympic Games on the economy can be shown by comparing with them.

NEET Problem Occurs in the World
~Self-Support Importance~

5303

At first, I explain about NEET. Do you know NEET? NEET is abbreviation of “Not in Education, Employment or Training”. They have not got one’s education. Further they have not received vocational training. I’m going to explain of “Part-time workers” and “NEET” difference. They have definitive the difference. Part-time worker make a living unstable. Jobless person lost employment, but they desperately job hunting. NEET don’t seek jobs, and they have receiving the assistance. People need a lot of money in order to live. It’s same of NEET. But they don’t have a job. There are many kind of NEET I think. I said some time ago, I can’t criticism the NEET when I understand the NEET. Therefore I researched to NEET have effect on the country to good affect and bad affect.

At first, I research what is NEET definition. Next, I consider how transition to NEET number of person. Next, we think what the NEET should increase or cut down. And I consider the solution.

First of all, as a serious effect, becoming a NEET may reduce the labor force in Japan and decrease labor force. Not only the labor force but also the technology and knowledge are deteriorated, the international competitiveness is also weakened, and as the number of NEET increases as the labor force declines due to the declining birthrate and aging population, it is difficult to prevent GDP and economic growth Also. Next, there is a problem of tax revenue. Although young people who originally graduated from school have an obligation to work and pay social insurance premiums and taxes, young people who are neat can’t pay because they have no income. It is still good while my parents can be nurtured, but after my parents are gone, it could be a position to receive welfare protection. In addition, neat young people have no income, so getting married becomes difficult. If the number of unmarried people increases, the declining birthrate will accelerate. The longer the neat period is, the harder it is to get jobs thereafter, and the salary side and the treatment side will differ from the person who was not neat even if you get a job. However, this is because in the White Paper on Labor Economy from 2005 onwards, newly added students who are not "doing housework without doing housework" or students who are in a state of so-called school refusal, and also corrected past figures in the definition of NEET. Based on this, as the number of neat increases, the influence on the country is enormous NEET does not have a good influence on the country, and thinks that it is necessary to reduce neat. In order to solve NEET as a solution, first of all, you have to think about why you are going to NEET. So I sought myself for those who wanted to become a NEET for reasons such as I could not find a job I would like to be, or not fit. I thought that it is important for me to think about the future and I think it is important to incorporate a lot of time to learn about the occupation that I want to be during the student period.

How to Reduce Food Waste
~Consciousness of Japanese Food~

5304

Japanese people dump food waste about 1800 t per year. It is more than other developed countries. So I focus on "Food loss". This is abandoned food that we can still eat. It is about 800 t in year and same for rice produced in Japan. The purpose of this study is to decrease Food loss. As a result I found that the concept of the Japanese is related to reason for increase in Food waste. Japanese people regard expiration date as important. Japan's flavor expiration date is shorter than other country. It's called "1/3 rule". It means that people should ship and sell until 1/3 flavor expiration date. So, I think we should use Food Bank and do Food Recycle. But both have low profile, so I propose to publish in textbooks.

What is the percentage of food losses. Half of waste abandoned from home, and half from companies (restaurants, food processing companies, etc.)? Why such a lot of food losses occur? Food loss is considered to be a residue of food leftover due to excessive food leftovers or shopping at home meals. There are many reasons that "taste deadline is close" and "I could not use it because I overbought" exceeds 50%. As a result, 25% of food waste is prior to the expiration date. In a company (restaurant), food waste is increased too because many customers leave to eat and surplus food are occurred by company.

We should take advantage of Food banks. Do you know what they are doing? They take over some foods that we can still eat and hand over for Old age facility, Disabled facility and so on. In the United States, a lot of the people utilize it. However, Only Second Harvest Japan can work in Japan. Because local food banks are not well known, and maintenance costs cannot be secured. I think that we should make more use, because companies can reduce the cost of throwing away unsold. Next, I recommend "eco cooking". That is cooking to use the remaining vegetables and remake surplus food. It is suppressed material costs.

It is also important to raise awareness of this, but what is common to all is low profile. I propose to post information such as food banks in textbooks. If activities spread, you will have a chance to know. I learned the food bank from an English textbook. So, if you can spread as part of education, increase people who are interested in I think. With this, publication in textbooks will increase the name recognition. As a result, I think that it will reduce food loss.

Veterinarian and Veterinary Care for the Future
~Required Veterinarian~

5305

Recently, demand for pets are increasing especially cats due to decreasing birthrate and aging of the population, the pet owner are making demand for high-level veterinary medical technology. In other words, the owner of pets are requesting “fine veterinarian”. Amid the situation, I had questions; what should veterinarian do in this situation? That’s why I wanted to study Veterinarian and Veterinary Care for the Future and Required Veterinarian.

To think of them, I referred to questionnaire for pet owners by Japanese company. The question is “How is your standard call for veterinarians?”

1. They have basic technique treatment. (435points 42.3%)
2. They cooperate with advanced big hospital which has CT, MRI, technique of cancer treatment, etc. (450points 30.0%)
3. They have high-level technique and have CT, MRI, technique of cancer treatment, etc. (311points 20.7%)
4. They have specialized technique and technical knowledge like ophthalmology or oncology.

The result of this questionnaire, I can say that a lot of owners demand for basic technique and I had questions “What is basic treatment required by owners?” To think of it, I did the interview with veterinarian and veterinary nurse. Then, I summarized five parts as a result.

First, ‘The veterinarian who can communicate with pet owners and can build trusted relationship with owners’. Second, ‘The veterinarian who can communicate with animals which cannot speak’. The veterinarian cannot treat pets without relationship among veterinarian, owner and pet because pets cannot speak like us, so it is important to treat pets to communicate with owner. Third, subject to attain the above-mentioned, I can say ‘The veterinarian who can provide the most suitable medical treatment for pets’. To attain this condition, veterinarian should be informed consent. Moreover, the veterinarian should have a lot of experiences. Furthermore, intuition is important for treatment. Forth, I can say ‘The veterinarian who can make owners and pets assured.’ To attain this condition, veterinarians should NOT devote themselves to treat only pets. They should communicate with owners and they should provide relief for owners. Fifth, I can say ‘The veterinarian who has own thoughts and can act according to circumstances.’

Besides, to meet the needs of owners, I thought that all veterinary hospital in Japan should cooperate with secondary animal hospital which has high-level veterinary medical technology. I thought that I have to hear opinions of the others veterinarians. This is a future task. The purpose of this study was to think about veterinarian and veterinary care for the future. I thought them by interview to veterinarians and veterinary technicians. But I should gain ideas from other veterinarians or veterinary technicians because they have different opinions or ideas. So I cannot define ‘This is Veterinarian and Veterinary Care for the Future’. I should adopt a lot of ideas and opinions from veterinarians.

There are many problems around the world, such as global warming, ozone depletion, AIDS, disputes, and terrorism. Solving these problems needs international cooperation. The theme of this research is disputes, one of these problems. Disputes make many innocent people die and have a bad influence on other countries. According to "Broken Windows Theory" advocated by George L. Kelling, small disputes become big disputes. Therefore, restraining and solving disputes is needed. In this research, it is the purpose to suggest the method of restraining and solving disputes and recognize the possibility that humans can eliminate the disputes.

One of the methods restraining disputes is restriction of exporting weapons. Though Japan doesn't have the armament, weapons made in Japan lead humans to cause disputes. Exporting weapons can promote causing disputes, so we must restrict exporting weapons. Giving funds is also. Weapons and funds can be dangerous causes that raise new campaign.

Strengthening alliances is also a method restraining disputes. As for Japan, Japan is not attacked by the other countries like North Korea because they have the Japan-US Security Treaty. Although U.S. military base is one of the problems in Okinawa, it makes Japan safe.

One of the way solving disputes is "Peace Enforcement." "Peace Enforcement" is exercising the military power in order to oblige the countries concerned with the disputes to approve the agreements. This method doesn't give the benefits to the countries. Then "Problem Solving-Approach" is needed. This is the idea that it is the most important "intervention" of outsiders to develop solving disputes by making both adversaries do joint work. "Compulsion" of outsiders does not exist in this idea. This is the ideal method of solving when disputes occurred.

Requirement of restraining and solving disputes is "Observation System." In order not to cause disputes, every country must observe each other. In addition, in order to solve disputes, "Observation System" is needed. Then we should create a new organization beyond the power of United Nations. Today, it is possible that disputes occur under the system of UN. This is why creating a new organization is needed. The difference between a new organization and United Nations is whether they improve human resources. What to do will not change, but "reset" is important. They should go back to the starting point and restart restraining and solving disputes.

In addition, they should pay attention to human resources. In business, when they want to exploit techniques, it is important to improve human resources because it is not machines but humans that exploit the techniques. I think improving human resources is the best way in the new organization. If they improve human resources, the level of people working in the organization will increase. As a result, they can create new methods of restraining and solving disputes. What to do in the organization is restriction of exporting weapons, reinforcement of alliances, doing "Problem Solving-Approach," and creating new methods of restraining and solving disputes. When these things are implemented, "peace" will exist.

The Policy of Energy in Japan
~To the spread of renewable energy~

5307

Most of domestic power in Japan supply with thermal power generation in 2016. Because it receives an explosion accident of Fukushima Daiichi Nuclear Power Station happened in March, 2011, and the safety management of the nuclear power plant was reviewed, and it was forced to an operation stop. I think if it is undesirable to let you run a nuclear power plant unless the safety of the processing of at least spent nuclear fuel and the high standard is found. Therefore I was superior in safety and thought about whether there was not the generation method that was better for environment than thermal power generation. Therefore it is recyclable energy to have arrived. In this study, I investigated what we should do to increase a power supply rate of the recyclable energy.

I researched by Internet. The items are ①The energy circumstance of Japan. ② What is recyclable energy? ③Precedent of the authorities in other countries

①mainstay of Japan's power supply is 42.5% in the LNG-fired, then 27.6% is coal-fired, which is oil-fired thermal power is 18.3%. By the way, renewable energy (excluding hydropower) is 1.6%. In addition, energy self-sufficiency rate is decreased significantly from 58.1% in 1960, but in 1970 became 15.3%, 20.4% in 2000, in 2010 was maintained in the vicinity of 19.9% and 20%. However, affected by the accident of the nuclear power plant in 2011, the year stood at 11.2%, also the lowest level of 6.0 percent and considerably the following year 2012.

② It refers to those which are deemed to be able to permanently use as an energy source. For example, Solar, wind, hydroelectric, geothermal, solar, heat in the atmosphere, and the like biomass. Resources are not exhausted, almost no emission of carbon dioxide.

Fluctuation of oil prices is leading to a destabilization of the energy market, is not affected if renewable energy. It can control global warming. But the costs is high, and it depends on the natural situation. From these disadvantages, the generation costs will be higher than generations currently in use, and it is difficult to supply stability.

Proportion of renewable energy occupying in the power supply (around the world)

Japan 5.1 percent, Germany 20.7 percent, United Kingdom 10.4%, Denmark 50.6%, United States 5.6%.

The saturation level of the solar power generation in Japan is 6.6% in 2014. This percentage is four times higher than that in 2009. The ownership rate of people in their 30s is 11.0%. This percentage is Max. It is 42.7% installed at the time of order house purchase and 15.4% for sale housing, it can be said to be a typical durable consumer goods to purchase at the time of housing acquisition.

③Denmark adopted Small-scale distributed type. Denmark makes small-scale energy facilities in various places, and use various power generation methods.

I suggest two ideas. First, a local self-governing body should construct Mega solar that is a big solar power plant. To construct it, they raise funds to financial institution, private enterprises, and inhabitants. The incomes from power sale are used as a Dividend. Second, Japan Government should make a system to support Low-income earners when they purchase their new houses.

Abstract

In 2015, there are more than 190 countries or communities, and many of them have various features. Using those features, they induce many foreign tourists. So I decided to study that Japan how to induce many foreigners and research the way which other countries do to increase the number of foreign tourist. The goal of this study is to suggest clear-cut ways which Japan should do.

1

These days the word which is called “Cool Japan” is in fashion. It means that many people become fun of Japanese culture again. That phenomenon helps Japan to increase more foreign visitors. Nevertheless this phenomenon, the number of foreigners coming to Japan is over 20 millions, and this number is around 20th largest in the world. From these things I decided to study how we can attract foreigners.

2

Japan's problems as seen from the foreigner's point of view while superimposing the research have emerged. First problem is about language. It is known fact that Japanese are not good at speaking English. Japanese people who can speak English in recent years are on the rise, but still remain small and inconvenient for foreigners. Also, people who can speak languages other than English are less problematic. Language problem often cause trouble between foreigners and local people. Sometimes it leads to environmental destruction and legacy crisis. From this point of view, the solution I think is a brochure. There are pamphlets at any sightseeing spot at the moment, but if you subdivide the contents to be included in it and write down the manner of Japan one by one, the effect will appear somewhat.

Next, about religion. There are many religions all around the world and there are foods that cannot be eaten by it, so I think that you can increase such menus depending on stores. And since you think that it is easy to order even if you do not understand Japanese by attaching photos of cooking to the menu, you should do it.

Finally, in Europe much Japanese culture has not penetrated, few people come to Japan. Therefore, what I would like to propose is to broaden the range of Japanese attraction. Japan has many attractions such as four seasons, diverse nature, traditional culture and Japanese food that became a world heritage. I think it is a good way to appeal that advantage.

3

From these points, Japan should carry out policies that take into account the circumstances of foreign countries, such as foreign language signs, food, and religion.

To think about customers is the most important for us.

The Relation between The Internet and Juvenile Crimes
~Considering from the number of Juvenile Crimes and their contents~

5309

“The internet is harmful for youth”. These days we often see and hear such message on TV programs or radios, posters. Surely, the internet includes harmful information,

So it is sure that some people think the internet is not good for youth to watch. But, can we say it collectively? Are there any evidences which can demonstrate the harm of the internet to youth? There is also a theory that “Using the Internet helps youth to do Juvenile Crime.” Is it true? It is said by some TV programs or posters. I agreed that it has some badness for youth, but on the other hand, I doubt their saying. They seemed to regard the internet collectively bad thing. I’ve studied about “The World and Japan” in high school.

Communicating with foreign countries is needed to be global, and the internet has a great role in it. So I want people who are improving use the internet, a very useful system, proudly. People who are improving means junior high school students and high school students, for example. I usually use the internet at home by my PC, but I don’t think that it is harmful at all. That’s why I study about that the public opinion is true or untrue. I want to against this public opinion by my research.

So, my main theme of this research is
“Is it true that the internet help youth to do Juvenile Crime?”
I studied it by the rate of spread about tools that be connectable to the internet, such as PC or smartphones. And I considered it from the number of Juvenile Crimes and their contents. So at first, I’ll introduce you about the rate of spread of the internet. It was 66.0% in Heisei 16.

It was 82.8% in Heisei 26. So it was increased by 16.8% in 10years.

And the rate of spread of the smartphone among 10~20 agers was 36.7% in Heisei 23, and 68.6% in Heisei 25.

So it was also increased by 31.9% in 2years.

As a result, almost all of people become to be able to use the internet now.

Second, let me tell the number of Juvenile Crimes and their contents.

The number of them was 3.5million in Heisei 10.

However, to make me surprised, it was 2.0million in Heisei 25.

Despite of the spreading of the Internet, the number of Juvenile crimes was decreased by 1.5million in 15years

And saying about the contents of them, there were almost no changes.

