

Students who took part in the Hong Kong Fieldwork in the beginning of last February, held a briefing session for their juniors. They made presentations of what they learned, enjoyed. They even shared some troubles during the stay. Everyone was amazed to see the digest video of the tour created by students. It was an attractive video, so we might expect more junior applicants this year. Some posters to invite juniors to come to the briefing were much admired too.

◀Comments by participants(students) / The significance in connection to their study▶

“I didn’ t know anything about the Hong Kong Fieldwork. It was a good opportunity for me, because I was able to acquire the concrete image of the program. I think it is valuable as this program offers discussion sessions including delicate theme such as discrimination that exists between China and Hong Kong. I’ m not confident in speaking English, but I would like to apply for it. In ISS Challenge (SGH), I have been working on the study to improve Japanese athletic ability by using the theory of behavioral economics (Nudge). I feel it would be interesting if I can visit some facilities in Hong Kong that make use of Nudge.” (11<sup>th</sup> grader)

“I feel I would like to join this program, as I was able to know the details. This will give a new impact on my project study and I think it is important that I continue the study on a daily basis. I think it’ s a good challenge to learn in Hong Kong, not in the mainland of China, about the influence of China, and the contradictions against China, and so on. My project study is about the relationship of Japan, China, and Korea in the field of media, especially in literature and teaching materials. I would like to visit the place, meeting the local people, seeing their lives. I would like to know how the politics has affected them.” (10<sup>th</sup> grader)

**Prior learning #2 UCL Japan Youth Challenge**

University College of London

*Jun. 18, 2018*

The second prior learning for the UCL Japan Youth Challenge was held. Three of our students are going to leave Japan on July 27<sup>th</sup>. Each student chose one out of several topics proposed by UCL, then he /she wrote essays in English. With teachers as mentors, they exchanged ideas, information about problems associated with our ageing society combined with decreasing number of children. Teachers felt students were able to deepen their knowledge compared to the first prior learning session. The information of travel insurance and itinerary was provided, and we are sure we make steady progress toward the departure of this tour!

## One and Only Seminar @TGUISS (2)

### The Frontline Research of Nuclear Fusion

*Jun. 18, 2018*

Prof. Yuichi Ogawa, Graduate School of Frontier Science, Tokyo University delivered a one and only lecture on June 18. This is regarded as one of the prior studies of Michigan-Japan high school students science exchange program as well as one of the contents of combined classes that teachers of social studies and science have been organizing ---classes called 'Nuclear Power Plant and Energy Issues' since last year. In those classes, students have had the privileges to learn the current information from experts active in the forefront of their study fields. We collected students' questions to Prof. Ogawa in advance. And Prof. Ogawa answered questions such as the difference between the 'nuclear fusion' and 'nuclear fission', and scientific comparison of various energy in a simplified expression. By quoting a sentence by Prof. Torahiko Terada, "It is pretty hard to be afraid of something fairly," Prof. Ogawa asked us how an individual should figure the energy problem and what energy we should choose as Japanese citizens.

We are quite sure that Prof. Ogawa gave a drastic impact on students.

#### <Comments by participants(students)>

Last year I was able to learn about nuclear power and nuclear fission in some classes. Dr. Ogawa let me recognize my knowledge and he made my understanding deeper at the same time. I learned about something new, such as 'people can use sea water to create nuclear fuel.', 'Dr. Ogawa's team has been trying to contain high-temperature plasma and to create nuclear fusion.' I feel it is very rational to use sea water and it is useful to avoid the greenhouse effect. I understood the meaning of the word "plasma" as well. Dr. explained that there are four states of matter: liquid, gas, solid, and plasma. I was very interested in the existence of the fourth state, plasma, in which nuclei and electron move independently. I am not good at science, and I felt sorry that I didn't understand the lecture thoroughly, but I became more interested in nuclear fusion and energy. I would like to learn more about how we can change the idea of people who are reluctant to use nuclear fusion, which is the problem we should primarily solve. We appreciate Dr. to have given such a precious lecture.