

Accomplishments in 2015

Global point of view

Special subject "Science English"

This program aims to help students obtain communication skills as future scientists who will work with people all over the world. In particular, students learn presentation skills so that they can discuss their projects in English. They also learn some basic academic writing skills, and are required to write abstracts of their projects in English. The class is conducted once a week in the form of team teaching by an English teacher and a native speaker of English.



Overview

1st term: Basic presentation skills

- Students practiced giving presentations about given topics in pairs or in groups.



2nd term: Reading skills & Presentation skills

- Students read some scientific articles and participated in discussions related to the topic (In 2015, the topic was "hydrogen energy").
- Students gave poster presentations in teams on their science projects (at English Camp).

3rd term: Academic writing skills and Presentation skills

- Students conducted experiments with Korean students and gave presentations in teams.
- Students gave short oral presentations on their science projects.
- Students wrote abstracts of their science projects.



Special events

"SSH Special presentation workshop" (July)

We invited Ms. Sachiyo Vieheller (Inspire Corporation) to give a special presentation workshop. It was held as a part of the preparation for the Korea-Japan exchange program. The students worked in groups and learned skills for effective English presentation. Then, each group enjoyed giving impromptu presentations and received individualized coaching from Ms. Vieheller.



"SSH Special academic writing seminar" (July / February)

We invited Mr. Jeffrey L. Hart (Radiation Effects Research Foundation) to give us a special academic writing seminar. The students learned some characteristics of science English, and how to write a good abstract in the domain of science. The students wrote abstracts on their science projects, and were given some comments from Mr. Hart.



"SSH English Camp" (December)

We held a two-day English Camp in November. In this camp, students enjoyed various activities in English. We had three volunteer overseas students from Hiroshima University, who helped the students make English posters for their presentations on their science projects.



Moral values

Science and Ethics

In "Science and Ethics", students learn about the relationship between science and ethics from lectures by guest speakers. The lectures are mutually linked and facilitate independent thought of the students.



"Nuclear power generation and the atomic bomb: from the viewpoints of a scientist and a historian"

- 1) "The limits of logic in "natural science" - The ties Between Fukushima, Chernobyl, Hiroshima, Nagasaki"
- 2) "Nuclear power and the atomic bomb as an international issue: How scientists have confronted the nuclear age"

Kimura, Shinzo (Dokkyo Medical University)

Higuchi, Toshihiro (Kyoto University the Hakubi Project [Moved to Department of History, Georgetown University on 1 January, 2016])

"Thinking about Science and Technology – Introduction to Philosophy of Science"

Naoe, Kiyotaka (Graduate School of Arts and Letters, Tohoku University)

Study of Ethics

Students discussed various issues related to science and ethics in all subjects.

Active roles in a sustainable society

ESD study

Teachers of different subjects conduct the class in relays, and students discuss various topics related to "sustainable society", especially on issues related to the Seto Inland Sea. This program includes fieldwork as well as classroom discussions, and students are expected to increase their awareness of these issues and to see things from various perspectives.

General Theory of ESD

Topics related to ESD are incorporated in all subjects in order to develop a deeper appreciation of the idea of ESD.

ESD field trip overseas

We had an exchange program with Cheonan Jungang High School in the Republic of Korea in order to develop students' ability to consider environmental issues from a global point of view. The teachers of both schools worked together to develop teaching materials and conduct cooperative classes in cooperation with universities and other institutes.

Visiting Cheonan Jungang High School (in October)

Korean students visiting our school (in January)



Discussion (in English)



Experiment (Physics)



Presentation