

July 2020

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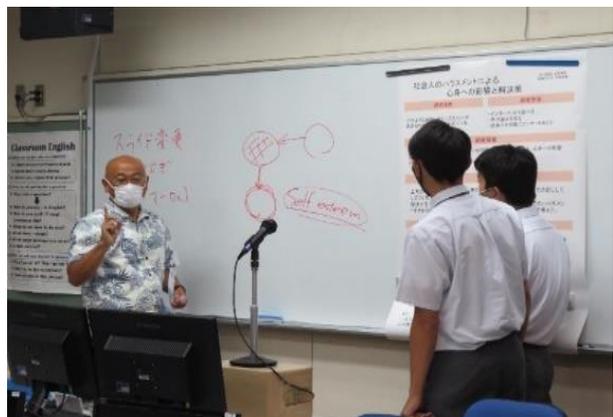
School Special Subject “Study Quest I” Discussion Day for themes (2020.7.16)

This meeting was held by the International English Department, to provide students with a midpoint project review by skilled professors in their designated fields. For the first time, Kyuyo High School invited eight professors from the University of the Ryukyus to provide advising and feedback on student-led research projects. After their projects were presented, students enthusiastically engaged in stimulating discussions and constructive criticism from university professionals in order to advance their research studies. At this event, many of the students, for the first time in their academic careers, received their toughest critiquing. Nonetheless, all of them openly accepted the guidance of their mentors and showed the willingness to learn from these corrections. Regardless of their limited time to prepare their projects due to pandemic-caused school closures from March to May, students had put forth their best efforts. They look forward to applying all that they have learned through this session in advancing their projects through the Spring semester.

After the project guidance session, the first guidance committee was established with experts from the University of the Ryukyus and supporting high school teachers. At this meeting, the guidance committee was surveyed for their impressions on the midpoint review of students' projects, and their feedback was graciously received to enhance future research methods.

<Attendees from the University of the Ryukyus are listed below>

Takashi Ishikawa (Professor, Faculty of Global Area Creation), Koji Sugio (Professor, Graduate School of Education), Eisaku Hamada (Faculty of Education/Associate Professor), Makoto Motomura (Faculty of Humanities and Sociology/Professor), Daisuke Ikegami (Faculty of Regional Creation, Associate Professor), Koichi Oguchi (Faculty of Regional Creation, Professor), Jun Kobayashi (Faculty of Health Sciences, Professor), Kiyomitsu Onodera (Faculty of Education, Professor).



● SSH Science English Laboratory (2020. 7. 30)



On July 30, 2020, Kyuyo High School hosted its annual Science English Lab Course in its very own state of the art lab . It was hosted by English Assistant Language Teachers Mary Beth McConnell, Jasen Ocol, and John Wilkening. Two experiments, "Luminol Reaction" and "Mysterious Phenomenon that Occurs at Extremely Low Temperatures" were performed as part of this year's program. In this program, scientific studies, including explanation, procedures, and presentations of performed experiments, were all conducted in English. Therefore, students were able to apply high English communications skills throughout their studies.

In one study, students conducted an experiment based on the principles of the Luminol Reaction. Students were excited to create and observe the glowing solution indicative of a successfully performed Luminol Reaction. In another study, students conducted an experiment studying the characteristics and effects of liquid nitrogen. Thanks to the contributions of the University of the Ryukyus, students were able to study liquid nitrogen at -196°C . In the last portion of the program, students observed the phenomenon between sodium chloride and ice resulting in 0°C . Students applied this concept in ice cream making.

Students engaged in challenging course work, but all participants expressed great eagerness to fully comprehend all scientific concepts. After observing their

experiments, students later summarized their data, analyses, and conclusions, through powerpoint presentations.

All students were provided the opportunity to present their discoveries to their lab peers.

Students were required to communicate and perform all lab work in English. A few of them struggled at the beginning, but their perseverance and resiliency resulted in a successful experience. In their surveys, many students responded, "It was amazing. It was fun," or "It was difficult, but it was fun." Others responded writing, "I think Science and English is fun."