

Designated by MEXT  
Super Science High School: the fifth stage

2023

**S**cientific

**A**cademic

**G**lobal

**A**utonomous

▶ Research and Development Issues

Development of an internationally accepted science education curriculum that will serve as a starting point for fostering innovative human resources in science and technology

▶ Hypothesis

By establishing special subjects (SAGAs<sup>TM</sup>\*) and developing science education curriculum with "research project" at its core, young leaders of sagacity with SAGA (Scientific, Academic, Global, and Autonomous) mind can be nurtured.

Note: "SAGAs" is a coined word with the double meaning of the abbreviation of "Science", "Academic", "Global", "Autonomous" and "research" or "sagasu" in Japanese.

▶ Aim of research

The aim of this research is to establish special subjects that cultivate sagacity and develop science education curriculum based on the "research project" with a view to nurturing young leaders who can play crucial roles in the innovation of science and technology at the period of revolutionary social change.

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*Super Science Highschool*

Hiroshima University High school



# Scientific

Based on the curriculum development by the third Stage of SSH, develop interdisciplinary curriculum, Which forms the basis of the "research project".



iSAGAs Basic(1<sup>st</sup> grade)



Pioneer Studies in Science: Geology (2<sup>nd</sup> grade, AS)

# Academic

Under the support system from all the faculties And graduate courses at Hiroshima University, Develop a "high school-university cooperation system" And advance the "research project".



Math B Plus(2<sup>nd</sup> grade)



iSAGAs Basic(1<sup>st</sup> grade)



Overseas Training Program in Korea (2<sup>nd</sup> grade, AS)



Science Communication(2<sup>nd</sup> grade, AS)



Visit of Students from Korea (2<sup>nd</sup> grade, AS)

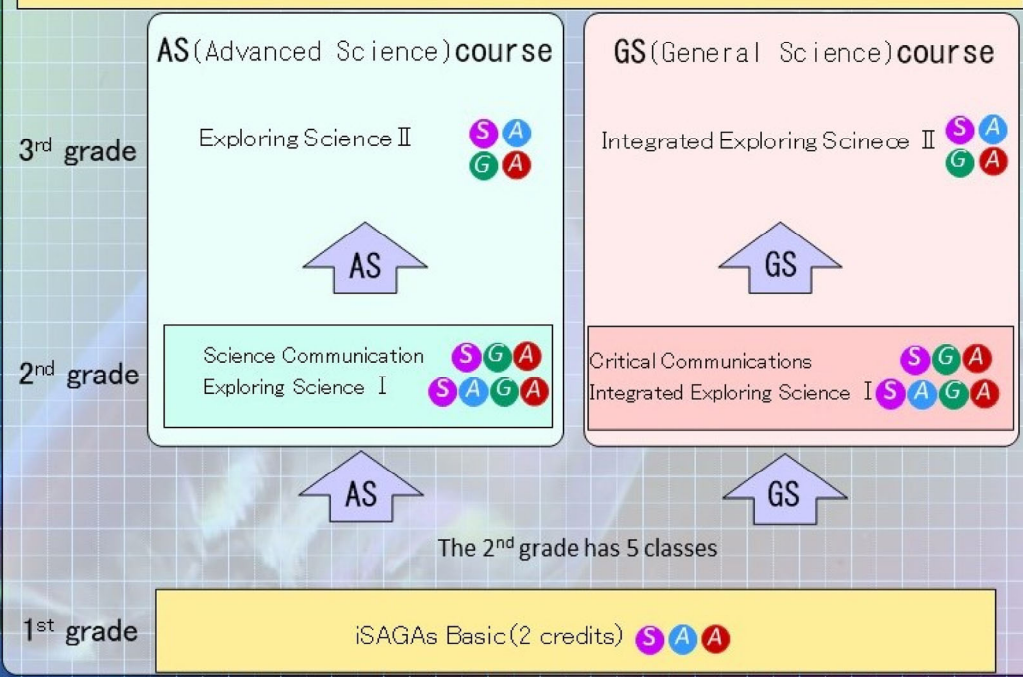


Cooperative Research Program In Thailand(3<sup>rd</sup> grade, AS)

Fundamental Ability to Lead Science and Technology Open to Society

## iSAGAcity

iSAGAs : Discretionary Lesson Subject to enhance the sense of exploring



# Global

- Develop the "cooperative research program with students overseas" and promote the scheme to encourage the students to work on their "research project" in cooperation with high school students in Korea and Thailand.
- Develop a program to gain support from international students at Hiroshima University

# Autonomous

Systematize teaching method and assessment of the "research project" and publish "Hiroshima University (HU) Method" with a view to advancing independent And autonomous "Research Project".



Hiroshima University Advanced Placement (2<sup>nd</sup> grade)



Research Project with the cooperation of Hiroshima University N-BIRD (3<sup>rd</sup> grade)



Pioneer Studies in Science: Biology (2<sup>nd</sup> grade, AS)



Pioneer Studies in Science: Basic Chemistry(2<sup>nd</sup> grade, AS)



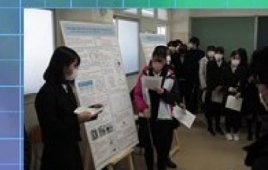
Pioneer Studies in Science: Nano devices(2<sup>nd</sup> grade, AS)



Science Competition (3<sup>rd</sup> grade, AS)



Ocean Training(2<sup>nd</sup> grade, AS)



Research Project Presentation (2<sup>nd</sup> grade)