These results suggest that there is no relation between using the internet and juvenile crimes. I think there is a possibility that news media such as radio, TV, and newspaper want the news strong impacts, and “Juvenile Crimes” are suitable for them, so we saw “Juvenile Crimes” in the news programs mainly, and we became to think “The internet is harmful for youth.” I want you to understand that it is only my opinion. “People who can’t guess the information is true or untrue should not use the internet” this is famous word often said in the internet. These days, we are in modern society, there are sometimes “untrue” information reported by news media and they effect to our daily lives, so we should have good sight to tell true from untrue.

The Shift in Japanese Architecture
~Consideration in Comparison with Western Housing~

5310

Abstract

These days, the Western house style is popular in Japan. And the Japanese style houses which have tatami, kawara are disappearing. What is making this tendency ? I suggested my ideas by comparing Kawara Tile, Tatami and Brick.

Introduction

Feature of Japanese Architecture

= Kawara Tile = Since Kawaras are pottery which baked at high temperatures, so there is a durability against high temperature. It is also possible to excavate while maintaining a certain shape, this means that they have durability against aging. However, Kawaras go better with one-story houses than those of the West. In addition, one-story house require a large land, has been thought a luxury.

From these things,

=Tatami= They have distinctive features that took in a lot of nature such as tatami. Is it a big problem for Japanese people that such architecture will be obsolete?

Features of Western Architecture

=Brick= Representative characteristics of bricks are economic efficiency, sound insulation, and earthquake resistance. They are the most beneficial characteristics to the Japanese. First, I thought about economic. Modern Japan tends to be declining as a whole due to the subsequent financial crisis. The funds put on the housing decreased due to the influence, and Western architecture might have extended the influence. This is my first idea. Second is sound insulation. The number of nuclear families is increasing in modern Japan, and fewer families have been in close contact with the area for several generations. Therefore, maybe more people choose Western architecture as consideration for those who think children's voice as noise. This is my second idea. Third is earthquake resistance. It goes without saying that this is an appropriate characteristic in Japan called earthquake great country, and the Western architecture spread the influence in Japan. This is my third idea.

Conclusion

From these three views I think that Japan's traditional architectural structure declined due to social change in Japan. As globalization progresses and Western architecture emerges, it will be difficult to stop the momentum of this decline. As Japanese architecture approaches western architecture, it seems that Japanese-style architecture may be gone.

Texting while walking measures suiting Japan
Safety school for reform of consciousness

5311

Overview of study: These days many accidents of Texting while walking (TWW) cause and it is becoming a social problem. It is not only Japanese problem but also world problem. However people don't know this problem. I think that low consciousness that people don't know TWW which is becoming a social problem cause the problem. So I will understand the present situation of TWW and I want to suggest the solution which people know it or people can have high consciousness. I found that accident is likely to happen in station home. There are many solutions in the world. For example establishing a low of TWW, setting up exclusive roads of TWW, burring signals in the road. Measures in Japan are calls at signs and posters, and the applications that each mobile company issues. I thought I try to reference the Measures in the world. However there is no effect, so I suggest the measures which do safety classes and mandate the introduction of applications of each mobile company. Also, I will address the problem of adults and college students.

Introduction: Despite the recent increase in accidents of TWW I think that the citizens don't know the details. I thought that the low consciousness of the people who don't know this problem in the world is a problem, so I suggest measures all citizens can know. This problem is not studied moreover there are few specific solutions. For reference, I know the measures taken in the world.

Main: There are many accidents on TWW. Especially they happened at station. For example people fall to home, hit people of wall. Also there are death accidents. Recently Pokemon GO is popular and it increases the accidents, so company of Pokemon GO takes measures, so I hope to decrease the accidents. I reviewed the measures of TWW in the world. In Japan

- Calling at signs and posters.
- The applications that each mobile company issues.

Overseas: In Germany, there are many accidents of TWW. For that reason, government of German made a signal in the road so that the person who is doing TWW knows it. However, people criticize that they use too much money for that purpose. The effect is unknown. In China, they installed dedicated lane of TWW to prevent a person walking in a smartphone from hitting a person walking normally. However people completely ignore this lane and it doesn't prevent collisions. So there is no effect.

In America, there is a low of TWW. If we do TWW, we must pay \$50 in New Jersey. After the second time, we must pay \$150. (It varies from region to region.) There is effect.

Conclusion: Overseas, we take a lot of measures on the premise of doing TWW. However I don't think it makes sense. Moreover it takes time to make a low, so I think we hold safety classes of TWW. It is important to teach fear of accidents in TWW from childhood. However it is not a measure for adults and college students. Moreover, it can't cover everything by safety classes alone. It is my challenge. In addition, I suggest each of company mandate the introduction of applications of them.

Globalization of Japanese Medical Treatment
-To Make Japanese Medical Treatment Develop-

5312

Recently, I heard a word. The word is “Global”. This word means “The world become wider”. Last year, I studied about Japanese medical facility. And I found some problems. One of the problems is “Globalization of Medical Treatment in Japan” The reason of this problem is “Again Population with a Declining Birthrate”. I think medical treatment for elderly people will develop, but Medical treatment for children will decline in quality.

In the world, there are many children who need medical treatment. In fact, many children were killed by illness which could be able to cure. I think “Globalization of Medical Treatment” is the countries which develop medical treatment supply for the developing county.

I decided this theme because of my study last year. According to my study, I found problem is that Japan doesn’t “Globalization of Medical Treatment” comparing another advanced country. So goal of this study is to find Japan’s role as a country which has the highest level medical skill in the world.

The biggest problem in Japan is “aging society”, “medical cost” and “Globalization of Medical Treatment”. I have some data about aging society from the Statistics Bureau. The date shows us there many people age group in 40’s~60’s and 65~70’s in japan.

Japan has other problem. Japan spends lots of money on medical equipment. Japan is a country which has most “CT” and “MRI”. This equipment costs ten-million to a hundred million to install. That means doctors can offer advanced medical care for patient in Japan. But there are needed many costs to install in hospital. We have to think about the right way how to use the medical cost.

Next, I explain that the successful example of Globalization of medical Treatment. One of the examples is that Shounan cosmetic surgery clinics. This is famous clinic in Japan, and this clinic developed to Korea, Indonesia and so on. This clinic had six years to set up. Examine patients. Globalization of Medical Treatment is really difficult thing.

Next, I researched about the medical organizations action in the world. I focused on two organizations. The name of these is “Doctors without Borders” and “Japan Heart”. “Doctors Without Borders” are helping and healing people without borders especially the conflict area and developed countries. “Japan Heart” is a Japanese NGO, “Japan Heart” trains up young people who study medical. Concretely dispatch them to Cambodia, Laos, and Myanmar and so on. They can have really precious experience and they will become doctor or nurse.

Lastly, I suggested that we should provide Japanese medical skills to countries such as Africa, developed countries. If the plan were to success, Japanese medical skills would spread in the world and could raise medical level of these countries.

This is Globalization of Medical Treatment.

Transplant of Japan
~How to spread in Japan~

5313

It is said that technique of medicine in Japan is top class or study is ahead. But in the field of transplant, the technique isn't worse than other countries; little number of operations is a serious problem in Japan. I advance the study with keeping in mind the way to spread organ transplant in Japan at this study. For example, the number of organ transplant operations in America or European countries is 5 or 6 people a 1000000 people. But in Japan it is 0.05 to 1000000 people. There are some causes of little number of operations. First, the accident after first transplant operation in Japan in 1969. It seemed to be success. But 83 days later, the patient died. Because of the accident

Organ transplant is a medical treatment that connects people who can only treat with transplant and those who can provide organs after death, due to serious illness or accident.

The first heart transplant was performed in Japan in 1968, but the adaptation of the heart provider and transplant of this transplantation became a problem, and it became a factor of stagnated Japanese transplant medical treatment for a long time. Kidney transplantation under cardiac arrest was underway, but heart transplantation requiring donor under brain death was hardly carried out, and liver transplantation was not done except for some. Also, it was one factor that stagnated organ transplantation under brain death, as opposed to a brain-dead transplant theory that brain death was not deemed as death. Later in Japan, the morbidity of transplantation of brain-dead organ has increased, and the Organ Transplant Law was established in 1997. However, organ donation in brain death is "a willing card showing the willingness to provide him" and "family consent" Was required and almost no adaptive donors appeared.

For this reason, it seems that organ transplantation in Japan is delayed compared to overseas. However, in order to solve this situation, the revised organ transplant law (the official name is "Organ Transplant Law") It took effect from 2010, and it is expected that there will be more organ transplants in Japan in the future (from Japan Transplant Society HP)

As mentioned in the overview, images in transplant surgery tend to be bad in Japan. Therefore, in order to improve the image, I think that there is a person who appeals the importance of transplantation or that someone is seeking to provide organs, and I think that we need to feel more familiar.

Rapid Increase in World's Waste
~ Present State, Trends, and the Improvement in Measures ~

5314

Abstract

In the present study, we carried out an investigation about the waste situation in the world. This study is to evoke the awareness of against hazards and the risk that can be directly linked to global warming to people. The goal of this research is that we classify countries all over the world as developed or developing and show the trend that based on data through this paper. We are also going to review the problem we find in the process of the research.

Main subject

First is about developing countries. The point here is that there are many rich natural and the vast land than in developed countries, which represents emissions of general waste tends to below the average of the world. However, though recycling technologies is hardly developed, recycling activity is not being carried out in a number of developing countries. because it is processing the waste was discharged that emissions to incineration is not so even final disposal the amount is often trend was observed. "actual emissions are few, but final disposal is a lot". In the developed countries it tended of developing countries and the reverse. "final disposal is few, but actual emissions are lot" but belong to this category has been its typical is considered to be a state that.

Conclusion

The challenge of each region obtained from here, developed countries reduce emissions itself (human effort is required), developing countries was the result of improving the recycling rate (requires effort or support of technical). As of this time I created paper with respect to the former, it is considered the best of the improvement measures to get to understand people through a description like to point out the risk of an increase in waste. In addition, although it is necessary to the efforts of the technical side with respect to the latter, here as my own improvement plan, we propose a method of recycling of the tile. This is but the contents described in the research paper that I went two years ago, tiles if recycling, more than 95% of the total weight is something that can be used again. The sand and soil that is obtained by crushing the tiles as their applications, are those that sow in outdoor facilities such as farm land and schools. Little role is different depending on the type of tile, soil containing a large amount of nutrients (the developing countries there are many areas that have been used in) as the soil of what was in the raw material is agricultural land, common tile is not the case as sand and gravel It is using. Even in developed countries, tiles many among those discharged is a problem because it is discarded without being recycled, it is possible to reuse most Taking this method.

About the University System of Japan
~A Reform Considering from Comparison with Some Countries~

5315

I found that the university admission rate of Australia is the highest in the world from my research. The rate is about 96%. But the rate of Japan is about 50%. This value is not high as advanced country. One of the reason of that is Australian people have some advantages about money compare with other countries.

I research about Japanese university system from the changes in the rate of Japan. For example, the rate of Japan had increased largely after the World War II. But recently we cannot see such a change, so I also research about Japanese university system from Japanese historical background and comparing with other countries.

At first I gather up some information about the situation of going into university of some other countries, and find differences between Japan and foreign countries by the internet.

Finally I consider the need of going into university and relationship between going into university and economic development of Japan.

I decided the countries to be compared to each OECD countries, because they are in the almost same position with Japan.

This time I summarize the advancement rate of 4 year university.

First of all, in Japan, the university admission rate is 51%, which is a little lower than the OECD average of 62%. It says that Japanese admission to university is difficult, although graduation is easy.

Australia's university admission rate is almost 96%.

Then I summarize my consideration. Why is the Australian university admission rate so high - The cost for going to university is cheaper than Japan.

About Australia, I think that a few people give up on university entrance on economic side. Australian universities are characterized by "high quality". There are 37 public universities and 2 private universities in Australia. Also, Australian universities are basically three-year, they do not cost much for going on to university.

Finally, I looked up the average salary of all over the world. Then I found that the average starting salary in Australia is higher than in major countries.

The university admission rate depends on the educational system of each country. The university entrance rate in Japan is stable at 51%, but it is not high. Japan is inferior compared to Australia, and Japan's GDP ratio is much lower than that of Australia. From this, I think that the university admission rate has a great influence on the development of the country.

How to Decrease the Percentage of Aircraft Accidents
~ To cope with the increased demand for air transport~

5316

Now demand for air transportation is growing by the recent rapid globalization. It is necessary to reduce the aircraft accident rate as one way to support the increase of air transport demands. In developed countries it has declined the point if we make a round trip by aircraft every day for 5500 years; we will meet a time accident. But see the world accident rate. It is not low like developed countries. So now the safety of air transportation is necessary. Therefore, in order to respond to future globalization, so I want to propose solutions of this problem from two points, weather and human errors, which are the main, causes of aircraft accidents.

Accidents have often occurred at takeoff, and landing. And also, the accidents which often occur is that such as aircraft shake, bird strike, incorrect approach, overrun and so on. Moreover, about 50% of accidents are related to turbulence in Japan. Turbulence means 'Rankiryu' in Japanese, and other hectors are human error.

Research results show that many factors are related with aircraft accidents. In order to decrease the aircraft accident rate and respond to the future increase in demand, it is necessary to reduce the percent of accidents caused by turbulence and human factors. First weather factors, now weather information are being shared on PIREP. PIREP is sharing weather reports system also it is used against turbulence. But the problem is we have to share more information widely in the end all over the world. And also 'prevent turbulence accidents system' is being invented. If it's are completed and put on airplanes, that enable pilots to detect and avoid turbulence.

Second for human errors are thought that can't be solved correctly. But I think we can decrease the risk by caring pilot's health. Also pilots are aging so we should train young generation pilot. Especially I think to increase the number of universities that can acquire aircraft licenses. Besides single pilot system with remote control from the ground is good way to reduce the working time per person. Globalization and the development of the world will increase, also more people and things will move faster. So I think that it is necessary to think about future development of air transportation. So we have to respond future demand by using these solutions.

University education that produced a global human resources
~ Think in comparison - with the United States (Harvard University, etc.)~

5317

According to Yukio Yanagisawa who was elected several times to the "Best Teacher", between the students of the University of Tokyo and students of Harvard University, in terms of academic achievement, have no difference. Furthermore, in the time of entrance the level of students of the University of Tokyo is higher than students of Harvard University. What will enhance their motivation?

[College entrance examination system] In addition to the application, academic performance, letters of recommendation, scores of academic proper test (SAT or ACT), essays, interviews, etc., each of the university is to determine the selection from selected entrance examination conditions overall. CEEB asks Educational Testing Service Corporation, America's largest private testing organization to conduct SAT. It not directly related to what students in the United States learned in high school. American University of Test Agency conducts ACT. The test takes place in subjects, English, mathematics, reading comprehension, scientific reasoning. It is intended to measure the outcomes of their having learned in high school. Admission is in September.

[Classes] it takes place in a discussion format. You will be encouraged to remark actively. Students are compelled to submit assignments which look like pile. On average in a single lecture, they read 5 or 6 pieces of paper and books. Sections take place in less than 10 students, and there are assistants who are graduate students. There exists what is called Harvard House.

Students from sophomore to senior have own dormitory. (But freshman live in another dorm.) Competition, battle between a dormitory and another dormitory take place and In each of the house, beyond the boundaries of major, grade, and race, there are undergraduate, graduate students, and professor.

[System of scholarship] For example, the Harvard University, a famous private school, students' parents' income falls below a criteria, fixed fee decided by the school, can take measures so that they have privilege that they don't have to pay school fee any more. Other universities also adopt the system like that.

