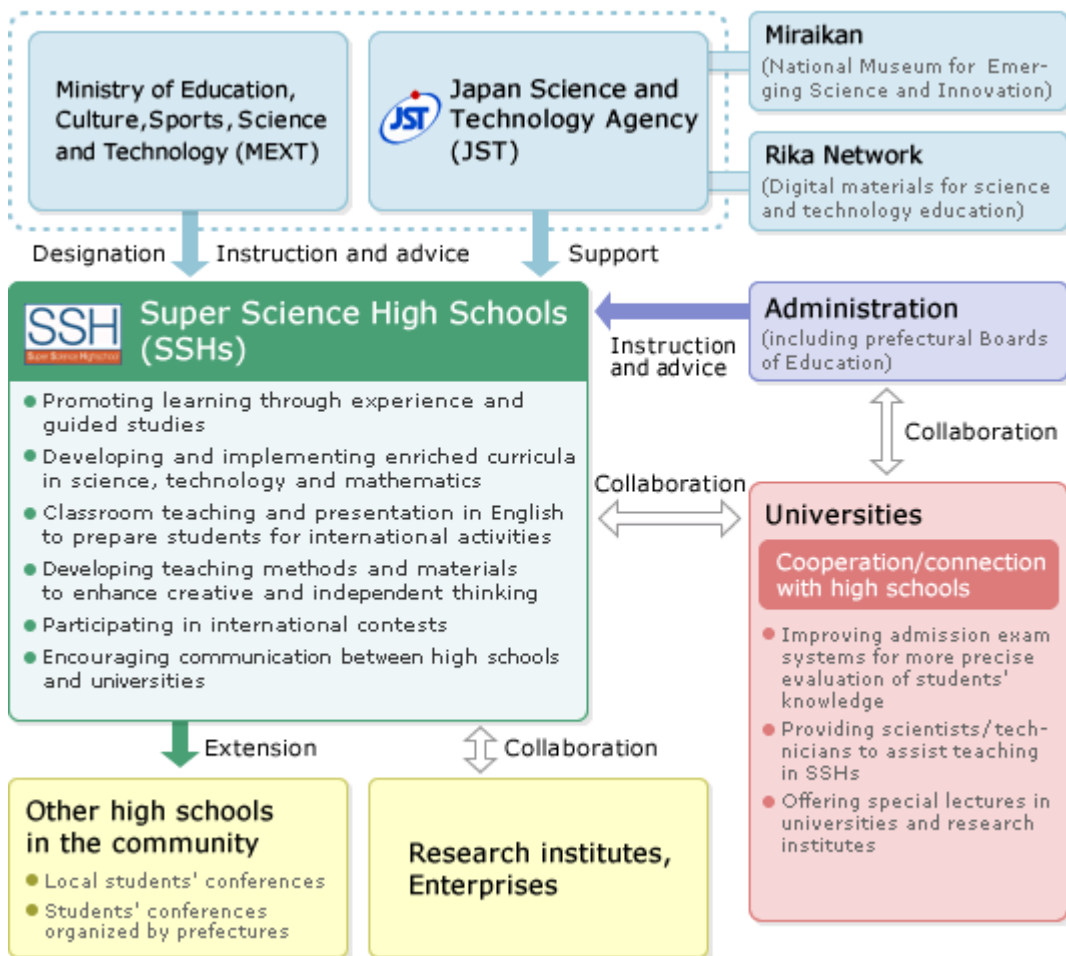


Toyama Chubu High School as a Super Science High School

At the end of March 2014, Toyama Chubu High School was selected by the Ministry of Education, Culture, Sports, and Science and Technology, as one of the 204 Super Science High Schools. The designation is from April 2014 to March 2019, but the period can be extended for another five years by request. Toyama Chubu High School is the third Super Science High School in Toyama Prefecture, following Toyama HS (2002 - 2006) and Takaoka HS (2003 - 2007).

Here is the support system for the Super Science High Schools



(http://rikai.jst.go.jp/eng/e_about/e_sshs.php)

The main object of our school's SSH project being "nurturing future leaders who can play active parts in the world", we plan to train the students according to the following three specific focuses.

- 1) To foster the students' inquiring mind
- 2) To enhance the students' ability to think scientifically
- 3) To strengthen the students' ability to express themselves

To nurture future leaders who can play active parts in the world

University/ Graduate School

Overseas

Toyama Univ. etc

Overseas Exchange Program etc.

To develop students' ability to inquire / think scientifically / express themselves

Toyama Prefectural Board of Education (General Education Center)

Collaboration with Takaoka HS, Toyama HS

Designated subjects for SSH projects

- o 「Extended Inquiry β」 (3rd grade)
- o 「Extended Inquiry α」 (2nd grade)
- o 「Basic Inquiry」 (1st grade)

Collaboration with other schools

- o Joint Presentation (1st & 2nd grades)
- o Meeting of teachers in charge of Course of Inquiry

Collaboration with universities

- o Outdoor Training (1st year)
 - Training at Tateyama
 - Training at Noto
- o Intern Training at college (2nd Grade)
 - Tokyo Univ, Toyama Univ.
- o SS Lectures (all grades)
- o SS Club activities

- o SS Physics
- o SS Chemistry
- o SS Biology
- o SS Mathematics (2nd and 3rd grade)
- o Advanced Inquiry β (3rd year)
- o Participation in "Toyama Science Olympics" and other competitions

- o Improving English Lessons
 - Debate
 - Writing Portfolio
 - Presentation
 - Participation in English speech contests
- o Science English in Advanced Inquiry α (2nd grade)
 - Team-teaching by English and science teachers
- o English Science Camp
- o Study Trip to the U.S.
- o Academic Exchange with a school in Australia

Foci

Hypotheses

Focus 1 : How to improve students' ability to inquire in collaboration with universities and high schools

〈Hypothesis 1〉 By working with universities and high schools, students will develop their ability to inquire comprehensively

Focus 2 : How to improve students' ability to think scientifically

〈Hypothesis 2〉 By studying science subjects extensively for 3 years, students will develop their ability to think scientifically

Focus 4 : How to improve students' ability to express themselves

〈Hypothesis 4〉 By participating in overseas programs, students will develop international perspectives and improve ability to express themselves

Participation in competitions (Toyama Science Olympics, etc.)

Toyama Chubu SSH

Present situation

Development is necessary in the management of the Course of Inquiry

Students are expected to develop faculty for logical thinking and rational judgment

The number of science-oriented children is expected to increase

Most of the students are not accustomed to expressing themselves in public

Local network to encourage enthusiasm in young people for science and technology

SS club members, Alumni, high school teachers, General Education Center staff

Local elementary school /junior HS students

SS Science Seminar for Kids

Toyama Science Olympics

Focus

Focus 3 : How to improve students' ability to think scientifically with the help of local support network

Hypothesis

〈Hypothesis 3〉 By establishing local network to encourage enthusiasm in young people for science and technology, the number of science-oriented students will increase and their ability to think scientifically will improve