Welcome the professors of University of Tsukuba come to Shanghai High School on Monday. As we all know, by the end of February 2015, the University of Tsukuba was a member of Top Global University Project, as one of the largest universities in Japan. The most important achievement is that 3 professors were awarded the Nobel Prize.

At first, we knew some details about University of Tsukuba briefly. Then, the part of academic exchanges, which were made by Shanghai High School and No.2 Secondary School Attached to East China Normal University, was started. Some professional projects, such as Soil Organic Matter and Soil Function In Terrestrial Ecosystem, Tracing Water and Material Cycles by Environment Isotopes and so on, were introduced by professors of University of Tsukuba, also by students of 3 schools. And after each project, the students would be asked questions which were challenges to them. Students could improve their research from some useful advice given by professors, and they benefit from these advice which would make them more capable.

At last, the students were divided into some small groups learning more knowledge.

I think that through this activity, we have not only our ability rised, but also our mind stretched. At last, allow me to welcome the professors of University of Tsukuba on behalf of Shanghai East High School again. Think you for coming.
University Of Tsukuba’s activity report

I went to the Shanghai East High School to attend High School Student Thesis Defense last Monday.

First, I learned about University Of Tsukuba.

University of Tsukuba is a Japanese new national comprehensive university, compared with the long history, by fruitful academic achievements, cultivate the countless celebrities to people and famous in the world of the old university, famous is because it conforms to the trend of the development of science and technology in the world, stand in the forefront of Japanese university reform completely to a new school running mode and in the east of a modern university.

From this experience, I learned a lot of about science and how to protect the environment. The project from different schools left a good impression on me. Research of PM2.5 and BC in the Environment of Shanghai Metro, showed me that the closed underground environment and the open-air stations, rushing hours and non-rushing hours, they all influence the daily intensity of PM2.5. Next, is the composition and characterization of eutectic phase change materials applied in external walls. In this study, considering various situations and the uniqueness application of certain materials, different cities such as Harbin, Shanghai and Shenzhen, they were all different.

The professor’s lecture left a deep impression on me.

Maki ASANO gave us a lecture on Soil Organic Matter and Soil Function in Terrestrial ecosystem. She talked about what is soil and interaction of soil and global environment problems. What should we do to protect the soil? The answer is more field work, a nalytical work and collaborator. The most important thing is to advance scientific knowledge solving environmental problems.

Yamanaka Tsutomu also gave us a lecture on Tracing Water and Material Cycles by Environmental Isotopes. He talked about importance of isotopic tracing, basics of isotopes and applied case studies. He let us know to assess or solve environmental problems, tracing water and materials is fundamentally important.

Finally, Jiang Gandan’s study on Inhibitory Activity of Amyloid β aggregation by Kukoamines proclaim the end of our day. It is the first report to show the inhibitory effect on Aβ aggregation by kukoamines A and B. Applying kukoamines A and B in medicine will be a promising strategy to treat and prevent AD.

University of Tsukuba, according to academic research and development and social needs to be established, is a large-scale integrated interdisciplinary, interdisciplinary organization, not only to absorb the Department of teachers in the school, but also to recruit professors at home and abroad.

Although through the speech, some words were difficult for me to understand, I think if I go to Tsukuba in the future, the language will not be a big problem. So we don’t need to be worry about it.

So, I believe the school in there will be colourful and interesting. I will introduce the university to my classmates, and thanks the professors very much.
Class3, Grade 10
Li Jingxuan

High School Students Thesis Defense

On October 12, we had an academic conference with the professors from the University of Tsukuba. I was honored to come to Shanghai High School to exchange our knowledge.

We had six presentations from the students and the professor. We talked about the subjects in Environmental Sciences, such as Soil Organic Matter and Soil Function in Terrestrial ecosystem, Tracing Water and Material Cycles by Environmental Isotopes, Distribution of Microcystis in the Substrate Sludge of Taihu Lake, Research of PM2.5&BC in the Environment of Shanghai Metro and so on. They were all about Environmental Sciences.

As we all know 21 Century is the century of life science. The problems of the environment are so important that many people pay attention to Environmental Sciences. In fact the problems of the environment are so various that we had a lot of different subjects in this academic conference. So this academic conference gives me a good opportunity to know about world in today. I think I get much from this academic conference. Firstly it had improved my English skills, how to make a good presentation and much professional knowledge which the lecturers told us. Secondly this academic conference increased my responsibility about save the environment. Thirdly it taught me a truth that it is no national boundaries in academic. We were not involved in politics, just only exchanged our study. The professors from Japan were very kind to us, and we were also glad to talk with them. This was a great experience. Although the schoolmates from our school had no presentations, our passion had never been low. Three schoolmates asked the questions which contained their own opinions to the professor in the presentation. The professor was too embarrassed to answer the questions in English. Luckily there was a professor from China translated the result. From this experience I had learned a new lesson that it is important to learn English very well.