The University of Tokyo have adopted the course distribution system, (on the basis of the performance in two annual, it determines the majors after two years), but still because America's college students has continued to study for four years, there exist the gap between them. Furthermore, international students are folded only 3% of the total, so this situation cannot bear quite competitive consciousness. This is because most of the universities in Japan adopt spring enrollment. Therefore, at the time of admission, determination the curriculum of the university is not good system, and after they train a wide range that becomes the foundation of students, it is favorable to adopt a system to determine the major along the interests on learned a variety of academic. By doing so, they can make the long sustainable environment to study, and students carefully can think what they want to do on their own. In addition, not only the class of the lecture format, but also incorporating the lessons of the discussion format, can foster human resources that much with the world.

It is often said that using Rubik's cube makes our brain better. For example, we can increase memory and concentration and using Rubik's cubes can prevent dementia, so Rubik's cubes are helpful for our everyday lives. Moreover World Health Organization says that the number of people with dementia has been increasing until now and it will continue to increase from now on. From these reasons I decided to study about that whether it is possible for us to prevent dementia and how to prevent it. After researching about dementia and Rubik's cube's effects, I concluded that using Rubik's can prevent dementia. Also Human beings are influenced by colors, especially, blue. Therefore, I proposed to use the new type of Rubik's cube.

Rubik's cubes can make our brain more actively, so we can use it in our everyday lives such as improving memory and concentration. World Health Organization says that the number of people with dementia has been increasing until now and it will continue to increase from now on, so I decided to study how to prevent dementia by using Rubik's cube. After investigating about dementia, I considered that how to use it more efficient to prevent dementia, I introduced the way to prevent dementia by using Rubik's cubes.

First, I studied about dementia. I found that it is a kind of diseases, which is caused that human brain, gets smaller after human beings lose their cognition faculties. We become dementia because of the bad blood flow of brain. Therefore we have to keep good blood flow of brain to prevent dementia. Second, I studied about the effects of Rubik's cube to human being. I found that it makes our brain more actively. We have to continue thinking while we are playing Rubik's cube, so we are continue using our brain while we are playing it. A lot of energy is needed to use brain, so a lot of blood is flowing to keep our brain working. Lastly, I studied the effect of one of the colors, blue to human being. I found that the color, blue makes good effect on our body. Rubik's cube is composed of six colors, red, orange, yellow, green, white, and blue, so the blue part of Rubik's cube affect our body.

Rubik's cube can provides much blood we need. Therefore I think we can prevent dementia by playing Rubik's cube. I suggest the way to prevent dementia more easily. The way is to make a new type of Rubik' cube, which has more blue parts than normal type. Perhaps it is difficult to make such Rubik's cube but if we complete it, it is very useful for us and we can prevent dementia very easily. Finally, we have to keep our lifestyle good to make blood circulation better to bring out the Rubik's cube effects.

Today Japanese Food self-sufficiency rate is decreasing. It save us use a lot of money for foods.If it continued we will have some troubles when we do diplomatically because we depend on other countries.To solve this issue I`m going to think about the way to increase percentage of food self-sufficiency.

Today Japanese food self-sufficiency rate is less than 40% This rate is the worst in the developed countries only fish we have 55% though we had over 100% before

Sea around Japan has both warm current and cold current.This point is good for fishing. We do not have trouble about amount of resource. But after World War 2 Japanese meal changed to Western, people tend to eat meat because it is delicious and not take so much time to prepare. Lately, both catch of fish and consumption is decreasing .It is half as amount as it was peak. I think the reason of this circumstance is dwindle of fisher. They can't earn steady salary because they work in the nature. It is also dangerous to work in the sea. I searched Canada- the highest food self-sufficiency rate of fish-. government provide low about fishery.

All things considered I think to progress Japanese fishery it is necessary for people to have interest in fishery. I think it is best to use mass media because everyone can watch easily.

Second government should insurance certain money so that fisherman can earn however they can not catch fish. Another reason of decreasing fish consumption is that troublesome preparations. So, selling prepared seafood, young people buy fish more and fishery may be more active

Prospects of University Education in Modern Globalization
~ To Achieve Both Advanced Research and Education ~

5320

Since the end of the Cold War, while the world is being significantly globalized, in Japan, we are beginning to lag in globalization in the impact of the economic downturn after the collapse of the bubble economy. In addition, when it comes to university education, the universities fall into the financial difficulties by the relaxation of installation standards of the university and the low birth rate, and it has become difficult to apply the advanced education.

In order to overcome this situation, there is a need to add value to compete with the world because Japan is more disadvantageous than the English-speaking countries in terms of language. And I think what becomes its core is a Japanese university entrance examination system. In that case, we made it not the current knowledge overemphasis type, but those that can comprehensively evaluate the thinking power, judgment, power of expression.

Additionally, the current problem of university education is increasing of the class of passive lecture format. This is because, even if we attempt to keep the quality of education in more than a certain level, it is difficult to drop out students by grades because of financial difficulties affected by low birth rate.

Therefore, there is an urgent need to improve the financial difficulties of the university. So I proposed to reduce the number of universities as a way to improve the financial difficulties. By gathering students into some universities, we can improve the efficiency of public finance.

Moreover, while we improve the financial difficulties, we should make centralization of teaching, implementation of active teaching or active learning, and the system that give the unit under learning system.

I think it is necessary and essential reform of these points to achieve both of education and research in higher education institutions, which can compete with the world, and determination and execution, that can be carried out it is necessary for Japan which challenges the world.

Studying the characteristics of the balance between parenting and work of the world and Japan, the progress of declining birthrate, and the characteristics of institutions for child rearing support, as women's social advancement advances, Japan with a declining birthrate is working I also explored how to make it a society that is easy for parenting.

Japan with a declining birthrate is becoming a serious problem. There are many causes of the declining birthrate in Japan, but I focused on the advancement of women to society. In order to secure the labor force population, it is difficult for parents to raise children, and the birthrate has been reduced due to the advancement of women to society. As a result, the future labor force population has been decreasing. I am carrying out research aiming to solve this contradiction.

I have decided to consider three major causes for the causes of childbearing due to the advancement of women in society, even among them.

First cause is "Utilizing a system to support existing child development" .There are many cases in which there is no gap between men and women in the company, and there are many women who take a leave of absence and do not welcome the return of a woman who has been absent for a long period of time, For that reason, some women are not forward-looking to produce children.

Second cause is "Sex differences between men and women" .It has been said that there is discrimination between men and women in Japan, and from a long time ago it has been said as "woman must do household and man must earn money" like a spell. We have to get away from this spell, but many mothers are still at the center of housework and childcare. Actually, Japan is much different from other countries in terms of men and women' free time, Day) is 69 minutes, or about half an hour, compared to the average of 141 among OECD countries, and Japanese women spend 257 minutes more than men in housework and childcare. Japanese women are about four times as many as men. Now that women are working, the role of men and women has to change.

Third cause is "Japan's social system that people don't feel like having children"

Japan have to create various systems to make childcare easier, such as obliging companies to guarantee that careers before and after childcare leave are not different. Now, there is a system to support child rearing, but the system to guarantee parents' work is still not enough.

The common thing that comes up as a cause of the problems raised up to now is about the fixed idea of the Japanese people. In other words, changing the consciousness of the Japanese people and breaking down sticky stereotypes is an indispensable thing in making women's child-rearing systems that respond to social advancement.

Policy of the Country Where Scholastic Ability Changed

~The reason that changed and measures~

5322

I decided this theme because I was interested in a newspaper article which is about PISA. There is called PISA or Program for International Student Assessment is OECD or organization for Economic Co-operation and Development precede. It is research on international scholastic ability arrival. It is a learning attainment research. I researched considering PISA date, higher rank countries and the country which scholastic ability goes down is what to do for increasing academic ability. I studied commonalities and differences with the Japanese on learning aspects, characteristics of the country. In 2012, Shanghai is first place in 2 straight times, so Shanghai is the subject of my research, and Korean rank has dropped, so Korea is the subject of my research, too.

<Shanghai>There is "Educational Priority School" which carries out elite education in the suburbs of major cities of China. Shanghai's school hours are the longest city in the world alongside Hong Kong. Shanghai has set up "unusual talent class" in school and offer discriminatory course of studies to students. Shanghai is able to do high level education than other countries and areas because along the shore city such as Shanghai are concentrated the teaching and clerical staff of a school from the whole country. In school, students compete. In addition, Shanghai isn't absolute evaluation like Japan, Shanghai is relative evaluation. In China, they have carry out the one-child policy, so parents can treat their child very well. They have their child study so much.

<Korea> In Korea, a college-going rate is about 80 percent; it is very high that is Korea compare with Japan. The same as Shanghai, the high quality of teachers is also related to the high academic ability of Korea. Teacher employment examination is a great of competition, and someone may try to the teacher employment examination for more than one year, and people who severe selection can pass the exam are able to become teachers.

<Japan>In Japan, education has been reexamined, adopting the questions that plural subjects "synthesis type" and "matching subject type" are included in one question. Based on these reforms, Japanese academic ability is improved, effective use of knowledge in the head, acquiring thinking ability and judgment ability, and expected to increase capable talent. In addition, in Japan, the extent to which the difference in the economic situation and educational environment of the household affects the proficiency level is small, and it is an educational system with high equality in educational institutions.

Shanghai and Korea have longer learning time compared to the whole world, and both have high learning ability. Needless to say, Shanghai's upper class academic ability is high, moreover it is thought that support to lower class is good care, and this is linked to the ranking of PISA.

The Role of Symbols and Signs To Remove Foreigner`s Inconveniences

5323

A lot of foreign tourists visit Japan due to Tokyo Olympic that will be held in 2020, while foreigners have many inconveniences. Therefore, the role of writing become a problem. Japan changed signposts' writing from alphabet to English. By the change, one of the foreigner`s inconveniences was improved, but I thought we could change more earlier and there are still many problems of writing in Japan. We should solve the problems. Accordingly, as a responding to foreigners, I would like to think and suggest the role of writing by using models of foreign countries.

Overall, the number of foreign tourists is on the increase. According to a survey in 2015, The number of foreign tourists increased 63.8% compared with the same period last. Especially, the number of Chinese and Korean increased rapidly. Therefore, Satisfying acceptance environment is need for foreign tourists.

Foreigners have a lot of inconveniences on the point of language. For example, They couldn't know bus's destination because they can't read "kanzi",they couldn't understand announcement in the station and the train because of only Japanese, and they couldn't know what kind of dish because menu weren't written in English.

I asked an exchange student from America about inconveniences in Japan. She said she has a lot of troubles in communication. As I have written, most of foreigners have troubles of language and writing. I focus on the trouble of bus stop's writing.

The writing in Italy attract people's attention because it was written in yellow. It says that "people must help wheelchair user."

Italian people give us attention and information by using symbols. I could learn the symbol's name is " pictogram".

There are many kinds of bus stops. For example, old Koganei town in Ngasaki, there are unique bus stops such as the shape is melon. I thought that there are few people who can notice it is bus stop. Therefore, it is necessary to put pictogram on bus stops.

I thought new bus stop's design. In 2016, transportation adopt English in writing but I thought that it have to adopt Chinese and Korean because of increase of Chinese and Korean tourists.

We should write English, Chinese, and Korean on bus stops in large letters and we should put pictogram on bus stops. Besides, except for these language, we should write local foreign tourist's languages.

I studied mainly about bus stop's design but it can speak not only bus stops but also everything. Therefore, I want to suggest the idea as the role of writing.

I suggested the writing for foreign tourists so far. However now, I suggest writing for foreigners who are living in Japan.

According to findings of the Agency for Cultural Affairs, there are a lot of foreigners who can read "Hiragana" so I thought that I t is necessary for foreigners to show the pronunciation of "Kanji" in small kana letters. By doing this, foreigners will study "Hiragana".

Why Japanese Culture Expand Overseas
~Learning From Japanese Food~

5325

“Cool Japan” is the current culture. It has been in fashion since 2000 and it wins high praise in foreign countries as Japanese original culture. For example, anime, manga, fashion in Shibuya and Harajuku, Japanese food, traditional craft and so on. But, why are cool Japan and Japanese cultures in fashion in foreign countries? Japanese food was registered on UNESCO’s Intangible Cultural Heritage. I study and compare it and American foods. And I researched Japanese food’s advantages.

The present, people in America have the serious problem of obesity. Japanese foods are in fashion because Americans set their eyes on that Japanese foods have high nutritive value, and it’s healthy and delicious. Americans have a staple diet of bread. They eat 3 times of meal in a day. They don’t eat side dishes with bread. Their foods are beans, potato, meat, and so on. They are high calorie and oily. Japanese have a staple diet of rice. They eat 3 times of meal in a day. Japanese people eat side dishes with rice. They are meat, fish, and vegetables and so on. Japanese meals have a lot of kinds of ingredients.

Japanese food won popularity because it is healthy, so it is good for the health and the way of effective diet. Nutrition aspects of Japanese foods are a good balance because Japanese foods have ideal PFC balance, that is Protein, Fat, Carbohydrate. However, foreigners has ruined Japanese foods by adding more oil and too much sauce to Japanese foods, for example, Tabasco sauce on Sushi, white miso sauce and Yuzukosyo on Yuyanyaki, and so on. These tastes are too oily and strong, they prevent foreigners from being healthy.

In addition, I think we should tell it to them. Now ruined Japanese foods are popular young Japanese people. The Japanese lost balance in food. They are eating westernized foods. So, I want to recommend they eat good meals in balance by eating about thirty food items a day. Young Japanese people hold the future of our country in their hands. So I want Japanese young people eat more Japanese traditional healthy food for the future.

Human Behaviors When an Earthquake Strikes
~To Evacuate Safely~

5326

People have been suffered from disasters for a long time, and recently, there are a lot of very big earthquakes in the world. For example, the 2011 Great East Japan Earthquake, the 2016 Kumamoto Earthquake, and 2004 Sumatara earthquake. A lot of people were killed and missing in the accidents. When it comes to the Great East Japan Earthquake, 19,418 have been found dead. And 65% of dead people were over 65 years old. That's why we can expect that elderly people need help when disasters happen. I think young people's conduct is necessary in such situations. However, people feel the same feeling that they don't need to escape from the situation like others.

The purpose of this study is to show how kinds of feelings affect our mind in the accidents. Moreover I suggest the best way to evacuate safety.

According to the Cabinet Office, the Fire Defense Agency, and the Meteorological Agency's research for 870 people who lived in temporary housing in Iwate, Miyagi, Fukushima, the most action is to take refuge as soon as the quake stops, however about 40% of people was not able to take refuge immediately. Therefore it is difficult to move by their decisions.

Disaster Prevention System institute states that majority syncing bias and Normalcy bias comes into play in this kind of situation.

Majority syncing bias is action that you are affected by people around you in the accident. Normalcy bias is action that we grasp the normal or virtual world in spite of the accident.

When tsunami was approaching, many people in that place were stricken with panic. Then, family, or neighbor prompted their refuge.

I understood that many people were stricken with panic, failed to escape, or died even if they think they were OK. Then, I think young people should receive the education learning leaderships, the ability of communication, and calm judgment. In the accidents, people who have leadership may be stricken with panic. So if everyone isn't calm, all may be killed by earthquake or tsunami. I'm sure that someone starts to move, many people automatically move.

Becoming Healthy by Lifelong Sports

~ Considering Realities of Working Time and Leisure Activities in the World ~

5327

Recently, leisure activities of Japanese have regarded as questionable. Leisure activities are very important in the stressful society. There are some reasons why leisure activities are not enriched, but this study place great importance on working hours. This study provides solution to enrich leisure activities by enforcement of lifelong sports, so compared working hours, background of them and executing rate of lifelong sports between Germany and Japan.

