Super Science High School (SSH)

Aim of Research:

To develop educational programs intended to raise young leaders in the "sustainable society" through acquisition of systemized scientific knowledge, cultivation of global viewpoints and nurturing of moral values.

Integrated decision making

The ability to make a comprehensive judgment based on knowledge acquired with study and experience is essential in modern society, facing various global issues such as environmental problems.

Students need to be able to identify potential problems and have the knowledge and skills to deal with them. Developing the ability of "integrated decision making" is going to be of greater importance in realizing the "sustainable society".

Active roles in the sustainable society

Global point of view

Programs to develop students' ability to think from a global point of view



Special Subject "Science English"

In this program, students learn to make effective presentations in English. They also read and analyze English essays and papers in the field of science. The program includes workshops and English lectures so that the students will be prepared to communicate with other scientists all over the world.

Global point of View



Study trip abroad

Students stay with local families in the U.K. or Australia during spring vacation, and study English at local schools or other institutes. Through this program, students learn to appreciate different viewpoints.

Systemized scientific knowledge

Programs to motivate students to appreciate scientific thinking

Systemized seientific knowledge





Frontier science lecture

Researchers in frontier fields of science are invited to give lectures and perform experiments.



Visiting professionals

Students visit researchers at universities and other institutes in order to come into contact with the latest developments in science.





Pioneer studies in science

Students experience pioneer studies in science under the guidance of postgraduates and researchers.



Science project tour

Students visit various institutes in order to learn about state-of-the-art science and technology.



...for senior high / optional S2 ...for 2nd grade (Senior)

...for 2nd grade SS course (Senior)

S3SS ...for 3rd grade SS course (Senior)

Active roles in a sustainable society

Programs to develop students' ability to approach global issues from various angles



ESD (Education for Sustainable Development) study

Topics related to "sustainable society" will be discussed in several different subjects, encouraging students to see things from various angles.



ESD field trip overseas

In cooperation with high schools and other institutes overseas, teachers develop teaching materials and form research teams, and students experience cooperative research. This program is designed to develop the ability to consider environmental issues from a global point of view.



General Theory of ESD

Topics related to ESD are taken up in all subjects. By learning ESD content in different subjects, students are expected to appreciate the idea of ESD more deeply.



Moral values

Programs for deeper understanding of science and moral



Science and Ethics

This program includes lectures by guest speakers, and students are required to discuss the relationship between science and moral values.



Study of Ethics

Various issues related to science and ethics are discussed in all subjects.



Inquiry of Science I

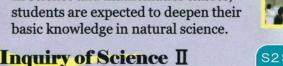
In science and mathematics classes,

subjects to develop students' scientific

abilities for integrated decision making.

thinking, problem solving skills, and

This program is carried out in all





Special subject: "Mathematical Modeling and Analysis"

Students learn to solve problems from a mathematical point of view and learn to take an objective view of social matters.



S2SS (S3SS) S10

Research project



Students carry out their original projects in groups and present their results at conferences.