

### SCIENCE RESEARCH PROGRAMME (SRP) 2026/27

#### 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 (SRC)

**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 39<sup>th</sup> Science Research Congress.

**The Science Research Congress (SRC)** which will be held in April 2027 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 2026/27 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 2027 and take part in an oral defence in late February 2027.

### 2-STAGE APPLICATION

Interested eligible JC1 H2 and Year 5 IP science students should first apply to participate in the Research Methods Module (RMM). Upon completing the RMM and attending SRC, they then apply for admission to SRP 26/27.

#### Shortlisting criteria for participation in RMM 2026

Students will be shortlisted for participation in the RMM based on:

- a) Strong academic performance;
- b) Interest demonstrated in scientific research-related activities in Secondary School; and
- c) JC or IP School Principal's endorsement based on the above, school policy related to co-curricular participation, among other considerations.

#### Admission criteria to SRP 2026/27

The admission criteria include:

- a) Successful completion of Research Methods Module (RMM),
- b) Attendance at the 38<sup>th</sup> Science Research Congress
- c) 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 and readings will be accessible online from 1 April. Students are introduced to the library resources available on-campus, basic laboratory safety, ethics in research and current research in NUS.

On completion of the RMM and attendance at the 38<sup>th</sup> Research Congress, students who intend to proceed with the Mentorship Attachment and Science Research Congress are to

- a) identify a self-selected research topic or a topic offered by potential mentor from NUS,
- b) perform background literature search and
- c) formulate a viable Research Plan for submission to prospective mentor.

Upon acceptance by mentor, students then qualify as participants of the SRP 2026/27. Students who wish to offer H3-SR must seek the mentor's consent to take on the role of H3-SR Supervisor and to submit the research report for examination.

### TIME FRAME FOR RMM

1 - 24 Apr 26                      Complete the Research Methods Module (RMM)

25 Apr 26                         Attend 38<sup>th</sup> Science Research Congress (online)

### TIME FRAME FOR SRP 2025/26

By 22 May '26                      Submit Project Contractual Undertaking (PCU) for SRP 2026/27

Jun '26                                Attend *at least* 2-week Full-time Attachment

Jun – Nov '26                        Work on research project

Mid Aug '26                         Register H3-Science Research project (if applicable)

Mid Jan '27                         Submit H3- and Enrichment-SRP scientific paper & abstract

Late Feb '27                         Oral Defence by H3-SRPians 2026/27

Late Apr '27                         Presentations by Enrichment-SRPians 2026/27 at the 39<sup>th</sup> Science Research Congress

**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)
- iii. What achievements, or challenges, or failures in your STEM exploration do you remember most? Why?

B. Details of participation in science / engineering / mathematics-related activities:  
(4 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 **Fri, 20 Feb** and **Tue, 24 Feb 2026**.

- A. Your college/school may require you to submit the completed form in hardcopy for approval and endorsement before you apply online.
- 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.