First, discussing Japanese situations of leisure activities, it found that the most large proportion is spending own houses with ordinary days, holidays and vacations. Given the situation, it became clear that Japanese are passive in leisure activities. There are six causes. For example, "Negative consciousness for leisure activities" "Long working hours and short free time" "Delay the public correspondence." "Negative consciousness for leisure activities" means tending to mock leisure activities because of regarding labor in surplus. It makes bad surrounding which people can't take leave positively. In the background, negative awareness "Playing is a crime" is formed. This study conducted international comparison of working hours for the second causes "Long working hours and short free time". Japan is the fifteenth place of the longest-working-hour countries. Germany is the second place of the shortest-working-hour countries. It became clear that Germany think "Labor is a crime" in contrast to Japanese and importance and need of leisure exist in the awareness. Moreover the government control working hours by law and work-life balance is prepared. As a result, a German working hour is short and a German leisure activity is enriched. Perhaps awareness of working between Germany and Japan and difference of meaning for leisure affect ways to spend leisure activity time.

Second, lifelong sports, Japanese adult's executing rate of lifelong sports is rising. However Japan doesn't take root comprehensive community sports club and have little sports facilities. In contrast, German executing rate of lifelong sports is the half the number of people who were interviewed play sports once a week. And some people play sports several times a week. Moreover participation rate of sports club is one-third in German nation. Therefore a German sport is richer than Japanese sports. There are many enriched facilities in German. And German government conducted sports policies. In this way, population of enjoying sports increased and connected health promotion. As a result, striving for sports fullness connected leisure fullness.

Japan needs to get shorter working hours and conduct policies for managing work. And Japan has to become a society that people consider that leisure and life is important. Moreover Japan needs to spread comprehensive community sports club like Germany and connect enriched leisure activities.

Regional Activation by Spreading Local Food
The Key to Local Development is “HURUSATO”

5328

In 2013, “Wasyoku”, Japanese traditional food, is registered as World heritage. Then we should take over it to next generation. I focus on “Kyoudoryouri”, country dish among “Wasyoku”. Now we have to consider how to hand down “Kyoudoryouri” with recipe, flavor, and its back ground.

My study provides the way we take over country dish’s flavor and we promote region using country dishes as particular appeal.

According to *Yasuo Tsuzihara*, “*Kyoudoryouri*”, country dish can be defined as home cooking using special product in region and reflecting people’s lives and environment in region. So country dishes can be particular regional appeal and tourist resource.

People in region have already taken over their country dish. There are 4 activities to hand them down. For example, food and nutritional education at school, antenna shop in local, media, and household’s dietary education. We can see the movement people pass down country dishes and its flavor nationwide.

As for educational approach, in Kyoto cooks at a Japanese restaurant corporate with local elementary schools and tell the children how to make Dashi which is basic Japanese cook source, how to judge good ingredient, spirit of reception and local food culture.

People build an antenna stores in large city. By this, they can send information about taste of “Kyoudoryouri”. As for Oita prefecture, an antenna store called “Zarai” is built in Tokyo. The store plays a role as a spot that deliver spirit of reception and local food culture.

As for Ishikawa prefecture, “The Menu of Samurai”, a movie was shown in 2013. It introduced Kanazawa, the capital of Ishikawa’s charm by the many aspects such as its culture, history, Kyoudoryouri, and the dishes.

By investigating these instances, I found we have to spread Kyoudoryouri to the youth and large population.

Therefore I suggest 2 plans

Plan A is holding a K-1 grand prix. The figure of K is come from “Kyoudoryouri”. It is a contest that we choose the most delicious dishes. It is an effective way to spread “Kyoudoryouri” widely. Also, we can get interest from people who come. If people are interested in the dishes, they will come to local shop to eat it. So, positive cycle of local revitalization will be created.

Plan B is making a card game of “Kyoudoryouri” that children can learn “Kyoudoryouri” of their home. it will make positive cycle to educate for children. We have to take over our culture.

Living Together with Artificial Intelligence

~ Essential Function ~

5329

It will be indicative of the development of technology if artificial intelligence plays an active part in order for people to live more comfortably and more conveniently. Japan has made remarkable progress in science and technology. Thanks to it, we can live in comfort. This study focuses on Pepper, an artificial intelligence robot. It is most famous robot in Japan. This study was performed to determine what is needed for Pepper to help people live in more comfort. I examined by Pepper's web site and articles about Pepper.

The biggest feature of Pepper's system aspect is that it has "Emotion Recognition Engine" and "Cloud AI". The emotion recognition engine is a system that recognizes facial expressions of a partner with the camera function built in Pepper and recognizes human emotions from tone of voice. Specifically, it is managed by recognizing normal emotions and great tremors of emotions and sorrows and digitizing them. People are pleased, People understand what is pleasing and saddening by accumulating good things as experiences by the word "thank you" and its intonation. The logic is the same as a child grows up and the separation and judgment ability grows. However, it is difficult for computers to realize it even though it is the same (things that could not be satisfied in the past), and there are plenty of expectations. Since the encounter with humans is infinite, emotions and their expressions exist in myriads, the pattern is infinite. "Cloud AI" is a system to learn autonomous learning by accumulating and analyzing such enormous information in the cloud (such as servers on the Internet). Humans learn experience of other people through books and programs. Also, as many people write to the Internet relatively freely, a huge amount of information is now utilized as 'collective intelligence'. Cloud AI considers data and experiences of other Pepper and Pepper learns numerical values and patterns accumulated by other Peppers through Cloud AI, so the experience is said to "gradually grow". Now, there is no mechanism for Pepper to collect personal information at all. Only text information that converts the conversation into text, numerical values obtained by emotion recognition are sent so that data specifying personal information will not accumulate. BIGLOBE has studied "Consciousness Research of Artificial Intelligence" in May, 2016. According to the results of the questionnaire, 54% of the people expect AI and 28% of the people feel threatened. One of the reasons that they feel threatened is the system error. MMD laboratory has studied "Demands for robots" in Jun, 2014. 54% of the people are required crime prevention to robots. These studies show artificial intelligence robots need to communicate with people and protect personal information from the threat of crime. Protecting the robots themselves from hijacking damage, it means to protect human's personal information. Currently, more than 500 companies are introducing Pepper. There should be no leakage of personal information. If Pepper leaks companies' important data such as customers' information, it would become unclear who has responsibility. In order to prevent such a situation, it is important not to let Pepper have personal information as much as possible.

The future artificial intelligence robots will be required communicating with human beings, protecting personal information from the threat of crime.

To Revitalize Therapeutic Systems for Medical Equipment in Japan
~ Comparing Japan with Western Countries' Techniques ~

5330

I am interested in medical engineering, so I wanted to know about medical device development and I started this research. The Japanese government concentrates on revitalization of the medical equipment industry in Japan, because the market of medical equipment expands more and more in the world. However, the Japanese medical equipment industry has slowed down behind the Western countries various points. I did this research to think the solution by comparing Japanese technique with the western countries, one in terms of development, talent training and medicine-engineering collaboration in the area of development of therapeutic medical equipment.

I studied obstacles Japan is facing. First, I understand one of the causes is long time of the pharmaceutical approval process review. It is difficult to obtain pharmaceutical approval from the government, and different conditions are required in pharmaceutical approval, compared with the western countries' systems. Japan has many complaints from medical companies about the Japanese therapeutic systems. Medical equipment is always compared with the western countries. Therefore, I believe that it is necessary to incorporate Western ideas of new pharmaceutical approval process well with current Japanese way of thinking about pharmaceutical approval. There is a problem that medical device manufacturers are uncooperative with respect to the development of therapeutic medical devices. The reason for this is that therapeutic medical devices are at high risk. I suggest that we make protection system which protect not only the medical equipment manufacturers but also the patients. Why do we need to protect the patients as well? The reason is that there are cases in which medical errors happen due to the medical equipment.

Some university and facilities such as Graduate School of Medicine and Medical engineering and Faculty of Medicine in Osaka University, The University of Tokyo and Tohoku University cooperate and innovate a new way of Stanford Biodesign Program called Japan Biodesign. This program has achieved good results in the U.S. So I suggest spreading this program and I hope the various people involved will be able to join or cooperate with each other. I think the problem of medical-engineering cooperation will be solved if this program will be able to take root in Japan.

To Eliminate the Science Phobia from Japanese Student
~Proposal for Teaching Method in the Present State of the Science~

5331

These days, “science phobia”, the phenomenon that the young don’t have interest in science, is regarded as problem in Japan. According to literature research and analysis of the survey results of the students and teachers, one of the causes of science phobia is the education from junior high school, from when the content becomes difficult.

I found that it is possible to enhance the interest in science of students by devising a lesson form of school. Therefore, I divided the time as follows;

- (1) Before enter the elementary school ~ the lower grades of elementary school
- (2) During elementary school
- (3) During junior high school
- (4) During high school

Then, I proposed the education method of each stage.

I used “Survey on national academic ability and learning situation”, questionnaire for Chuo Secondary School students, and “Survey on science teacher in junior high school in Japan” as references.

I think we can raise the “Ability to consider by reading the results of experiments and observations” by let them write reports through experimentation and observation. It is the ability which Japanese students feel it as a weak point. I also suggest introduce “Active Learning” in the class when children become (4) stage. At this stage, the rate of children who like science decreases. If teachers introduce “Active Learning”, children’s ability to think on their own will rise. In high school, however, there is a problem that the time of the lesson is not enough to carry out “Active Learning”. As the solution of this, I propose that elementary school students should experience various scientific phenomena through play to make it easier to understand in subsequent science learning.

Conclusion

To the problem of science phobia, which Japan is facing to, I suggest that elementary school students or under should experience various scientific phenomena through play to make it easier to understand in subsequent science learning. Through this, I think we can extinguish science phobia.

The eating habits of Japanese and lifestyle-related illnesses

～Think from obese and western food～

5332

According to the 2011 data of the "Number of Patients Survey" conducted by the Ministry of Health, Labor and Welfare every three years, the number of patients with lifestyle diseases is higher than that in 2008, the number of patients such as hypertension, diabetes, hyperlipidemia is large Increase. The causes include diet, exercise, drinking, smoking, sleeping, stress and so on. And to prevent lifestyle diseases, everyday life improvement is necessary. I study about meals among them. Reasons for the increase in the number of lifestyle diseases patients are snacking, lunar eclipse, Western food, unbalanced diet, etc. However, we can propose concrete improvement measures to suggest solution, Western food, study on healthy diet. In order to improve these, we will investigate the country with the highest obesity rate and the country where Westernization is advanced and propose Japanese healthy diet.

The method of research uses the Internet to examine Japanese dietary habits and compare it with the proportion of eating habits and lifestyle diseases patients in the countries where Western foods are advanced. Look at countries with high and low obesity rates and think about how to reduce obesity rate and obesity rate.

As a measure currently being done by Japan, there is "Japan Health 21" aimed at extending healthy life span. In addition, "specific health examination" and "specific health guidance" are carried out as prevention / measures of metabolism. However, there are problems such as whether standards and penalties are appropriate or not.

After the war, as wheat came in Japan, Westernization advanced. As Western food generally has a strong taste and many of it has a taste firmly, it means that it consumes a lot of calories and it tends to become a lifestyle disease.

Bangladesh in the obesity rate ranking is 1.1%.The fact that many of Bangladesh's dishes contain spices that encourage digestion promotion is also to prevent nature and obesity.

In conclusion, it is necessary to improve lifestyle disease countermeasure currently being done by Japan, to refrain from importing, and to make ingenuity like each one like Bangladesh.

Problems of Pension in Japan
~Considering from Comparison with Sweden~

5401

I believe that we can make Japanese economy better if we can solve the problem of Japanese pension system which lost people's credit because we have been put off a drastic reform even though Japan has much debt and it is increasing. In order to research what we should do and consider how to reform current pension system in the future, I conducted study on this theme.

First, I researched present situation of Japan. The purpose of pension system is to prepare for the risk that ability to earn becomes low. Money for it is covered by young people's premium. Under the aging society, this system will go bankrupt because young population is decreasing. But the government doesn't cope with this problem.

Also, money is invested in several financial products, but in the recession times, money may be lost by investment. In order to avoid such problems, some countries never invest money for pensions.

Next, I researched Swedish pension system as one of examples of foreign countries' pension systems. Sweden is said that the country with developed social security system. For example, consumption tax in Sweden is 25% in principle, and people can receive many services for free with receiving enough pensions. Sweden provides "high benefits for high burden." They feel that their life is supported by such services and money, so they trust the country. As a result, it makes virtuous cycle, contrary to Japan.

However, Swedish system is awful some decades ago. Sweden fell into an economic crisis in 1990s, so pension financing became bad. In 1999, the government decided to reform pension system drastically. Before reforming, it had two-layer structure for all people like Japanese one: one is basic pension, and the other is income-related-pension. After reforming, poor people still receive income-related-pension and guaranteed minimum pension, while the other people receive only the former one. The system was simplified by new system. Also, lifetime income and amount of pension became to relate more deeply, and will to work of working generation was increased. Moreover, both pension systems, pay-as-you-go pension and funded pension, are used to offset their demerits.

I learned about the pension system of Sweden, but I believe it is difficult to adopt this system to Japan directly because scale of economy and population is very different from those of Sweden. However, I think we can adopt it when a little change is done.

I think that animation is one of the Japanese cultures. Japan is also called the world of animation from the world. And Japan's animation has received high praise. Globalization is progressing all around the world. It makes that people, goods and money move very easily. From that influence, it became also popular for exchange between foreign cultures and their own cultures. However, the graph of price of program export is flat. I'm going to research for the source of this problem and solution.

As a result of examining, I understood how much Japanese animation is being evaluated abroad. The animations which are made in Japan account for 60 percent of broadcasted all over the world. Moreover the animation event was held in foreign countries. So, Japanese animation has a lot of population all over the world.

I'm going to explain about the three problems.

First, Japan doesn't have enough skills or experiences to make animations which export to foreign countries. Other countries are distinction the animation by the target ages. But Japanese animation doesn't have defined distinction. So, foreign countries will think hard to decide to the time of broadcasting Japanese animation. Japanese animation is cumbersome for other countries. Moreover, Japanese cultures have a lot of difference to compare with other countries. So, it is hard to receive the Japanese animation by cultural differences.

Second, animation is uploaded illegally. We can get the movies or songs easily not to pay the money, because the data of animations or songs are located on the internet. So, we don't have to buy the DVD to watch movies. And The DVD sales are fall.

Third, to make the animation cost a lot of money. We should prepare for about 10 million yen to 20 million yen to make the new animation. Japan can't get subsidy to make animations. But, Korea or France can get subsidy when they make the animations. So, the producer has to have a big burden to make the animations. To make new or minor animation is difficult.

I'm going to suggest the two solutions to solve these problems.

The first one is to mimic the way of selling in Korea. Korea is good at making animations which are suitable in foreign countries. I think that Japanese animations are received various countries by to make animation such as Korean.

The second is to cooperate with foreign countries to make animations. We don't have to worry about the money. Because several foreign countries support making the animations. Moreover, we can get the right to broadcast easily. From now on it is important to make the animation with foreign countries.

Of course, I'm afraid to it destroy advantages of Japanese animations. So, I'm going to research for it and the problem of uploaded illegally. Finally, I want to suggest the effort to increase earning of DVD.

1 Introduction

Selling digital music has replaced CD and improved rapidly, because Smartphone and Digital music player has come into wide use all over the world. Especially music streaming service that plays music via the Internet became very popular recently. The numbers of streaming service users is increasing now. So, I focused about streaming service in this study. First, I found problem and thought solution. And then, I made suggestion plan that is profitable for both of artist and audience.

