

Designated by MEXT  
Super Science High School: the fourth stage  
2022

**S**cientific

**A**cademic

**G**lobal

**A**utonomous

▶ **Research and Development Issues**

To develop a curriculum for science education and nurture young leaders in the field of 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” 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".



Integrated Science(1<sup>st</sup> grade)



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



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".



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



Integrated Science(1<sup>st</sup> grade)

Fundamental Ability  
to Lead Science and Technology  
Open to Society

## SAGAcity



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)



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



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



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

### SAGAs : Discretionary Lesson Subject to enhance the sense of exploring



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



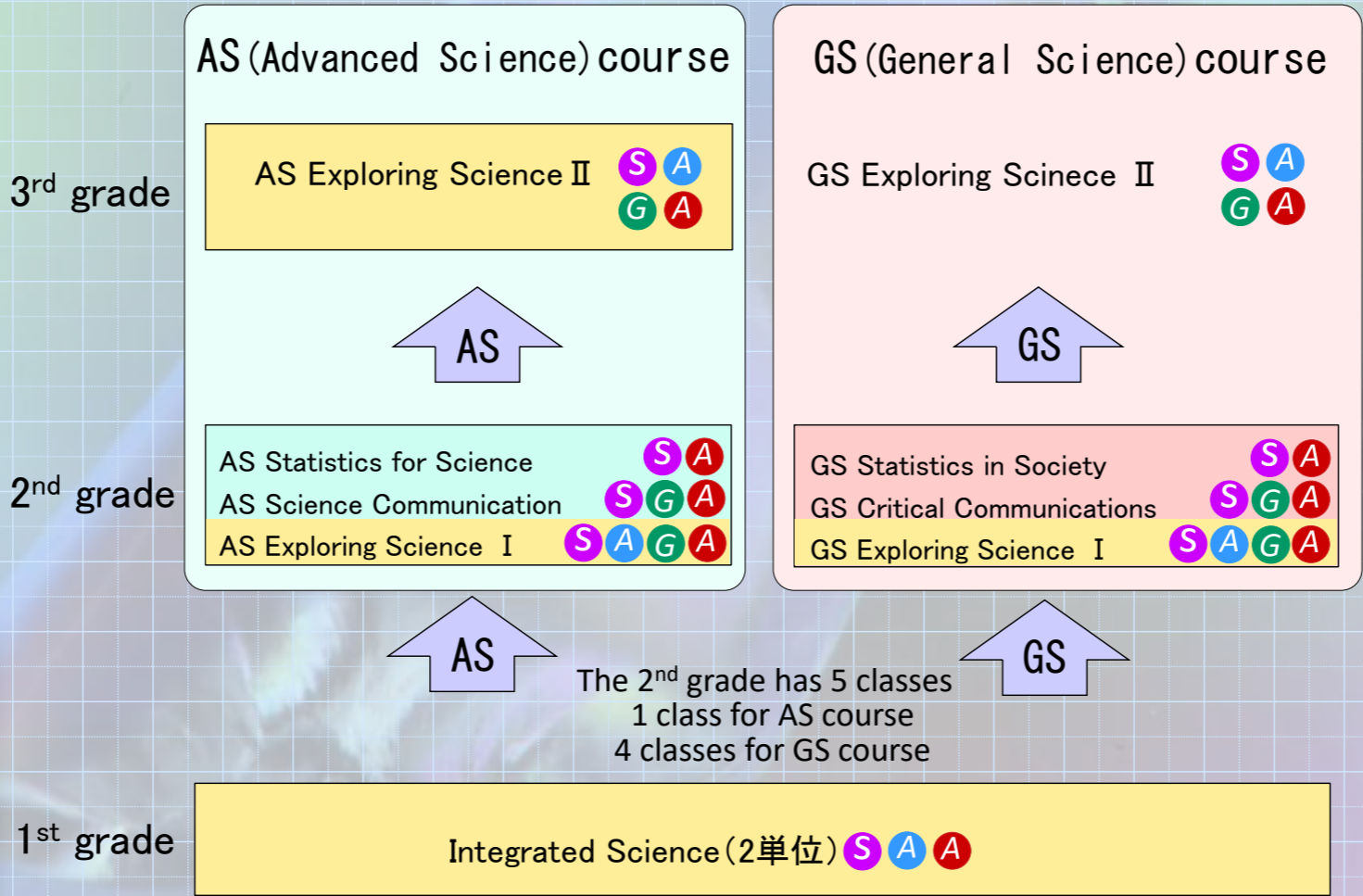
Visit of Students from Korea  
(2<sup>nd</sup> grade, AS)



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



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



# 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".