

SCIENCE RESEARCH PROGRAMME (SRP) 2025/26

ORGANISATION

The Science Research Programme (SRP) was established in 1988 by the Faculty of Science, National University of Singapore (NUS) in collaboration with the Gifted Education Branch, Ministry of Education. In the current cycle, mentors for the Programme come from the National University of Singapore's Faculty of Science, Faculty of Engineering, and Yong Loo Lin School of Medicine; A*STAR's Bioinformatics Institute (BII), Institute of Molecular and Cell Biology (IMCB); Institute for High Performance Computing (IHPC) and Infectious Disease (ID Labs) and Defence Science Organisation (DSO) National Laboratories, among others.

OBJECTIVE

The main objective of the Programme is to give selected first-year Junior College/Year 5 Integrated Programme students who have demonstrated interest and aptitude for scientific research, the opportunity to be in a mentorship and undertake research projects in a scientific and technological community, acquiring critical inquiry and research competencies, and desirable dispositions of practitioners in the scientific field.

PROGRAMME

The Programme comprises 2 parts:

- Mentorship Attachment
- Science Research Congress

The Mentorship Attachment offers students the opportunity to work on research projects in Life/Medical Sciences, Chemical/Physical Sciences, and Engineering under the guidance of mentors from NUS and other established research centres. Students work in a real-world research environment.

During the mentorship attachment in May/June, the student spends *at least* 2 weeks working full-time on the research project.

Thereafter, the student meets with the mentor on a regular basis to complete the research work. Every student writes a scientific paper at the end of the Attachment. The papers will be published as Proceedings of the 38th Science Research Congress.

The Science Research Congress which will be held in April 2026 offers students an opportunity to communicate their research findings to an audience of mentors and interested JC students. On the successful completion of the Attachment, certificates of participation in the SRP 2025/26 will be presented to the students at the Congress.

Since 2006, the student in the SRP may submit his/her research project for assessment as a H3 subject. Students offering H3-SRP would have to submit their scientific papers for H3 assessment in January 2026 and take part in an oral defence in late February 2026.

ADMISSION CRITERIA

Interested eligible JC1 H2 and Year 5 IP science students should first apply to participate in the Research Methods Module (RMM).

Shortlisting criteria for participation in RMM

About 140 students will be shortlisted for participation in the RMM based on:

- Strong academic performance;
- Interest demonstrated in scientific research-related activities in Secondary School; and
- JC or IP School Principal's recommendation.

Admission criteria to SRP 2025/26

The admission criteria include:

- Successful completion of Research Methods Module (RMM),
- Attendance at the 37th Science Research Congress
- Acceptance of an approved Research Plan by a mentor.

RESEARCH METHODS MODULE (RMM)

In addition to 3 lectures held in-person at NUS, other RMM lectures will be accessible online from 1 April. Students are introduced to the library resources available on-campus, basic laboratory safety, ethics in research and gain some insights into the current R&D available in participating departments/research centres in NUS. Students who intend to proceed to SRP 2025/26 then identify a self-selected research topic, perform background literature search and formulate a viable research plan.

On completion of the RMM and attendance at the 37th Research Congress, students interested to proceed with the Mentorship Attachment and Science Research Congress may then submit a Research Plan to a prospective mentor and apply for admission to SRP 2025/26 in May. On acceptance of the Research Plan approved by either a H3-SRP supervisor or an Enrichment-SRP mentor, they qualify as participants of the SRP 2025/26.

TIME FRAME FOR RMM

1 - 24 Apr 25	Complete the Research Methods Module (RMM)
26 Apr 25	Attend 37 th Science Research Congress (online)

TIME FRAME FOR SRP 2025/26

By 30 May '25	Apply for SRP 2025/26
Jun '25	Attend <i>at least</i> 2-week Full-time Attachment during the vacation
Jun – Nov '25	Work on research projects
Mid Aug '25	Register H3-Science Research projects (if applicable)
Mid Jan '26	Submit H3- and Enrichment-SRP scientific papers & abstracts
Late Feb '26	Oral Defence by H3-SRPians 2025/26
Late Apr '26	Presentations by Enrichment-SRPians 2025/26 at the 38 th Science Research Congress

INFORMATION SHEET

APPLICATION PROCEDURES FOR RESEARCH METHODS MODULE (RMM)

To Student,

1. Prepare the following information beforehand:

A. Questions:

- i. What do you hope to achieve as a participant in RMM? (max: 100 words)
- ii. What are your long-term career goals? (max: 100 words)

B. Details of participation in science / engineering / mathematics-related activities:
(Up to 6 per category from Sec/Year 1 to 4)

- i. Mentorship Attachment (State the Programme, Institution/Organisation/Dept and Year)
- ii. Science & Engineering Fair/Science Fair/Project Work (State title of project, award and year obtained)
- iii. Bio/Chem/Informatics/Math/Phys Competition and Olympiad (State highest grade/award and year obtained)
- iv. Tan Kah Kee Young Inventors' Competition and/or Innovation Programme (IvP) Fair (State title of product, award/prize and year obtained)

2. Apply online via this [link](#) between **Mon, 20 Feb** and **Fri, 24 Feb 2025**.

- A. Your college/school may require you to submit the completed form in hardcopy for approval and endorsement.
- B. You may download the form from [SRP Singapore \(google.com\)](#) (under the Registration tab) and submit the completed form to your college/school liaison teacher before you register online. The deadline will be set by your college/school.