

**Attn: HOD (Science) / CCA Coordinators
All Secondary Schools**

Dear Teachers,

Applications for Science Centre Singapore's Youth Science Empowerment Programme (YSEP) 2025 are now open!

[Register for Teachers briefing on 6 March, 3pm](#)



[Applications are open now! \(Applications close on 1 April\)](#)



For any enquiries, contact Ms Ng Mei Bao at youth_programme@science.edu.sg

Science Centre Singapore is thrilled to offer our flagship Youth STEM Empowerment Programme (YSEP) again for 2025.

What is YSEP about?

YSEP is a mentoring programme that guides secondary school students to develop innovative products and solutions to solve real-life community problems using Science, Technology, Engineering and Mathematics (STEM). The programme also equips the students with relevant design thinking, communication and STEM skills.

How are the students mentored?

Each group of students will be mentored by academic or industry mentors. Under their mentor's guidance and various interactions with their communities, students will identify a problem and develop STEM-based products and solutions. Apart from gaining STEM concepts and skills from their mentors, they will also be exposed to soft skills such as design thinking, project management and teamwork. Students will work in teams to empathise, ideate, and prototype a project relating to a topic of their choice.

What kind of projects will students do?

The mentoring programme aims to raise students' awareness of the United Nations Sustainable development goals (SDGs) and the need for STEM to address these goals. The goals that we will be addressing in 2025 are:



In line with the selected SDGs, students will work in teams to empathise, ideate, and prototype a project relating to one of the following topics:

- 1) Underserved communities in Singapore – Elderly
- 2) Climate Action – Water Sustainability

How to join the programme?

- 1) Form a team of 4 – 5 students.
- 2) Scan the QR code to submit an application by 1 April, 12pm.
- 3) Notification of acceptance will be sent latest by 14 April.

Students will be required to state in their application the following:

- Which topics they are interested in (first and second choice)
- Why do the topics matter to the group
- A potential problem the group would like to address regarding the community of interest



<https://for.edu.sg/ysep2025>

Is there a fee to the programme?

The mentoring programme is valued at \$1000 per student. However, all accepted students for the programme will be fully subsidised by Science Centre Singapore and the programme sponsors.

Students who drop out of the programme or do not fulfil attendance requirements after being accepted, will be billed the full programme fee as resources have been set aside for the mentoring of the student. Exceptions may be made for students who are placed on medical leave. Supporting documents will need to be submitted.

Timeline

Event	Date
Application Process	
RSVP for Teacher's briefing	By 4 March
Teacher's briefing	6 March
Deadline for registration	1 April
Notification of acceptance	14 April
Students to accept programme commitment	21 April
Programme Schedule	
Design thinking workshop Technical skills workshops Community interviews	2 – 6 June
Prototyping Poster preparation Presentation practice	9 – 13 June
STEM Showcase setup	27 June
STEM Showcase	28 June (Saturday)
Incubation	
Notification of selected groups for incubation	25 July
Students to accept incubation commitment	8 August
Incubation check-in	27 October (PM)
Incubation and showcase	24 – 28 November
Post-Programme items	
Community showcase*	July to December 2025

**Students will be invited to showcase their projects at various community locations (libraries and community centres). Details of these showcases will be shared as the programme proceeds.*

Awards and certificates

All students who complete the programme will receive the following certificates

- 1) The QUESTA (Gold) award administered by Science Centre Singapore
- 2) The Youth Science Empowerment Programme certificate jointly administered by Science Centre Singapore and the programme sponsors.

For any enquiries, please contact Ms Ng Mei Bao at youth_programme@science.edu.sg

Yours sincerely,



Lee Song Choon (Dr)
Senior Director, Education Programmes
Science Centre Singapore