

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".

Global point of view

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

S2SS



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.

SO



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

JO S1 S2SS SO



Frontier science lecture

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

S1



Visiting professionals

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

S2SS SO



Pioneer studies in science

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

S2SS



Science project tour

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

Active roles in the sustainable society

Integrated Decision Making

Systemized scientific knowledge

Moral values

J

...for junior high

JO

...for junior high / optional

S

...for senior high

S1

...for 1st grade (Senior)

SO

...for senior high / optional

S2

...for 2nd grade (Senior)

S2SS

...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

S2



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.

S2SS



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.

J S



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 values.

S



Science and Ethics

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

J S



Study of Ethics

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

J S



Inquiry of Science I

In science and mathematics classes, students are expected to deepen their basic knowledge in natural science.

S2SS



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.

J S



Inquiry of Science II

This program is carried out in all subjects to develop students' scientific thinking, problem solving skills, and abilities for integrated decision making.

S2SS S3SS S10



Research project

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