

Accomplishments in 2015

Global perspective view

Special Subject "Science English"

This program aims to help students gain communication skills in English. The program is designed for students who are interested in science and technology. The classes are conducted in English by a native English teacher and a Japanese teacher.



Overview

- 1st term: Basic presentation skills**
 - Students practiced giving presentations about given topics in groups.
- 2nd term: Reading skills**
 - Students read some scientific articles related to the topic "hydrogen energy" in teams on their science projects.
 - Students gave poster presentations in 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 for their science projects.



Special events

- "SSS Special presentation workshop" (July)**

We invited Ms. Sachyo Yonehara (Nippon Steel Corporation) to give a presentation on "The preparation for the Korea-Japan workshop." The students worked in groups and learned effective presentation skills. The workshop enjoyed giving impressive presentations from Ms. Vieheller.
- "SSS Special academic writing seminar" (July/August)**

We invited Mr. Jeffrey L. Hart (Academy of Environmental Effects Research Foundation) to give us a special seminar on "The characteristics of scientific writing." The students learned some characteristics of scientific writing. They wrote abstracts of their science projects, and were given some comments from Mr. Hart.
- "SSS English Camp" (October)**

We held a two-day English camp in November. In this camp, students enjoyed various activities in English. Three volunteer overseas students from Hiroshima University and two students from Hiroshima University made English 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 merits of logic in natural science" - The ties Between Fukushima, Chernobyl, Hiroshima, Nagasaki"
- 2) "Nuclear power and atomic bomb as an international issue: How scientists have confronted the nuclear power"

Kimura Shinzo (Dokkyo University)
Higuchi Toshihiro (Kyushu University)
Gotoh Tetsuo (Gakushuin University)
Hakubi Project [Moved to Department of History, University of Tokyo, January, 2016]



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

Naoe Yotaka (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 relation to "sustainable society", especially on issues related to 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 global issues from a global point of view. The teachers of both schools worked together to develop learning materials and conduct cooperative classes in cooperation with universities and other institutions.

Visiting Cheonan Jungang High School (in October)

Korean students visiting our school (in January)



Discussion (in October)



Experiment (Physics)



Presentation