

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) 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 of “sagasu” in Japanese.

► Aim of research

To establish a special subject (SAGA) and develop a science education curriculum based on the “research project” with a view to nurturing young leaders who can play a vital role in the innovation of science and technology at the period of revolutionary social change.

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Super Science Highschool

広島大学 大学附属 高等学校



SSH Super Science Highschool



# Scientific

Based on the curriculum developed by the third stage of SSGH, we develop a hierarchical 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".



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



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

Tour of Synchrotron Radiation Facilities (2<sup>nd</sup> grade, AS)  
Fundamental Ability to Lead Science and Technology Open to Society

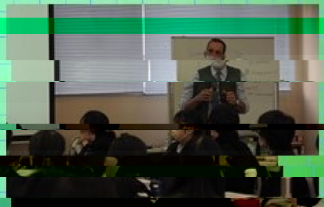
## iSAGACITY



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



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



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)

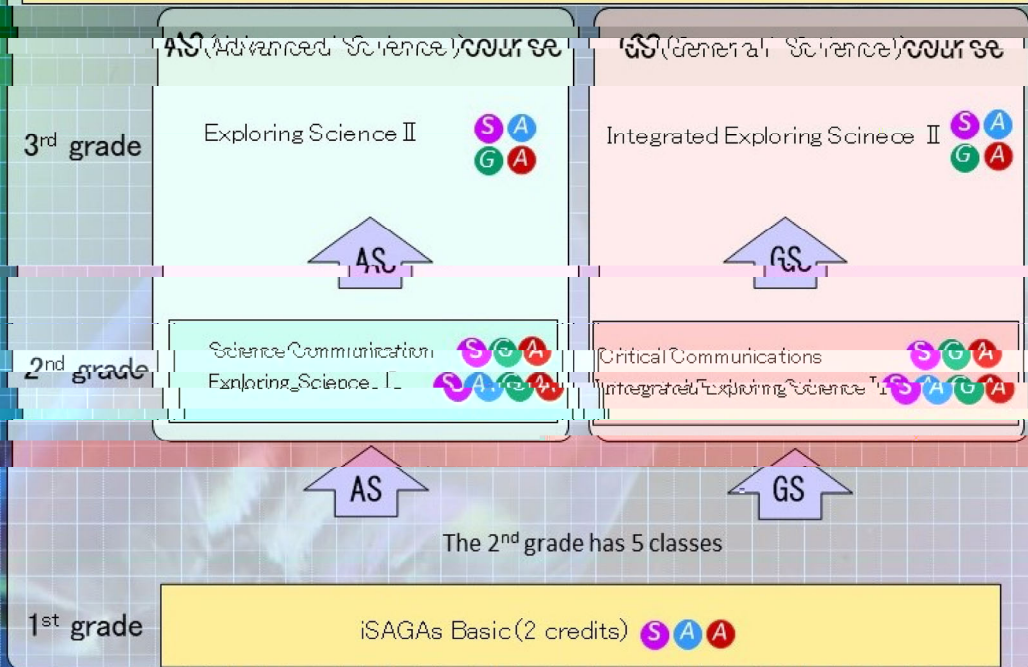
iSAGACITY is Dictating a subject to the student to be a research project.



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



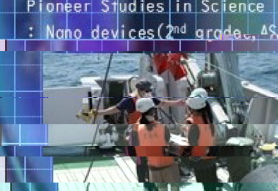
Pioneer Studies in Science: Basic Chemistry (2<sup>nd</sup> grade, AS)



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)

# 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".