2 The Main Discourses

Recently music streaming service and music downloading service has replaced CD and improved rapidly. Especially, Streaming service will become more popular. According to trend of consumption that was announced by the Japanese Cabinet Office in 2016, a smartphone diffusion rate is 67.4% per a household. (This rate is 6.8% increase from the previous year.) So smartphones will come into use more. So I think streaming service will become more popular. In fact, in the U.S, the income of digital music is more than that of CD and analog record. When it coming to music streaming service, Artists need to be listened music 137 times to get income that is same as one downloading. The income of CD has decrease now, so this fact is serious problem for artists. So I focused "High-Resolution Audio". We can get the feeling of being at a live performance that we can't feel by listening CD. This High-Resolution Audio has been paid attention now. And in recent years many smartphones and smartphone devices compatible with the reproduction of the High-Resolution Audio source have appeared. And in the era when many users can enjoy High-Resolution Audio

3 Conclusions

I made suggestion that to subdivide streaming service into three plans. First plan is free plan that give us an opportunity to meet or find music. Second one is flat fee plan that can play music just as you like at normal sound quality. Third one is charge plan that we can download High-Resolution Audio. In the free plan, I think that it is necessary to apply inferior restrictions on paid plans, such as setting a time limit, making it of low-temperature quality. In the flat fee plan, it should be able to respond with basically the same thing as the current music streaming service.

High-Resolution Audio has large volume of date, so it can decrease a number of illegal downloading from illegal low speed uploader. I think clarifying the criteria and branding "High-Resolution Audio", more people can be interested in especially who were not interested in high quality music until now. And then artist will get equivalent income of CD.

The way how Japanese become an Olympic champion
~ From the view point of the way to discover new talents~

5404

To get more medals for exhibiting Japan's national power, I came up with two solutions. One is the way how we use Japan's land. I said that the number of competitive player in Japan is much smaller than that in US. So we need to come up with a sensitive solution

Furthermore, what I think is necessary in order to acquire more medals is event sorting. In respect of physical aspect, Japanese who tend to be short reach. I think it will be handicap. In sports where basketball, tennis, volleyball and the like tend to have advantageous high-ranking players, the difference will appear clearly. From that point on, we will also look at minor sports and think about choosing the sports that match the Japanese.

According to the Statistic Bureau at Ministry of Internal Affairs and Communications, The population of Japanese is about 127 million in 2016. But, Only 14 million people who are around 25 can exhibit their talents adequately if it is right that the strength of cells is directly related with the strength of body. The number of people matching to the condition is about 55 million in the US. So if Japanese want to keep up its competitiveness in the sports department. We need to come up with an ingenious sensitive solution and put up into practice for the Olympic in Tokyo in 2020. I have two solutions for this. First, we can change the way how to use the small land. We have not used our land effectively due to contemporary Japanese club system.

Second, we need to play different sports. We can't play various sports because there are only famous sports club like tennis, soccer, baseball in the school. Our good talents for lesser-known sports would not work in Japan's current compulsory education system. We have to play sports which we can win in the Olympic.

, I can conclude that we should concentrate clubs which is held in suburb. It is because they are not effective in aspect of a financial problem.

Moreover we cannot use Japan's small land in the way going on now. If we concentrate them, we can concentrate more money and we can held sports which couldn't hold because it was not as famous as someone could hold it privately

, If the followed suggestion is over, we can play the sorted events more easily because we can hold those events in the central of the city if we concentrate them from suburb.

In order to acquire practical English
~Through other methods of English teaching~

5405

In the present global society, English is essential which can be said the only official language in the world. However the level of English of Japanese is low even in Asia.

In this study, I suggest the better way of English teaching for Japanese people by comparing with other ways in order to get out of the situation.

First, I compared the methods of English teaching of Japan with Korea and China which are deeply related to Japan. (in the data of TOEFL in 2013 announced by ETS, Japan was 26th, Korea was 6th and China was 20th in 31 countries in Asia) Consequently, I considered the problems of Japanese English teaching are following things. First problem is the delay of the start of English teaching. Japan starts English teaching in the 5th grade, whereas Korea and China starts it in the first grade. The second one is the lack of chances to experience the sound or sentences spoken in the home of English, which was caused by much use of Japanese in English classes. The last one is that Japanese people take priority over the entrance exams of universities.

In order to solve these problems I searched for the good methods used now.

In Kanazawa city, they started English teaching in the first grade since 1996 and they set 140 English lessons per year in junior high school although the standard of that in Japan is 105. They also have supplementary lessons for transfer students.

In Holland, almost all the peoples of whom can speak English as well as their mother tongue, they adopt the ways combined with the latest methods associated with the movements of brains in early stage. And they moved the start of English teaching from 7 years to 5 years in 2012, on account of the view that brain cells are built in childhoods and they decrease as they grow, so children should start to learn English in the terms in which brain cells are the most active. In elementary schools, they don't learn grammar at all, but they read the textbooks aloud many and many a time at the proper speed for their level. It stimulates brains rhythmically, and children can understand English easily. In junior high and high schools, they learn grammar, too. Nothing is meaningless unless children get interest in English, so they learn grammar as theoretically evidences after they get able to speak it.

Referring to above-mentioned examples, I considered the better way of English teaching for Japanese people. According to the comparison of English teaching of Japan, China, and Korea I found two Japanese one's problems, the delay of the start of English teaching and the lack of chances to experience the sound or sentences spoken in the home of English. Accordingly I suggest two things. The first one is to move the start of English teaching to the first grade. The second one is to introduce practical English such as oral reading or conversation. It will make children feel English closer. Furthermore, by not only moving the start of English teaching but cooperating between elementary schools and high schools, their study will go smoothly.

Extinction of animal causes not only disturbance of the ecosystem and lack of food, but also disappearance of chance to help people. Now, most of medicine is made from the matter in plants and animals, so any animals have a chance to help people from illness. I want to present two solutions to prevent extinction of animal. First solution is application of environmental group. Second solution is to use cloning technology.

The influences by extinction of animal are to cause disturbance of the ecosystem and lack of food and to stop development of medicine. Actually, there are many medicine made from the matter in plants and animals. If extinction of animal is caused, the medicine which we can use will reduce. I think we should protect the animals and, develop the cloning technology to protect animals.

Do you know World Wildlife Fund? WWF works conservation the natural environment. By the activity to create Sustainable Development, they sell the eco-friendly products. By the activity to protect wild animals, they secure the habitat of the animals and prevent trading of illegal animals. By the activity to protect ocean and forest, they plant trees and protect marine resources. It is difficult that we prevent extinction of animal instantly. However we can help the group by joining environmental group, raising funds, and to reduce garbage. However, there are animals which cannot escape from extinction regardless our effort. If they have matters which help people, what can we do?

I wonder that we can get the animals which became extinct to revive. Do you know the story of frozen mammoths? Usually, half the DNA information died within 500 years, so we cannot almost restoration. However, the frozen mammoths are different. Their DNA information which have been frozen rapidly and were freezing until today remain completely shape. In other words, we can get DNA information which the animals that lived in about 4000000 or 10000 years ago had. There are many people who remember that news about development of cloned mammoth. It does not success yet, however George Church in Harvard University could reproduce 14 genes and replace the DNA of elephant with the DNA of mammoth. In addition, the technology which is called CRISPR/Cas9 was invented. It repairs the injured gene. Besides, in Institute of Physical and Chemical Research, could take out the nucleus from dying cells and make a mouse clone which has been frozen for 16 years. There are already frozen zoos which keep the genetic material for instance DNA, sperm, eggs, and embryo cell. They keep there in low temperature for long years. Now, we aim to revival the extinct species whole the world. However, the development the clone has a success rate of very low. In addition, frozen nucleus is injured and the work made all the more difficult. And, if we can make clone, the lifespan is short. What is more, the worry that can we adopt the clone for ecosystem has left. However I hope that the technology will help the whole earth and us.

Today, the number of tourists has increased suddenly by registration of World Heritage in World Natural Heritage Site. This sudden increase of tourists has effects on local economy, for example revitalization of a local economy and community, but, at the same time, it may have bad influence on World Natural Heritage Site such as noise pollution and increase of tourists who dump garbage. These may destroy the natural environment of World Natural Heritage Site. So I want to focus on the problems which are come up in World Natural Heritage Site. First, I investigated actual circumstances of Yaku Island and The Shirakami mountains. Yaku Island is popular sightseeing site, where hundreds of thousands of people visit. In Yaku Island, Tourism Industry has become one of the most important sources of revenue. The number of tourists who visit Yaku Island increased suddenly in between 2000 and 2010, because it was registered of World Natural Heritage Site. There are some problems which are caused by increase of visitors. Above all, the problem which is happened around restroom is serious. After many people use the restroom, there is toilet paper littered around the restroom and, what is worse, colon bacilli, may have a harmful effect on ecosystem, was detected around the restroom. I found two solutions to this problem. First, we should require visitors to pay a fee when they enter the mountain. Second, we should not use a restroom located in mountains. We use a portable toilet instead of restroom.

In The Shirakami Mountains, a point that is most taken into consideration is environmental protection. For instance, a law prohibits visitors from entering into a part of area which is important as a valuable nature in The Shirakami Mountains. As a result of this effort, there is no damage to nature from human beings in there.

Then, I analyze problems of each of them and find solutions. First, we should establish a law to prohibit visitors from entering into a part of area. In addition, we regard the area which is popular among visitors as a sightseeing site and use it for hiking. While we regard unpopular area for sightseeing as a protected area and we should limit the number of visitors. Second, we should promote to use a portable toilet. If we use a portable toilet, we can reduce maintenance cost of restroom and lighten bad influence on nature. Although the system using portable toilet has been already used since a few years ago in Yaku-Island, it is not perfect. So we need to improve the quality of it.

Preventing Aircraft Accidents
~Countermeasure for Turbulences~

5408

In recent years, the use of passenger plane for business or sightseeing is gradually increasing as the globalization. However, we think that the number of airplane accidents will be also going to increase. To solve this situation, each country, including Japan, initiated to research “Doppler Lidar”. This is a device which can detect CAT, This is my opinion, thinking from a technological viewpoint, I studied about the way protecting these accidents which occur as a globalization. I investigated a change in aircraft upset accidents. So I investigated the factors related with these accidents and I found that “turbulence” has a major influence on them. Turbulence is one of the most dangerous factors which prevent from safe flying. There are many types in it. For example, some are with developed thunderhead and others are in fair weather which is called Clear Air Turbulence called CAT. CAT account for about 40 percent and turbulence with cloud account for 20 percent on the date of weather situation when the accident happened. Then, I selected CAT and turbulence in developed thunderhead as object of researching.

Explaining about the CAT, this happen when the sky is fair weather. I’ve already mentioned it as above. Generally, weather radar is installed in airplane and it makes possible to detect turbulence in thunderhead. However, it doesn’t work to the other turbulences which have no clouds around them. So a lot of countries or institutions are researching detector which cope with CAT. From now, I’ll talk about state in Japan.

In Japan, JAXA, what is called Japan Aerospace Exploration Agency, is especially studying willingly. This institution is carrying out a new project “Safe Avio”, whose purpose is to invent the Doppler Lidar set up to aircraft and to demonstrate the system that provide pilot with the information about occurring turbulences. Doppler Lidar is a device which can detect the turbulences by irradiating a laser at the aerosol and receive scattering of light. The aerosol is dust and drop of water floating atmosphere. It is too difficult to improve function and miniaturize size of the device. It seems that it’s possible to use Doppler Lidar only at low altitude, but at high altitude, the use is impossible and researchers think about how to improve device functions which detect aerosol. Then JAXA decided to carry out collaborative development for three years with Boeing in 2010. The purpose of this cooperation is “ making rider set up in the airplane”, based in this items, they ran the project for reliability, durability and high function.

Consider from technological point, it is essential to cooperate with other countries to develop detecting ability of the device. Many airplanes are flying across the country and accidents happen all over the world. Then I suggest that JAXA or other technical research institutions should cooperate with not only companies but also with universities who are positive to research. Airplane manufacturer, like Boeing or Airbus, tend to give priority to make profits and it will be difficult to contract with a lot of cooperation. But in the case of university, connection with business is thought to be shallow. So it will be easier to cooperate.

I would like to research how to improve Japanese environment by house. I think we should spread zero-energy-house in Japan. Zero-energy-house is the house which sunlight can protect energy is equal the house consume energy. Germany is the country that spread the zero-energy-house. Germany are faced with environmental problem, but, Most of Japanese buy the house from point of view of the house cost. They should understand that if they buy cheap house, they must spend more high money in the end. Heat insulation decides the cost of house. Low cost house cannot have the high quality heat house, so inside air escape to outside. Therefore, you must use air conditioner for a long time. At result, you have to spend much more money than you buy the high cost house. But so many Japanese do not this fact, so I think that I should spread this fact. In 2011, March 11. It is a day when must not forget as Japanese. A lot of Japanese were suffered the damage by Japan east earthquake. After happening it, a nuclear power plant arises as a big problem. The controversies about that are often held everywhere, but I think they have no fundamental effect to solve them. I what to be an architect in the future. so I will begin to think about environmental problems in the view of the houses, which are the closest to us.

Air conditioners are the typical objects which make the environment worse in the house. Using air-conditioners too much is current big issue. In order to solve this issue, I will try to promote zero energy houses. Zero energy houses are the building with energies of production and consumption in equal, that is, zero. From my research I found that zero energy houses have already spread all over the world. Among those countries Germany is a leading country of environmental conservation. In Germany a few decades ago people tried to reduce the amount of rubbish. Also they carried their own shopping bags to the supermarket, I found the country ideal. Needless to say of Ukraine, where the nuclear power plant exploded by the earthquake.

Germany made a wise decision, zero energy houses. I was impressed with the policy of Germany. We Japanese should take advantage of the German wisdom. Otherwise the nature will revenge such as a heavy ruin or drought. First, we should spread correct thinking about the houses. so, it is important for Japanese to understand importance of buying high quality house. If we can do that, we will be able to spread zero-energy- house like Germany. Then I would like to research about the houses which are good for environment, and I would like to produce the house which can exist with nature.

HOW TO BECOME POPULAR CARBON OFFSETS

~Aim For Social Understanding And Widespread~

5410

Today global warming spreading on a global scale is still progressing and become more seriously day by day. In this study, I focused on "Carbon Offsets" through the way for solving many environmental problems. "Carbon Offsets" helps the supports of some organizations of protecting our environment, realizing a "low-carbon society" and improving our interest about environment problems. However, we have an issue that few people know this movement. Most people don't recognize this "Carbon Offsets" perfectly. It is a big problem for us. However, turning the eyes to other countries, this acting is already spread. So japan fall behind the times about that. We should break this situation quickly and spread "Carbon Offsets".

About level of the recognition in japan, according to Carbon Offset Report (H26 Ministry of the Environment), interviewing investigation(March ~ December 2014) shows that people who have high interested in environment know it commonly, but people who don't have interest do not know it. So we should try to spread it to the common.

Why degree of investigation is lower in japan? First, it is an influence of Great East Japan Earthquake. Actually, Japanese government aimed for spreading it since H19. After a few years, Great East Japan Earthquake occurred. It broke this aiming at the moment. Second, in my opinion, there are so many other efforts in japan. Those may cause troubles because those are so complicated to understand and practice.

I think it important to offer information on a large scale at public places or transportation where many people are coming and going like stations and airports. I think that firstly we have to do a large-scale advertising for spreading that knowledge in Japan. It is effective to advertise at public transportation putting up posters and using media like TV, radio or newspaper.

