

2019 Activity Record

July 6th – 11th, 2019 The first prize at The 2019 Asia-Pacific Forum for Science Talented



Image: The students at the 2019 APFst

The 2019 Asia-Pacific Forum for Science Talented (APFst) was held in Taiwan from the 6th to 11th of July. Mr. Koizumi, who is our 2nd year student, participated in the forum as a representative of Japan. APFst is an international forum supported by the Taiwan government to nourish the scientist in the future. This year, the theme was set as “human resources of leadership for the scientists in the future”, and junior and high school students from 16 Asian countries. In this international forum, students of the multinational group members help each other to solve the problem. This year’s theme was “Rescue robot”. By using provided materials, participants help together to do programing to control and make robots. The rescue robot that they make here is not the big one to rescue at the disaster site, but the one to clear the imaginable situation. They kept try and error to make it better, which was like the people at the Silicon Valley. The skills to cooperate together in the situation that all people have different background is effective in this advanced society. Our students give many challenges, and this kind of activity will enable our students to overcome difficult situation in the future.

July 12th, 2019 OIST Lecture & Workshop



Image: Students in the lecture & workshop

OIST (Okinawa Institute Science and Technology Graduate University) held the lecture and the workshop on the 12th of July in the school laboratory. This year's theme was "Okinawa Reefs into the Future" as a workshop for learning the mechanism of coral reefs which makes ocean of Okinawa very rich. First, students learned the latest study of the ecology of coral reefs, and then they discussed the new idea to research in the field. Finally, they made presentations about it.

Although English was used in the workshop all the time, the participants tried to make communication without hesitating and asked many questions to the OIST instructors in English. We hope the students spent a wonderful time together and learned many things today. Please study and use English actively, and take an action to widen the point of view, not for the college entrance exam.

July 15th, 2019 Training for Science Leader



Image: students in the training

Science leader training was held and both Kyuyo SS club and Kyuyo junior high science club joined the program on the 15th of July. The aim of this program was for further understanding of nature of hometown and the research, and improve research skills through learning from different ages and background. Firstly, the students went to Katsuren-Joshi, which is located in the east coast of the main island of Okinawa, and did fieldwork about the topography and geology of the main island of Okinawa. Next, students moved to the north of the island and observed some living animals and plants in Mt. Nago. Students in these clubs act daily basis and hopefully learn from each other to improve their research skills.

July 16th, 2019 Special curriculum subject [Study Quest I] Midterm Presentation



Image: Students made speech in the midterm presentation

Midterm report of Study QuestI was held in the 16th of July. This subject started this year as inquiry activity of the International English course, and study about various social issues using keyword like SDGs and Okinawa 21st century vision. The purpose of this presentation was to explain preliminary investigation and research plan to the students and instructors and have discussion for further investigation. All of the students were nervous while making speeches, but some of them were calm and actually did well. The course has just begun. Do not hesitate to make mistakes, and let's challenge to learn new things. The rest of the information about students' theme is omitted.

July 26th, 2019 SSH Science English Laboratory



Image: Students in the Lab

The SSH Science English Laboratory was held on the 26th of July in the SSH lab. This year, two of the programs, “Cell Membrane Bubble Lab” and “The Cold World”, were done in the program. The aim of this program is to understand and consider, and have presentations through various scientific phenomenon. During the lecture English is used all the time, and so students need to have higher English skills. Five English native speakers (three of them were invited from other schools or prefectural education center) as instructor. Therefore, this unique lab could be done.

Soup bubble membrane was used to describe and learn the structure of cell membrane. In the “The Cold World” lecture students learned the phenomenon that when sodium chloride is mixed with ice, the substance drastically becomes under 0°C. Although the participants struggled listening and talking in English while experiment, all of them did the best effort they could, which made this program a wonderful moment.

July 28th, 2019 Symposium for High School-College Interaction of Deep Learning



Image: teachers in the symposium

The symposium for high school-college Interaction of deep learning was held at Holikawa high school of Kyoto city on the 28th of July. teachers of our school join the program. We could learn how to evaluate our students research activity and to give students feedback. Many teachers had many discussions about the usage of Rubric in Kyoto. We will utilize what we have learned in the symposium.

July 31st, 2019 Churaboshi Research Expedition



Image: students in the program

Our earth science club members participated in the Churaboshi Research Expedition using Subaru Telescope at National Astronomical Observatory of Japan (NAOJ) in Ishigaki island from 31st of July to 2nd of August. The telescope is one of the best in the world and called “Murikabushi”, which means Subaru in another expression, and has 105cm-size high quality lens. The students discovered the electric wave star named “the Goat RR Star” from the direction of the Goat that has never reported before. This discovery was remarkable for further understanding of the structure of Milky Way and the life of stars, which may contribute to the development of astronomy.