

## 2019 Activity Record

### February 1<sup>st</sup>, 2020 Kyuyo SSH Students' final Presentation

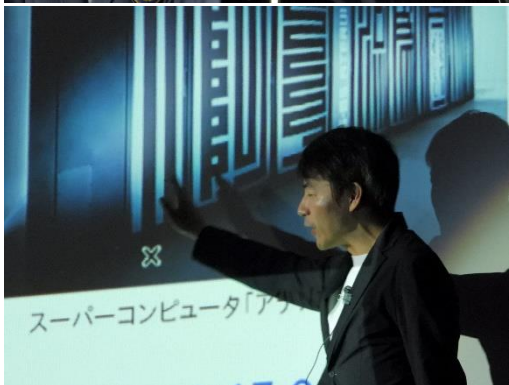


Image: Students in the Presentation

Kyuyo SSH students' final presentation was held at gym and martial art gym on the 1<sup>st</sup> of February. This year, international English course students and study quest of Kyuyo junior high school students in addition to the science and mathematics students joined the presentation. 23 posters were presented at the martial art gym in the morning and five of them did in English. In the afternoon, starting from SSH Taiwan science tour report, "Okinawa; focus on human resources development overseas" and "Hidden poverty –children in Okinawa" by international English course students, and science and mathematics course students did "Let's reduce the issues of plastic trash and food loss by biodegradability plastics", "Kaprekar number –discovery of proof and the number of loops", "The distribution and modeling of micro-plastic along the gulf coast of Kin", "The distribution of mile-a-minute weed in the main island of Okinawa", "the study of NR rubber of elasticity and heat ", and there were five made by oral presentation. Dr. Kokubo Eiichiro, who belonged to National Astronomical Observatory of Japan, were invited as an instructor with the simulation slides of lecture theme of "earth in the universe".

### February 2<sup>nd</sup>, 2020 The 3<sup>rd</sup> Guidance Committee



Image: How the guidance was held

The 3<sup>rd</sup> guidance committee was held at the laboratory on the second of February. The participants discussed the SSH students' final presentation and this year's summarization of the SSH program. The instructors said that the students' attitude toward the research has been getting better since the program started and the instructors gave good grades on the students' positive mind toward learning something new. But the instructors also pointed out that students still need some improvement like making graphs and poster designs, and hope we can teach the students how to use figures. We all teachers try the best we can to help the students get better evaluations on the SSH program.

## February 19<sup>th</sup>, 2020 Science Dialogue for Students of Science and Mathematics Course



Science dialogue for 2<sup>nd</sup> year science and mathematics course students were held at the martial art gym on the 19<sup>th</sup> of February. Dr. James Andrew Kwiecinski, who is from Australia and studies the role of mechanical and mutual interaction of structure in cells, was invited as an instructor. Theme was “Mathematics; From Modeling Proteins to Catching Criminals”.

Now, he deeply think about how to find the criminals’ residence by using the equation that has never been found yet. Some of the students were deeply impressed by his phrases like “everything in the world can be explained with Mathematics” and “the importance of challenging something new”. Although the equations used in the lecture might be difficult for the students, it seemed that the students received his passion toward the research mind. It was a good opportunity for the students to think about how mathematics they learn every day can contribute to the society.



Image : Students in Science Dialogue