Posting posters is one of the good ways. When people are waiting trains or walking, most people may see them. So they can be expected the impact of advertising in a short time.

we should also put knowledge into actions, I suggest a reinforcement of the cooperation with residents' association. However, when people do so, there are some problems, for example, it is not easy for municipality to participate and some local governments are not interested in it. So, I focus on each resident's associations from municipality. And I make a place where it is close to our life a starting point. By doing so, we have a great opportunity to contact with Carbon Offset and we can participate in it with no resistance. we should aggressively implement improvement activities in all the places of Japan, especially we should act that in local community as local government guides residents how to do that. Then we can spread that all over the japan.

FOR REALIZATION OF NEW PHYSICAL THERAPIST

~To live more comfortable~

5411

These days, Population of PT is increasing in Japan. But hospital is limited. Future PT might not work there. According to them, I think PT will have to work many places to work all PT. So in this essay, I think how and where to work taking foreign country into account and to look for the issue.

Elderly people's population is increasing in Japan. And PT is working in Long-Term Care Health Facilities. But PT cannot work alone. They need doctor's direction. In America, They have two jobs like PT (Physical Therapist) and PTA (Physical Therapist Assistant). PT gives us diagnoses. But PTA cannot give diagnosis. If we want to be a PT in America, we have to graduate from graduate school. And we must get doctoral dissertation. But if we want to be a PTA, we don't have to get doctoral dissertation. In Japan, They have only one job "PT". It is not same job between Japanese and American. If we want to be a PT in Japan, we have to take a national examination.

The Japanese population is rapidly aging. And PT may help care service. In nursing home, there work doctors, nurses and more. Under their directions, PT can work in nursing home. In America, PT has doctor's degree. This is because American PT has more authority than Japanese. Japanese PT should get a doctor's degree. If they get it, they get more authority. But we have a problem. If we want to get doctor's degree in Japan, we have to graduate from graduate school. So we must go to university for six years. To study in university costs a lot of money and lot of time. And in Japan, we have to take a national examination and we have to get a PT's license for being PT. But for that license, we cannot diagnose patient. We need diagnosis from doctor. So if Japanese PT has more authority, government has to change PT's license. The issue of us is doctor's degree and PT's License. If these problems are solution, Japanese PT has more authority. But we have some problems. In Japan, to study in university needs a lot of money. And we can study in there for only four years. People who do not have enough money are difficult to study enough and we do not have enough time.

Think about media literacy and the way to utilize much information using search words

5412

The purpose of this study is to utilize “Big data” and to search trend of public opinion. I collected the information about top 10 which were searched by “yahoo daily”

And also I classify the information in order to know trend of public opinion.

First, I have a question about how many people can use the internet.

If we use the internet a little, this study cannot be trusted.

According to the page of “情報通信白書” which is written in 2015 by Ministry of Internal Affairs and Communications, 70% of the people can use the internet in 2004. Moreover, 90% of the people can use the internet in 2014.

So you can understand how much this study can be trusted.

Second, I had collected the information about top 10 which was searched by “yahoo daily” for August, 2013 to March, 2014. And also I classify the information in some groups.

As a result, I know the following four facts.

1. We tend to search about a heavenly body.
2. We tend to search about sports which are related in Japan.
3. We tend to search about someone (actor, actress, comedian, and so on) constantly.
4. We tend to search top news on the internet a lot.

There is a fact that we tend to search top news on the internet a lot. That is to say, we are affected by top news easily. As a result, writers make the title of news too much sensational, and make the contents of the news dramatize. They confuse us with quantity, the title, and contents of their making news.

I consent to this facts because I interviewed Hideki Nakagawa, who is professor of Nihon University, about the problem both too strong the title of articles and too criticism the news.

Then he told me about “yellow journalism” and told us the mechanism about these problems based on the one.

Yellow journalism is the way of thinking that there are a 40% people who have their opinions about news, and other 60 % don't have their opinions, so writers can earn money only to write sensationally news for 60% people.

Mr. Ito, the chief editor says “surprisingly, the news which is most read in 2012 is causing scandal of announcer. Does the news need reading for many people? No, it doesn't.

As the title and contents of the news become more and more sensational, we read more.”

This is the example of Yellow journalism in Japan.

Like this case, most of newspapers companies and internet news service tend to be capitalism and commercialism. So, what I want to say is that we should change this system. And finally, we should have the ability of media literacy.

In my opinion, it is good for us to divide the facts and feeling of the writers of the news. If we get this ability, we should be a person to collect information properly.

“The Future of Space Exploration”
—— How Japan Should Perform Space Exploration? ——

5413

Space exploration is still new development and new industry. Thus I thought I wanted to consider how Japan performs space exploration, competing with other countries and cooperating with other nations. Therefore I put it my research's purpose: to consider and display the best way of space exploration for Japan. By revealing the current situation of space exploration both in the world and in Japan based on researching literatures, I considered how we should perform space exploration.

Global satellite industry revenues have been increasing, especially from 2005 to 2008 it had been increasing by over 15% per year, but its growth rate has been a tendency to drop in the peak in 2006.

Since JAXA is a national research and development agency, a capital fund of JAXA is national budget. In fact, budget of JAXA is now decreasing. While public investment in space in whole world in 2010 was twice as much as that in 2000, budget of JAXA had been reduced by 85%. It may cause JAXA to be stretched the disparity by other developed countries and to be reduced it by developing countries. Moreover, JAXA's budget is much less than the other space organizations; budget of ESA is 4.2 times as large as that of JAXA, NASA's is 13.7 times as large as that of JAXA. 'Basic Plan for Space Policy' (Cabinet Office, 2016) indicates that the future space exploration in Japan is going to put an important point on national security, launching satellites such as information-gathering satellites, weather observation satellites, disaster surveillance satellites, communication and broadcast satellites. This implies that JAXA will be delayed in planetary exploration by other developed countries. According to 'A Comparative Study on Space Technology in the World (2015)' (CRDS, 2016), when they compare space technology of seven space exploration developed countries and regions, space technology of Japan is the fourth. It is much lower than that of the U.S., higher than that of China and that of India, which are Asian countries just raising space explorations. However the difference between Japan and China is pretty small. Considering of the economic growth of China, it must be a matter of time that Japan is overtaken in a technique by China.

ISECG, an organization which promotes cooperation of space agencies, publishes 'The Global Exploration Roadmap' that shows the common goal among the 14 space agencies: sending humans to Mars.

Based on these factors, I proposed six plans to develop Japan's space exploration. The first one is reduction in the costs of spacecraft such as launch vehicles or space probes and of launching services: it needs higher cost with Japan than any other developed countries now. The second is promotion of international cooperation: it helps them to save money and to share our technology. It may be also an opportunity to show their high technology to other countries. Third, government should increase the space development-related budget; it is a waste to invest in the national security. Forth, they had better do only unmanned exploration based on 'The Global Exploration Roadmap'; it is difficult for them to develop technology of manned flight newly with little money. Fifth, they should promote entrance into space development of private enterprise; it leads the market in Japan to be brisk by cutting down the launch cost. The last one is active development of new technology to maintain the highest technique in the world: it makes them to be superior to other countries.

The Influence of Spreading of the Internet on World
~To Prevent World Wide Problem~

5414

Today, the Internet is spreading rapidly but there will not be only good things. Simply, it seems that many cyber-attacks or cyber-crimes may occur, and around 2000, a recession broke out due to bursting of IT bubble. Then, I started to research by using the Internet and get some data, reference and statistics, and paying attention to developing countries.

Searching for information, I found the reason why IT bubble occurred. Various of venture-companies which were established and jumping on the spreading of the Internet made a plan which seemed to be technically impossible. However, many investors invest in such companies, therefore IT bubble occurred. And now, companies established locally are not a few in developing countries, so I think the same things can happen in the near future. Also I found the estimate that IPv4, one of the ways to describe IP address, will run out.

Excepting some countries which have no data, there are various rates of countries from 1% to around 90% and there is a tendency that developed countries have high rate and developing countries have low rate. And then, before considering spreading of the Internet in developing countries, I investigated the fact when developed countries accelerated its spreading speed first. After the investigation, I found IT bubble had occurred and a recession happened at that time. In addition, the Internet Service Providers seems to be established in locally, based on these facts, I think the same things such as IT bubble can be occurred in developing countries. Also, the Internet spreads, accordingly, information devices such as computers and smartphones can growth their numbers. Except the case through proxy servers like schools or companies, we have to asset IP address one by one. However, IPv4, one of the ways we describe IP address, are concerned to be drained. To solve this problem, IPv6 invented, but coexisting with IPv4 and shifting to IPv6 are to be problems because of some technical reasons.

Based on these, I suggest that from leading companies to local venture companies should cooperate and do joint enterprises. If leading companies occupied market share and then there have been some vulnerabilities, world will face the big crisis. However, if leading companies and local venture companies cooperate, there will be conscientious checks from many perspectives, and variety of software will produces with many ideas. By doing so, world's cyberspace will be more stabilized. Also, however, there are some problems yet, I suggest that we should shift to IPv6 positively. As the reason for this, the number of the pattern of addresses is. IPv6 can produce 7.9×10^{28} times as many IP addresses as than IPv4. With such too much addresses, we don't have to worry about the number of the rests.

Introduction

Although Japan is advanced country, most of fuels rely on importing. However, we have some risks in importing fuels. For example, if counterpart countries stop exporting, it would be a serious blow to Japan. And, minable years of fossil fuel are about a hundred year.

Therefore, obtaining renewable energy alternative to fossil fuels is essential to maintain our lives sustainably.

I study the way to obtain the resources in their own country.

Discussion and implication

At present, many kinds of renewable energy are studied. But the energy which can supply liquid fuel is only biomass.

Actually, biomass is made from plants, so photosynthesis is done and CO₂ is taken in. CO₂ which emitted by burning of biomass doesn't influence a rise of CO₂ in the atmosphere. Therefore it can be said that biomass is ecological energy.

Today, biomass energy which uses corn is produced, but problem of food is pointed out, because it needs vast fields

So I propose a biomass energy using algae. About half of the body constitution of algae is occupied by oil to rise on water in order to photosynthesize. It's possible to get oil by destroying cells of them and taking lipid. *Botryococcus braunii* and *Aurantiochytrium* are focused on as algae which make a hydrocarbon suitable for fuel.

And the most excellent point of algae energy is a good efficiency. According to an American research institution, an efficiency of oil production using corns is 0.2t/Ha (year), but that of algae (*Botryococcus braunii*) is 47-140t/Ha (year). If we produce half of the petroleum needed in Japan using *Botryococcus braunii*, 10000 km² (about Gunma-Prefecture for 1.5) is needed. It seems to be impossible, but if we use Japanese sea, it would be possible enough in the future.

However, there are problems to use practically.

The first problem is how to cultivate only necessary algae. We have to cultivate removing unnecessary algae to keep high efficiency.

The second problem is to establish technologies which refine oil from algae. We have to pick only oil.

The biggest problem is a cost side. We can't use algae practically with high cost. However, if studies about algae energy are developed and cutting costs becomes possible, many companies will start investment for algae energy.

Conclusion

Such problems still exist, but there is a possibility that solved by innovation, not a fundamental problem. If it's possible to establish algae energy in the future, Japanese energy self-sufficiency rate will grow.

The Japanese car manufacturing affects the Japanese economy, and to increase domestic auto sales give Japanese economy a big favor. The Japanese auto industry has four subjects. First, about increasing environmental energy regulation, Total amount of carbon dioxide emission increased about 21 billion tons (1990) to about 30.5 billion tons (2010). After this, we need to fully support the cars which occupy the 15% of that with young nation whose market spreading rapidly. From now on, strengthening implementation for the reduction of carbon dioxide emissions and technological innovation will have a great impact on world auto industrial markets. Next speak about Proceeding of high aging. After that, by the year 2050, the aging of Africa and India will proceed and the aging rate of the world will rise to 16%. The car ownership rate of elderly people is low and the way of how to sell the cars to the elderly will be a big problem from the viewpoint of safety such as accidents. Third, talk about progress of overcrowding of cities and depopulation in rural areas. The car ownership rate of the elderly is low, thinking from safety aspects such as accidents, the type of cars to sell to elderly people is expected to become a big problem. On the other hand, the population of rural areas is expected to decrease from around 2025 around the world, and areas where depopulation will progress will also increase. It is also necessary to pay attention to the fact that the aging of rural population is generally fast and the influence of the aging pointed out in the previous section is strongly received. Last, talk about changing in values, generations born after 1990 are generally digital generations familiar to IT in general. The share of this generation in the automobile purchase population is 12% in 2015 in the world, but it will be 32% in 2025 and 50% in 2035, so including active use of IT Attractive car making is required. Moreover, it is said that this generation does not necessarily share the values of previous generations regarding ownership and driving of cars, because their values are diverse. In Japan, "car separation" is progressing in generations under 30 years old, together with the declining birthrate, has become a major issue in the domestic market. What is noticeable to contemporary young people is intention to wear dress in public, and its brand power is a great item for them. Under such circumstances, Japanese companies sell cars that seem fashionable and cool and it is not so expensive. Thus, what should we do for a young age group? I think people of such age may place importance on safety and economy rather than design or appearance. In addition, there are also supporting industries that mainly support machinery metal processing, environmental technology (hybrid car, automatic continuously variable transmission, weight reduction of body, etc.). It can be said that promoting monozukuri making use of unique features of Japanese automobile companies is one way to compare with the brand power of foreign companies.

Today, there are a lot of garbage problems all over the world. Japan has some of them too, and most of them are caused by combustible wastes. For example, the gas discharged by burning garbage causes environmental problems or suffer people around incineration facility. To say about Japan, a small island nation, has no more land to landfill with the garbage in these days. These kinds of problems are usually caused by combustible waste. So, first I began to research how to reduce household waste. There are a lot of ways to reduce them which was introduced to people, but the most cheap, easy one is to use a roller dryer. It is kind to neighbors, too. But, household waste is the total of wastes that were discharged by every house in the country, so we can't get any effects without all houses' effort. It looks very difficult to achieve.

It is important to reduce household waste that is a main content of combustible wastes But it is very difficult. To achieve it, it is necessary to appeal to families with using commercial and poster, or making new ordinance to do that. If we succeeded to do it, it's difficult to change minds of the people. In fact, most of the people don't realize about this emergency situation now. Comparing household waste like that, business wastes or industrial wastes are easier to reduce because the amount of garbage discharged by a company or a factory is larger than that of a house. So I decided to research how to reduce business wastes discharged by companies. To research the methods, I studied about Germany or Sweden which are called "Environmental developed country". They are forcing companies in their countries to dispose their own wastes. Especially in Germany, it's common. Disposing wastes costs them a lot of money, so they independently make effort to reduce their wastes. In fact, this method achieved results. Of course, I want to enforce this method to only large companies or companies which discharges wastes over the standard. Needless to say, responding a call for reducing wastes will make much more effect than household wastes.

Only few companies in japan is disposing their own wastes now. But it's not being forced or being supposed by government, so it didn't make big results until now. If Japanese government enforce this to all the big companies in Japan, this will achieve great results. Certainly, it will bring some problems. For example, illegal dumping of some companies who have too much wastes. It is going to cause being rampant of illegal dealer. Committing of illegal dumping dealer is a big problem now, but they will increase with this occasion. They are dumping wastes in not legal ways with receiving money. Some of them sell wastes to foreign countries. To prevent rampant of illegal dumper, the government has to make law stronger. In addition, they must support companies which are enforced it. It will cost them a lot of money, and it's uncertainty whether this cost is able to be paid from the money saved by reducing wastes. But I believe that considering about the future when the garbage problem, this project should be enforced.