In the end, we had a group discussion, and I had chosen the subject on Environmental Sciences. It’s surprised the teacher was Professor Yang who comes from China. She is a very cordial woman. She taught us her own test report. How generous she is! The group discussion was a different experience, too. I got the professional knowledge about Photocatalyst. LED Photocatalyst is by the principle of trace carbon dioxide production to attract female mosquitoes. Photocatalyst is a very useful and magical production. It can help us do many things, for example it can absorb formaldehyde. Generally the group discussion was useful and full of fun. I am looking forward to next activity with the University of Tsukuba, Shanghai High School and others. The purpose of this activity was exchanging our mind, and also we made it. I really enjoy the atmosphere among all of us, we are swimming happily in the sea of study.
A Day in SHS With University of Tsukuba

On October 12th, we went to SHS, studying with SHS’s students and the Professors from the University of Tsukuba. It was really an enjoyable and meaningful day. We started at 9:00. A woman Prof. first introduced the University of Tsukuba. It was a great university. Not only its famous education, but also its translation, environment, diet and dormitories. Many subjects can be chosen in the university, and its strong point is Science. Three Nobel Laureates are from the University of Tsukuba. In all, I think students who want to be scientists and love Japanese cultures can go to the university.

After the introducing, the students from SHS and No.2 High School of East China Normal University gave us presentations about the air pollution and water pollution. Within 2 hours before lunch time, SHS’s students show us three presentations and five professors asked the students or gave them advice in turn. To be honest, it was a little difficult for me to understand all. But from their confidence, I can feel that they had a great preparation. And it might be a great academic communication.

After lunch time, we took a group photo to mark our memorize. I also found many junior high schoolmates, and one of the speaker was my classmate. Maybe I should study hard from now on.

In the afternoon, the professors also gave us two good presentations. They spoke in English, and some of the words I couldn’t hear clearly. On the other hand, I think if I go to Tsukuba in the future, the language will not be a big problem. So we don’t need to be worry.

At the end of the activity, we had a chance to communicate with the professors. The professor talked about Isotope and it was a little similar with our Chemistry subjects. The professor speaking, acting and even drawing. He was full of passion, and I was really respect to him.

Time passed quickly, we need to go back now. I really enjoyed the day and learned a lot. I will introduce the university to my classmates, and thanks the professors very much.
In October 12th, I had the honor to attend the exchanged meeting with the University of Tsukuba.

The whole activity makes me feel excited and brings me plenty of goods. Though the language inevitably becomes an obstacle to me and others' communication, sparks still shine.

Through the students from Shanghai High Scholl given speeches, I was inspired with some new ideas. Not only the new martial but also the Bioenergy benefit me.

Among the team discussion, Professor from Tsukuba shows me a new way may not only to save the energy to the construction. But also make it more 'green'.

The professor told us that we can reuse some stuff like scrap paper which is often using in office buildings. He also told us the prospect about the technology that if we can use the energy from the trees which they use to grow up, we will gain so much energy that the world needn't to be worry about the energy problem. Of cause, there are lots of probability in Bioenergy, but it is just enough to me.

My ambition is to be an architect. In this way, I am full of energy by thinking of that one day I may haves chance to add Bioenergy system to a building. As we all know, nowadays buildings is all over the world and filled in each city and in long distance we may not be eager for more buildings but good one. However, there is something that we should know that more buildings might be a kind of waste. For example, in china aging society is unavoidable starting to grow even unstoppable in short order. When the aged were gone but the new generation still remain young. The room of most buildings seem to be unnecessary. At this time, rebuilding may be promising.

All in all, what I want to emphasize is that I think Bioenergy may have a shot in construction and it comes to my mind just because the exchange meetings. So I think the activity is meaningful and useful and fun. I hope one day I could have a visit in Tsukuba University.

My English is not so good. So grammar mistakes are normal to appear and I wish that wouldn't bother your reading.
It is an honor for me to participate in the communication on the environment held by the University of Tsukuba. What shocked me first is the presentation made by my peers. They have made a very good job despite the heavy school work. Four groups of students from SHS and No.2 High School of East China Normal University shared their ideas of how to improve our environment during their presentation.

I am especially interested in the first one made by a student from SHS about the research of PM 2.5 & Black Carbon in the environment of the underground system in Shanghai. By collecting figures on two typical underground lines, I saw the significant difference of both the concentration of PM2.5 and BC due to the change of time and whether the environment is on the ground or underground, and I realized that it is our duty to reduce giving off PM2.5 and BC since the air from some underground stations is linked to the ground.

