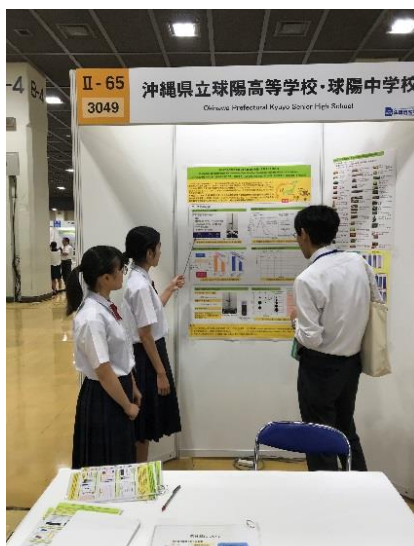


September, 2018

2018 Super Science High School Research Presentation (8-9 August, 2018)

Three of Kyuyo students from SS Biology club participated in the 2018 Super Science High School Research Presentation, in Kobe on 8th and 9th August. Their research theme was *UV Absorbance Substance included in the Skin of Beniimo (Purple Yam)*. This research won the Audience Award! Hooray! The students were glad that they could present their research to many people and could hear valuable comments from audience. According to them, the toughest part of the research was the



number of plants they took for examination was so many, so it was time-consuming to take up all the processes for examination.

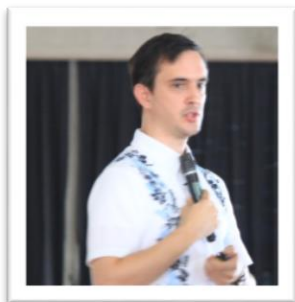
The 20th Meeting for Presentation on Scientific Research of Senior High School Science Course Students in Chugoku and Shikoku Region (August 28, 2018)

The Meeting was held in Saga Prefecture this year. Two groups of six students participated in the Meeting. In the stage presentation section, Kyuyo SS Chemistry club students won the prize for their research on *the Relationship of Cycad and Mud-dyeing*. In the Poster session section, SS Biology club won for *The Condition of Attacking Action of Chrysiptera cyanea*.

The 42nd Natural Science Section, in National Culture Festival for Senior High Schools in Shinshu 2018 (31 August, 2018)

Two of Kyuyo students from SS Physics club participated in the Festival in Kayano City, Nagano Prefecture, on 7th and 8th August. They gave a presentation on their research: "A Comparison of Vowels of Okinawan Dialect and Standard Japanese from the viewpoints of physical – Okinawan Dialect to pass on to future generation-." This research was honorably awarded *All Japan Senior High School Cultural Federation Award*. They said what they found enjoyable most in their research were to consider the results of experiments, and to consider what experiments could be done in the following stage. They said they had felt like almost giving up their research when they were struggling in the process of researching. However, they overcame it with the advice or support from their teachers and professors. They deepened their knowledge and perspective through the exchange with the students and researchers from other prefectures at the Festival.

JSPS Science Dialogue for International English Course (September 11, 2018)



We honorably welcomed Dr. Michel-Olivier Laurent, who is studying at the post-graduate course at the Faculty of Agriculture at the University of Ryukyus. The title of his lecture for the 2nd grade students in the International English Course was "Researchers: Globe-trotters." He was born in Peru, and moved to Belgium. His major is entomology, and his recent research theme is relocation behavior of *Diacamma* ants. After finishing PhD, he applied for a JSPS fellowship and arrived in Okinawa in 2016. He studied in Professor Tsuji's laboratory, in the UR. He now studies how ant colonies change nests. His focus is understanding how memory influences the nest choice. Amazingly, English is not his mother-tongue, but he spoke passionately in English about his research, the importance of cross-cultural understanding. In his lecture, he asked, "Why do researchers travel?" He answered in the lecture, presenting his experience of traveling around the world. "It is to learn new skills, to meet other researchers, to know new ideas and perspective, and to solve the difficult problems with other researchers."



Thank you, Dr. Laurent! We found that how important English is, and you are very encouraging for us because you have been successful in your study even though English was not your native language. Also, we were able to learn traveling makes you open your mind and find lots of exciting things. I want to travel, meet people, and learn deeper in my future. We wish you good luck on your research on Okinawa!

Interim Report for SSH Science and Mathematics Research II(September 12, 2018)

The interim report meeting was held aiming to help students to develop and improve their research with the advice from the Kyuyo SSH Board members who are professors at University of Ryukyus. The members are: Dr. Nishida, vice president of the UR, Dr. Tuji of the Faculty of Agriculture, Dr. Teruya, Dr. Yamashiro of Faculty of Education, Dr. Sugio of Graduate course of Faculty of Education, and Dr. Furukawa and Dr. Maeno of the Faculty of Science. Furthermore, we had galleries of science teachers from other high schools such as Koyo, Nago, Naha Kokusai, Kaiho, Miyako and Yaeyama. With the advice from those teachers and professors, students found which part to improve, and how to do it. Not only the contents of the research, students received advice on how to make audience understand. Professors pointed out they should pay attention to how one can convey their ideas in audience-friendly way. Students also could see other groups' posters and listened to their presentation, which got them much more motivated.

Okinawa Attractive Science and Engineering Symposium (1 September, 2018)

Okinawa Attractive Science and Engineering Symposium, OASES was held at the University of Ryukyus, on September 1, 2018. This program is organized by University of Ryukyus Okinawa Board of Education. Four students from Physics, ten from Biology, and six from Earth Science participated in the Symposium. They had been working hard to make their research in posters, and each group of field gave presentation using posters in the morning session. Audiences were professors of University of Ryukyus, science teachers from other high schools in Okinawa, and they gave us advice. In the afternoon session, we listened to a lecture, whose title was “Science



opens up your future path.” In the lecture, we learned about patents. Mr. Yasunobu Kinjo, conducted a scientific interesting experiment. Prof. Jun Maehara gave us a lecture on mathematics, demonstrating his magic. It was enjoyable experience to touch the models.