With the method enforcing companies to dispose their wastes in Japan, we will reduce industrial wastes much more effectively than having efforts to reduce household wastes. It also contribute to lighten or solve garbage problems in Japan

The Way to Develop Japanese Economy
~Using products made in Japan~

5418

Japan is an advanced country but Japanese economic growth is losing their speed. So we have to think about the way to get back the continuous economic growth. Then I see transitions in Japanese volume of exports. The volume is increasing year by year. And cars are account for the largest late in that volume. Namely cars lead Japanese trade. Then we pay attention at electronic parts and scientific optical instruments. There rates in international trade balance are decreasing now. To make cars and to make electronic parts and scientific optical instruments are both the same technology which is making something. I wonder why the differences are happened. I searched an idea, and then I found a theory which is called by “the theory of architecture”.

The theory was written by Fujimoto Takahiro who teaches in Tokyo graduate school. He says that it can divide products into two types which are “the type of integral” and “the type of modular”. “The type of integral” means making one product to use completely and to display the largest power. It needs high technology. Constantly “the type of modular” means making one product to use general parts. It is easy to make product.

I use this theory to separate the Japanese exporting products. Cars are the type of integral. Electronic parts and scientific optical instruments are the type of modular. For these date the Japanese manufacturing industry is strong to make “The type of integral”.

Professor Fujimoto says that Japan has had been strong power of the integral manufacturing industry since Japan started the national trades. In addition Japan has been higher power in technology than other countries. In china, developing nations, their strong field is the modular manufacturing industry because of that industry does not need special technology and they can make product if only collect the parts. If a country has a large population and does not have special technology, it should do the modular manufacturing industry.

But in Japan, we have not a large population and have special technologies so we should do specialization in the integral manufacturing industries. Saying in different words, we had better not to make the modular manufacturing industries. When we do specialization in integral, Japanese economic power is stronger than before. And I also think that to display Japanese individuality is important. People may want to more comfortable, remarkable and original products in nearly futures. Based on this prediction I am sure we must need Japanese individuality. A final conclusion I suggest Japan should do specialization in the integral manufacturing industries.

It was considered that the main reasons of early death were infectious diseases in the world. But recently noninfectious diseases such as mental diseases or heart diseases have been main reasons of early death. In Japan, suicide is increasing the rate of early death. This is why the number of fatalities by physical diseases is decreasing because of the medical development but the number of that by suicide is still no variation because of few effective solutions. So, I consider how to prevent students from suicide according to the research of the causes of student's suicide.

First, I talk about the reason of suicide. The number of suicide by students tends to increase since 1992 in Japan. In 2011, over 1000 people killed themselves. This result was caused by The Great East Japan Earthquake. According to this example, it is thought that suicide is involved in the social reasons. I define that social reason is the condition of our lives such as the relationships with friends or family members.

I focus on the reason of suicide by age and sex. According to the data, we can see that conflict with family or their classmates are the most reason in lower age, and unsatisfied school record and the worry about their course are the most reason in higher age. Moreover some girls kill themselves by mental diseases. The reason of suicide is different by their sex or age.

Of course most people experience these suicide reasons when they are students, but most of them do not kill themselves. The reason of ending in suicide is not to have the way of relieving stress

The most effective way of that is talking with someone about the cause of stress. If we do so, we share the problems and we may get the help from others. There is a study which shows that talking to someone relieves anxiety. Therefore talking to others is important for relieving stress.

Now school counselors who have the qualification of Clinical psychotherapist are in many schools. Students can be heard about their worry. But, some of the students do not consult about the concern because they think it is difficult to solve it, and they do not want to talk about their concern. So, I suggest install robots which have artificial intelligences. Students can be heard their concern without worrying about being heard by someone else. These robots also have program which can find how much each of students has stress numerically. Teachers can do something before they concern seriously by using this system,

This will contribute to care of the mind of students. It is thought that robots will replace teachers in order to reduce personal expenses in the near future because they will be able to teach studies to students with using pictures. This is also helpful for medical checkup. Those things suggest that adopting robots is great for education systems.

In Japan, the most common cause of death is cancer. Cancers are distinguished between metastatic cancer and un-metastatic cancer. Un-metastatic cancer becomes big but does not metastasize to other places. Therefore we can cure un-metastatic cancer easily by developing medical technology. But metastatic cancer becomes big and metastasizes to other places. So we can not treat by operation treatment, and survival rate is low.

At present, the main way to treatment is operation treatment. But it does not enable to do when cancer is not big enough to see. So we use other treatments at the same time. They are roughly classified into two kinds, Local treatment or general treatment. Local treatment is used when patient have a mass of cancer. Its main treatment of this way is radiation therapy. Radiation therapy is the way to aim a laser at the affected area. It can cure cancers by aiming many lasers with pinpoint irradiation. Local treatment's demerit is that it can not cure cancer which is scattered in patient body. General treatment is used when cancer is scattered in patient body. Its main treatment of this way is anticancer drug treatment. Anticancer drug treatment is also used when inhibit the growth of cancers, or inhibit the multiplication of cancer cells. Because it has wide range of effect, it is used to treat wide range of cancers like lymphoma or blood cancer. But it does not enable to cure cancer which is mass of cancer. Beside these treatments are not considered mental stress of patient.

Therefore regenerative medicine is being watched.

There are two ways which are possible method. They are eradication cancers by treating cancer's stem cells and application regenerative medicine to tissue which excised a cancer.

Cancer has stem cells. Stem cell is the leader of cancers. It gives other cancers instructions such as metastasis. So if we can destroy this cell, cancers is not increased.

To application regenerative medicine is not used when we are treating cancers. We can lose our function by operation treatment. So then we use this and regenerative the function.

Next I'm going to talk about iPS cells. The study used iPS cells can get more details of the mechanism of human diseases than the study used animal's stem cells. So it is expected developing medical technology. Also by establishing different iPS cells, iPS cells enable to check whether medicine has some side effects.

Then I suggest that using regenerative medicine after treatment and using iPS cells to clarify the mechanism of cancer. Using regenerative medicine enable patient to regenerate the organs lost function which had damaged by operation treatment or medical treatments.

This way has been done in some parts of organs. So this way had already proved that it is effective way.

Architecture is an important industry field that it passes each county' s cultures and history down.

In japan, we have some traditional streets and houses of construction. Those are very precious and important for us to learn Japanese history, but the number of those is progressively destroying. We have to pass such scenery down next generation. If we do so, we must have heart that we are interested in traditional construction and that we want to protect them. Finish being constructed by the whole resident' s consent might be connected conservation of scenery a long period. Based on these things, we have to introduce the activity that residents who live in scenery can understand how the new construction is like by using the internet. These sceneries should be protected by residents.

In many other countries, regulation for sceneries holds up by residents' cooperation. In France, the history environmental preservation system was made. This is the first law which shows the view; preservation zone, called "Malraux" . The feature of this law is to reconstruct buildings to restore historical sceneries, and also has some idea to adopt opinions of residents. The problem of this law is that it cost a large amount of money. On the other hand, it can reflect the opinion of residents and, it is an activity which takes remaining historic buildings into consideration. In Italy, the law about conservation of cultural properties was made. It can conserve things which form scenery, but it can' t conserve some places and parks, so there were some areas which do some development spoiled sceneries. The point we can refer is the strength of regulation. In Germany, the law for urban development that is in harmony with nature was established. The Act on federation conservation of nature defines the nature and scenery foundation of our life. In the United Kingdom, they renovate or rebuild historic buildings and monument.

Residents must have an interest in historical constructions and have a mind of protecting them. We should make many schoolchildren and junior high school students known about construction willingly.

I think using the internet when we build constructions around historical scenery, and residents can understand what is around their town. Construction companies can hear many opinions from residents. We can protect historical sceneries for long time by doing such activity, by our hands.

Health Problem of Japan and World
~ For Improving Lifestyle-Related Disease ~

5422

Lifestyle-Related Disease is the generic term of disease that is concerned with onset or progress of disease by usual lifestyle. I want to research what measure is done now and what measure will be needed in the future to improve this disease.

I paid attention three things which are done now. First, it is “Wellness Point”. It was done in only six cities. This content is that we join the program which city provides, and save points, finally we can exchange own points for Ponta point or gift certificate. Second, it is “Metabolic Syndrome Checkup”. It is required more than 40 year-old people, and not only nation or local government but also the insurers of companies do it with sharing responsibility. Third, it is “Healthy Japan 21”. It shows the target figure of individual in the nine fields. Lifestyle-Related Disease of people who are over 50 year-old is speeded symptom of aging brought by irregular lifestyle. So it is hard to completely recover for elderly. In the old medical system, curing disease is main purpose. Only acute diseases were treated. But, it is hard for us to complete recovery, we should plan not only treatment but also the revitalization of medical system of supporting. We have to adopt the care cycle system that has a relief, rehabilitation, treatment of chronic diseases into many institutions. And there are a few people who know the correct lifestyle now.

In conclusion, I suggest two things. First, I want to spread the knowledge of the correct lifestyle. Concretely, we show specific figure using graph or list. Moreover we show the plan of meal, exercise, rest and sleep through the advertisement and smartphone. The important thing is how easy for young people to work on. I want to use smartphone as much as possible. Second, I want to spread the new facility that is integrated medical care with welfare. The present medical system is separated the hospital and welfare. So by integrating two systems into one facility and having the same purpose, we can work on the problem of the Lifestyle-Related Disease more efficiently than before. I want to spread the community medicine completely.

Japanese traditional clothes are called *wafuku*. There are many merits of wearing *wafuku*. But people tend to wear only western clothes. I think the way to fascinate young people with it has many solutions.

We can see the *wafuku* market decline gradually also its style has changed from the past one, possession, to the present one, rental. As it changes, the diversities of commodities or service for young people are needed changing. Based on the changes, the appearance of the new business condition shop or expansion area of opening local stores are effective solutions.

Also some events are held by many kinds of companies. In this way, to increase events which it is easy for young people to join and to prompt young people to put on *wafuku* seems to be effective.

To be held wearing classes will become nice chances for young people to touch with traditional costumes culture. Many classes come up with various ideas.

As one of the projects, one company tries to be selected *wafuku* for Intangible Cultural Heritage and holds *wafuku* fare selling items made of *wafuku* such as bags or coaster.

Lastly, the customers don't get closer to the old kimono public shop recently, because they pressure the customers into buying an expensive *wafuku*. As a result, people got the impression that "wafuku = high pressure sales". So, the old kimono public shop should stop high pressure selling for redeem impression of *wafuku* public shop.

Based on these matters, the ways to fascinate people with *wafuku* are to establish the new business condition shop, to expand area of opening local stores, to increase the number of events to urge young people to wear *wafuku*, to hold *wafuku* wearing classes, to stop high pressure selling and become to be able to go shopping with relax and so on.

If people know about fascinations of *wafuku*, they may want to wear it. I wish it will cause to prevent destroying culture of *wafuku*.

People are in a dominant position to animals and Japan is backwardness country of the prevention of cruelty to animals. So I think about animal protection, how to contact with animals and way of thinking and I research about interest in animals and communicative competence making progress.

In Japan, disposal number of killed is high. In addition, raising rates and the average lifespan are low. We need to reform the awareness of Japanese to solve these problems. I thought curriculum of the compulsory education that learning basics of society is the proper way to reform the awareness. But, it will make understanding for animals deepen that feel by one's own actions to break barrier of prejudice for animals than common lesson that use teaching materials. So, the solution to the problem that a decrease in animal breeding at junior school considered, I suggest program that keeping animals at classroom in curriculum of the compulsory education because it is not only it urge understanding for animals but also you can learn about the preciousness of life rather than the lesson of morality that is very effective for mind and body health and teaching materials. What's more, the kindness to animals is also applicable to human beings, and by rearing them cooperatively within classes, they also deepen relationships and lead to improved communication skills.

These lead up to develop global citizen resources whose communication abilities are high. It is useful for children to have some moral, social and communication skills in the compulsory curriculum through animal breeding in the future.

Japan is a safe country for us. However it's a dangerous country for animals. The average lifespan of human got up by developing medical technology, public hygiene, social security system and nutrition. I think animals also do not say the same thing.

From the results so far we have a great influence for animals, but animals also have a great influence for us. Human beings and animals are supported in a bilateral way to eliminate the dominant consciousness to human animals and further extend the animal welfare spirit to the domestic market In order to create a world where everyone can understand and coexist with animals, By educating consciousness from a young age, we can solve the problem of respecting each other, growing up as a big person with a heart of peace and friendship if we more extend spirit of animal welfare to japan and everyone fully understand each other, low consciousness of Japanese animals. Human resources currently required are required to have high communication skills and contact with animals can be said to be very effective in enhancing it. You should grow the world not only for humans but also animals. And we should create a world where we can coexist easily with each other across the walls of humans and animals.

There are three problems among Japanese emergency medical care. One is the fare to use ambulances, another is how to use the information systems effectively and the other is the role of emergency personnel. So far, there are a lot of treatises about emergency medical care, emergency personnel, and how to change the emergency system. Almost all the specialists say that, coordination of local clinics and hospitals, and carry the patients as soon as possible are important. I think it is the best way to use medical machine and to cooperate with someone so I will consult these ideas.

We can use ambulance for free but it causes a big problem; “almost all the people who use ambulance is Minor injury person” it costs 2 trillion per a year to maintenance the cars so some people say that it’s better to use them for pay. Certainly people who are minor injury hesitate to use them because of its fare, but also people who are in poverty hard to use them. Japanese motto in emergency medical care is that all people can have medical treatment equally. People who are sick or injured tend to call ambulance soon without thinking but I want them to use convenience information system; “consultation centers about emergency medical care” it means we can consult to someone if we should call ambulance or not. This center is located in five Prefectures in Japan. Also there is “emergency medical information system” which we can use when we are in trouble of which hospital to go, and “consultation centers about emergency medical care”. In 2009, rule of Tokyo has been enacted. It solved a lot of troubles that the number of patients who can’t go to a hospital soon reduced by one-third. It was only four years to produce such a result. If all the people in Japan know about these systems and use it, we can make emergency medical care better. By the way, there are many sorts of emergency response personnel around the world. Paramedic workers have advanced skill and knowledge so they can use more than twenty two drugs when they cure patients and also they can do something on their own judgment. The system is used in America .However, rescue workers can use only one drug and they can’t do something without permit or order from doctors. This is why American emergency medical care is more efficient than Japanese one. In American emergency medical care, they always use developed technology for example, San Diego introduced a system which name is QANet. It takes statistics from traffic accidents handled in emergency medical care and take advantage of traffic regulations.

In trying to improve the efficiency of emergency medical care, there are two suggestions. First, adopt automatic triage system using tablet terminal. If we prepare Medical Tricorders that can determine blood oxygen concentration, heart rate, blood pressure, body temperature in seconds. We don’t waste time so nurses and rescue workers can concentrate on treat the patients. Second, Increase treatment range of ambulance personnel and enrich facilities in ambulance is important. Looking at machines used in ambulances in Japan and the USA there are big difference. American machine is more useful so that we can save much more patients and can also complete the procedure in the ambulance before the car reach a hospital so Japan should use such developed machine even if the cost is huge. To the end, I felt that the attention of all the people in emergency medical care and cooperation is important.

There are two systems of medical care. They are "separation of prescribing and dispensing drugs" and "Not separation of prescribing and dispensing drugs". When Japan is compared with America and German, It is "Not separation of prescribing and dispensing drugs" I am interested in it, so I decided this theme.