The professors' questions are really academic, but all of the students answered the questions with their own creative thoughts. All of the presentations are very valuable.

After the students' presentations came the professors' ones. Two professors from the University of Tsukuba showed us some new technologies and findings on life science and soil. I was interested in the first presentation about tracing water and material cycles by environmental isotopes. It showed us how to trace the natural cycles which are hard to figure out directly by isotopes. For example, we can trace water cycles by using the isotopes of hydrogen or oxygen. By using this kind of technology, we can know better about the changes of the environment so as to take effective measures to control them.

Then a former senior high school student from SHS, who is now a student from the university of Tsukuba, gave us a brief presentation of how to eliminate the activity of Amyloid β Aggregation by Kukoamins, the chemical from Chinese wolfberry, in order to prevent or treat Alzheimer's disease. In this way, the aged could live a better life.

Finally I exchanged some ideas with Prof. Zhang in Bioenergy, and realized that we can make better use of creatures to serve for our daily life and improve our living. During the one-day study, we broke the barriers of language, and I learned a lot from the students and professors. I realized that we can do a lot to improve our living conditions as well as keeping the balance of nature.
The Meeting Day

When I heard the university of Tsukuba would come to the SHS, I felt very excited because I missed the meeting last year. As a student of SEHS, I am very glad to have this chance to get general knowledge of the university of Tsukuba.

We meet the professors at a small hall. A beautiful professor introduced the university of Tsukuba to us. It is really a wonderful school. And then the students in SHS and the Second School introduced their survey results to us with English and made open reply with the professors. Their spoken English was very excellent so they are clam with the professional questions. They must devotes a lot of energy to the research so they can make such a report. At last the professor put forward some useful suggestions to us.

What impressed me a lot is the professors’ speech. I listened to them very carefully and have a probable knowing about the study which they were doing. The professor was very modest and amicable. I think having such a teacher like a friend can make us more eager for the knowledge. The interest in study is always important.

The sister mentor exchanged her experience with us in the university of tsukuba. From her words, I know it is a very smart university. Many major in it is very apiculate. The life there is abundant, the research there is wonderful. But most of all, the thick academic trends there attracts me extremely. I expressed keen interest with the university.

All in all, it’s really an unforgettable day and I hope will have the chance to enter it.
Distinguished professors from the University of Tsukuba,
I want to extend my gratitude to you for coming to Shanghai and giving us many wonderful speeches.
I always pay close attention to issues on environment protection, because I consider it as a meaningful cause and firmly believe that it can provide human beings with sustainable development as well as the only way to a splendid future. Thus, I really appreciate it that you gave me the opportunity to gain more knowledge in this field and also experience the academic communication firsthand.
On account of my limited knowledge, I could not fully understand the information in those researches and data, but they truly inspired me in many ways. Since humanities are what I love and where my passion is, experiments in science labs may have few chances to me. However, this event made me realize that environmental causes also need public consciousness and policy support. And that’s where I can apply my strong points to this profound career.
I hope that I can do my bit to build a future where man and nature will live in harmony.
Activity summary

In October 11th I was lucky enough to go to the Shanghai High School to attend the exchange activity the University of Tsukuba and the Shanghai middle school held together. Although only as an audience, the whole process in English is a challenge for me. Since I am not the student of SHS, I think it’s a great opportunity to contact with these excellent students. Through this event with the top students in Shanghai, I also have a good understanding of your university.

There are five very experienced and enthusiastic professors of your university have come to the event. Their serious questions and professional answers benefit me a lot. Although there is a little communication problem but it doesn’t influence the enthusiasm of both professor and us. Environmental protection, as a hot spot in recent years, is which I am very optimistic about the prospects of this area. Through the introduction, I also know that the University of Tsukuba and China are very close, with beautiful environment and high quality teaching. Some of the cultural atmosphere in Japan is not available in China, which in general, is a very good opportunity for student to widen their view and add a special experience to their life.

For me, I did not have the intention of going abroad, but I will introduce this activity to the students who have the will to study in Japan. Japan, as the neighbor that China contact the most frequently, is widely accepted in China, especially among young people. I believe that if we can study in Japan, it will give the Chinese young people to a new impression in Japan, in addition to animation.

Finally, I would like to give some advice on this activity. Although this is an academic activity, it can include something that can arouse students’ interest so that they won’t be so tired that even sleep in their seat after long time listening something they can hardly understand. Appropriate fun activities can increase their engagement.

Thanks to the professors of the University of Tsukuba’s participation in the day's of wonderful activities. Also hope that after this event will be better.