"Separation of dispensary from medical practice" means to divide prescription and dispensing, doctor prescribe while pharmacist dispense. The foreign pharmacy more advanced than that of Japan. For example, in the Netherlands, it is taken for granted that a drugstore supply the whole medicine. With exception, patient's house is more than five kilometers away from drugstore and doctor delivering it.

In German, federal law provides that pharmacist should go to work on a holiday, and require them to set up duty room and beds.

In Denmark, pharmacy manages about 3,000 kinds of medicine, while that of German manages more than 10,000 kinds of it. This number is over Japan's, besides it is characteristic to cope with at night and on holiday.

In America, they do "separation of prescribing and dispensing drugs" thoroughly, and it is against the law for doctors to sell medicines to patients directly. The patients should go to chemist's shop to buy drugs. It is also against the law that doctors recommend particular drugs on this occasion. There are some differences between Japan and America whether prescribing makes monetary reward or not, there is no monetary reward for this work in America. As I have explained, the other country more advanced in medicine aspect than Japan. However, the Japanese government laid down that a hospital must not be attached to the pharmacy on premises, and try to separate medicine and pharmacy. The purpose of effort is dissolving an overdose of drugs, but there are criticisms that patients seem not to have advantages. It is burden and inconvenient for a patient who uses wheelchair, suffers from disease, or has a fever.

The management independency of the drugstore be secured, and a pharmacist checks the prescription which the doctor give, from an independent viewpoint in. If this is made, it doesn't have to separate hospital and pharmacy for cases. So I suggest that pharmacy will be built in the hospital and make the management of pharmacy independence totally.

Therefore, I think that it is good to incorporate the system like America; doctors cannot get reward by putting out a prescription. By doing like this, I thought that the benefits of overdosing a doctor disappeared and that the work of each other is completely divided.

Recently the voting rate has been lower and lower, especially most of young people don't vote. The number of vote of the youth is half as much as that of the elderly. In addition, politicians set manifestos to the elderly because of aging society with fewer children, and the youth have less attention. I searched the solution taking other countries policy done parliamentary Cabinet system to find a way out from this bad circle.

One of the greatest reasons is "light responsibility of the young toward one vote". They think their votes have no power to change nothing, and these thoughts prevent voting. I think the problem has a relation with the system of voting. The way of election is that people vote for party, then the successful elected candidate is decided by the list that party decided before the election hold, so people can't decide a person who are elected. And there are two types of vote. One is the "solid vote". It is that people have voted specific party for long time. It almost means organized vote (that is that "organization" vote a party). The other is "swing vote". It is vote of people who don't have a particular party. In the case that low voting rate, swing vote decrease, so it is easier for the ruling party, which have political power, to be elected than others party because the party has big supports. This election system is advantageous to the party.

Second reason is that youth have little interest to society. Most young people don't subscribe to a newspaper. Today, we can get much information on the internet without reading newspaper, but it means that young people read articles they are interested in; therefore people don't read articles about politics or election. Most youth who don't vote don't subscribe to any newspaper. This is why young people have little interest to election.

According to two reasons, first, we have to change the way to elect into the large-constituency system. It is simple. Candidates who get more vote than others can be elected. This system influence by a vote directly, so candidates are chosen by public opinion.

Then, I suggest that some newspaper companies have different supporting party distribute a newspaper with articles on manifesto of each party for free. Another, it is necessary to study about election or politics when we are junior high school students. It may give a good effect that youth have much interest in election and hold meaningful election.

However, each solution has some problems. In the case of major constituency system, one vote has bigger power to make society, but vote voted for the non-chosen-candidate simultaneously would increase, and people vote candidates not party, so it is easy to confuse assembly. Also, in the case of teaching about politics and election in the elemental school, teacher have to take a neutral stance and mustn't be obsessed with own feelings. To do the solution, we have to solve the problems.

The Fresh Idea for the Treatment of Dilated Cardiomyopathy
From a Completely New Point of View

5428

Japan is behind other developed countries in the field of organ transplant, especially heart transplant. The number of the patients in need of a heart transplanted because of heart failures is much larger than that of donated hearts in Japan, and 40 percent of heart transplant operations for Japanese patients were carried out in overseas in 2014. There is criticism of this situation and some countries have refused to donate organs to the Japanese. We need to find new ways which can take the place of heart transplant as soon as possible in order to save Japanese patients. I started to research this topic to propose a fresh idea.

First of all, I searched on the Internet and found that dilated cardiomyopathy accounted for about 70 percent of the causative diseases of heart transplant operations in 2013 in Japan, so I decided to focus on this disease.

Dilated cardiomyopathy is one of the congestive heart failures caused by the decline of the power of pumping out blood due to the dilatation of the ventricle. If you are suffering from dilated cardiomyopathy, blood flow would be bad and enough blood cannot be provided for each organ.

Then, I learned about circulatory system. After the heart pumps out blood, blood is distributed into each organ through arteries, and come back to the heart through veins. Arterial wall is extremely elastic so that it can stand high blood pressure, but venous wall is not so strong to do so.

Today, we attach artificial hearts to patients suffering from not so severe dilated cardiomyopathy, but it is not a substantial treatment. We cannot make blood circulate smoothly only with this device.

There are two types of artificial hearts today. One is called pulsatile flow artificial heart and pumps out blood with a pulse like a natural heart. Another one is called steady flow artificial heart and pumps out blood without a pulse like running water. Steady flow artificial hearts can be smaller than pulsatile flow ones, but effects caused by blood flow without a pulse have not been revealed yet.

Considering these facts, I suggest the following idea, which is completely new.

It is to make small steady flow pumps by remodeling steady flow artificial hearts, and put some of them into the vascular system so that no blood stagnation occurs. By using steady flow pumps, they do not damage venous wall because they do not have a pulse. Besides, since they do not have valves in them, we can make them smaller more easily compared with pulsatile flow ones.

It is a really simple idea but no one has even imagined this kind of treatment because they have regarded heart as a one individual organ. I put a heart and vascular system together in my mind and this is how I came up with this idea. Hunger of World &

Satiating of Japan
Life in a Developed Nation Which Has Trouble with Satiating

5429

The number of people suffering from hunger is about 850,000,000. It is a ninth of the population of whole world. Though the world has trouble with hunger, our country, Japan is in satiation. Japan wastes about 20,000,000 tons of imported foods, which is equal 30% of annual importation of foods in quantity. In other words, a Japanese person wastes 150 kilograms of foods in a year. I want to solve both of the food problems by ourselves.

There is a business custom which is called “one third rule” as a cause of satiation in Japan. “One third rule” defines limit of sales. It separates the span which is from the date of manufacture to limit to use the product under best condition into three parts. The first part is limit to deliver the products. The second part is limit of sales. If they are over the second part, they have to waste the products. This is “one third rule” in Japan. Because they waste a lot of food that is over limits, “one third rule” is a cause of satiation in Japan. Some people say that we should have much stricter rule, while others say that we should make the rule looser. If that rule in Japan were looser, the satiation wouldn't be so serious. Humans are said they all need 180 kilograms of grain for a year. Because the world grain annual output was 2,300,000,000 tons in 2011, people had 330 kilograms per a person. Although there are enough crops for all people, many people are suffering from hunger. So foods must be slanted toward developed nations, however, there are not only grains for humans but also for domestic animals. This unequal food supply is a very complicated problem.

There are many organizations which contribute to betterment of the food problem in the world, such as FAO (Food and Agriculture Organization of the United Nations), WFP (World Food Program of the United Nations), and JICA (Japan International Cooperation Agency). These organizations' main activities are teaching how to grow vegetables efficiently, aid of food, and dispatch of capable person. They have a project called Zero Hunger Challenge. It is an attempt to gather supports from people in the world in order to eradicate all hunger. My ideal activity to solve the problems is like that of food bank. Food bank is an organization which help people living in hunger get food and gather surplus food from not only companies but ordinary citizens. Of course, there are a lot of strict requirements to guarantee the safety and quality of food. But there is no food bank in the developing nations and food banks don't work beyond borders. So we need a new organization which works all over the world to gather surplus food from developed nations and give them to developing nations. However, this project will be very hard to realize because of cost and transportations. And such a large-scale project won't need our help. I thought how we can contribute to solve the problems. The solution I thought was not to buy too much food for one day. Do it, and there will be less wastes of food in a family. Then, the shops will have a lot of stocks and they must plan to decrease stocking in order to avoid a deficit. As a result, Japan can decrease importation from foreign countries.

To realize this treatment, there will be a lot of technical difficulties and things we have to reveal, but I hope that this fresh idea from a new angle will be a light to break through the present state.

Handing Down Traditional of Kimono

~Connection with Tourist Site Referenced from Foreign Example~

5430

We can see great decreasing of the production amount for all of Japanese traditional craft objects lately from the reference published by the Ministry of Economy, Trade and Industry, whose title is “about the present circumstance and recovery measurer from now on with industry of Japanese traditional craft object.” Especially, the number of textile goods is showed about ten times decreasing comparing lacquer wares and ceramics. I thought it was a problem. This is why I decided to consider about the measure in order to stop the decreasing with focusing on kimono.

Now, Japanese government is carrying out the way based on the policy called Densanhou. The drive is that donation for the Traditional Craft Association from mainly tax or lecture meeting and class of experiences about kimono visiting all parts of the country.

From these, I decided to suggest the way of handing down kimono without so much money in this study.

First, considering with wide scope, I searched some efforts about traditional costumes in foreign countries. I found two cases. First, Bhutan has obligation of wearing own traditional costume when they are in festivals and entering facilities administered Bhutanese government. Second, Vietnam has a spot called Craft village, where does activity connected sightseeing and traditional craft. Also Vietnamese government is bigger interested in traditional craft and they spend much money for handing down their traditional.

Next, I researched foreign tourists' interests to kimono, from “The consumption trend of foreigners visiting to Japan” issued by the Japan Tourism Agency. It shows us shopping cost of foreigners. From this reference, we can understand that expenditure of kimono has much fewer increasing comparing with the other commodities. But the degree of satisfaction with who bought kimono is high about its design.

Finally I looked into Kyoto, because Kyoto is designated as “Four Trading Center” of kimono. That is why more foreign visitors are coming to Kyoto. In the 26th year of Heisei, actually, 1,830,000 people visited Kyoto looking at the data from Kyoto City Industry and Tourism Bureau. Besides I went to Kyoto as a field work and Kyoto station and shopping arcade. At there, I looked at kinds of brochure. There were almost about food or souvenir, there were few about traditional craft. Besides, almost all workers didn't put on kimono.

Viewing from these data, I would like to suggest the way that it takes specific period which workers at shopping arcades and stations in Kyoto dress in kimono to advertise them with the eyes. It is able to expect people who are not interested in kimono at first will have interest in seeing its design without languages by the brochures. Also domestic tourists are decreasing in Japan and foreign visitors to Japan are increasing, so this measure is suitable for recent Japan.

For to reduce obesity
~prevention and measure by nutrition~

5431

According to the journal “the Lancet”, WHO announce the people of obesity are increase suddenly near 40 years and obesity amount to 6 hundred 41 million persons in the world. Obesity can distinguish by BMI (Body Mass Index). WHO define obesity that BMI exceed “30” Some kind of disease happened by obesity. In addition, obesity results in death if it gets worse. According by the global burden of disease (GBD) study the data that institute for health metrics and evaluation (IHME) announces in 2014, there are 6 hundred 71 million obesity person all over the world and Mexico is the most highest obese. Second is United States America and third is China. The cause of increase obesity is to eat fast food. What is more, the style of meal became western all over the world. In recent years, Japanese eat western food frequently. So I thought reform measures to reduce obesity by nutrition.

Next, look at the age group of increase obesity, I find children’s obesity is problem. In japan, obese child increase 2-3times in 30 years. The data that 15 years old male is 13.5% and 12 years old female is 9.8% is the most of highest in particularly. So I search important nutrient classify adolescent boys and girls.

Man : protein is important to grow. It makes born, internal organs and blood. In addition, it makes hormone, function of enzyme and immunity. Calcium is necessity to born and tooth. Vitamin and mineral can work as lubricant moving body.

Women : adolescent girl lack overwhelmingly iron. They go on a crash diet to lose weight. As a result, the risk of lack iron rise and cause anemia.

I suggest ideal meal menu. We must eat breakfast. If we don’t have appetite, we eat yogurt and banana to help function of the bowels. Sugar of banana can deliver fast for brain. A cup of miso soup and another simple dish is ideal. Especially, it is important to warm body to wake up. So we have to eat hot soup. Miso is made from soybeans have a lot of iron and vitamin. So it is essential for women. I recommend eating favorite foods for lunch, because nourishment which take for lunch time is digested by activity of afternoon. We have to cut down on snacks. If eat snack, you should be careful volume of sugar surplus absorption cause obesity. The nuts are most suitable for a snack. In addition, it is better to eat a fruit including vitamin, because vitamin C is difficult to take for a meal. Dry fruit have a lot of dietary fiber. And it can raise blood sugar level. So we can get a feeling of fullness. For dinner, we have to eat Japanese food because Japanese food is well-balance and it is our cultural food. It is the condition to put in vegetables in a meal. To boil vegetables, we can eat many one than salad. I recommended the menu with vegetable. 〈spinach dish dressed with sesame sauce〉 and 〈fried spinach with egg〉 spinach and egg have zinc and vitamin. Egg has animal protein promote to take zinc. And milk has animal protein, too. Fish or meal is ideal for the main dish. The brown rice is nutritious, but rice is enough. The meal from which carbohydrates were removed is dangerous, so it should be avoided. Night time, nutrient which is decompose is take in the body. So I think we have to eat good balance meal at dinner.

The Risks about Taking Medicine of the Elderly
~ to Prevent Side Effects of Medicine ~

5432

There are problems about side effects of medicine caused by taking many kinds of medicine at the same time or the wrong way to take medicine in Japan where is an aging society now. I know Daniel S. Budnitz, a doctor who belongs to CDC, reported findings of the investigation about estimates of the number of side effects of the elderly in America and told us the most of causes of that was an overdose of drugs or an over-intake. Then I study about these problems and I considered the best way to pay attention not to cause side effects of medicine for the elderly and the right procedure of take medicine. I was doing study with three ways, 1: To search the causes of side effects and why they increase risks about side effects higher in age, 2: To search examples of side effects of taking medicine by old people in Japan and think about the causes, 3: To study or think and suggest how to pay attention to taking medicine safety and the right way of taking medicine based on my findings.

First, I found 60 percent of senior citizens are taking many kinds of medicines at the same time. As people get older, they consult a doctor more and more and they will get a wide variety of medicines and I see there is a correlation between the frequency of side effects and the average number by age of medicines the elderly take a day. I found that taking many kinds of medicines simultaneously causes side effects and it increases risks about them higher.

Next, Research team of Ministry of Health, Labour and Welfare published that 48% the old patients who took home medical care were prescribed “inappropriate” medicine there were risks about side effects and 9% in 48% developed side effects. So they considered the reason is that there were many old patients who took Benzodiazepine sleeping pill, antianxiety agent. The Japan Geriatrics Society made “the List of Medicine Which is Especially Need to Taking it carefully for the Elderly” because they wanted older people to pay attention more and more when they take medicine. I found the main cause of side effects about the elderly is overdose, not taking inappropriate medicine.

Lastly, I integrated the results of a survey into a sheet the elderly can check how to take medicine, which has the points or questions about taking medicine, the list of the inappropriate medicine, matters to be attended to, and so on. I have to think about how to spread this list to older people so I will try to show this lists to my grandparents first.