

# AIM

- Harness creativity and capability in translating cross-curriculum knowledge into solutions for real-world issues
- Develop design-thinking and innovation skills to prepare participants to be self-directed learners and active solution contributors to the United Nations Sustainable Development Goals
- Increase awareness of the problems faced by ASEAN countries using different learning tools

## SPONSORSHIP FOR SELECTED PARTICIPANTS WILL INCLUDE:

- Return air tickets to Singapore
- Accommodation
- Transportation to and from accommodation throughout the camp
- Students' allowance (S\$70)
- Teachers' allowance (S\$105)
- Meals (breakfast, lunch and dinner provided)
- Visa and travel insurance
- Camp pack, which includes camp T-shirt, pen, logbook and bag
- Certificate of completion
- Souvenir specially made by Science Centre Singapore



## TEMASEK FOUNDATION INTERNATIONAL - SCIENCE CENTRE SINGAPORE STEP STEM ALIVE! 2019

16 - 22 JUN 2019  
SCIENCE CENTRE SINGAPORE

Be part of the inaugural STEP STEM Alive!  
camp and bond and learn STEM skills with  
youths from ASEAN.

Scan to find out more



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# PROGRAMME OUTLINE

## DAY 1:

- Arrival & Check-in
- Welcome Dinner
  - Cultural Performances

## DAY 2:

- Opening Ceremony
- Overview of Learning Journey
- Purpose & Intention of the United Nations Sustainable Development Goals

## DAY 3

- Sharing of Project Theme
- Games on 5 selected United Nations Sustainable Development Goals
- Workshops

## DAY 4

- Pursuit of Entrepreneurship
- Sensing Journey to Learning Sites
  - Educational Programmes Related to the 5 Selected United Nations Sustainable Development Goals

## DAY 5

- Digital Fabrication Workshop I, II (Safety, 3D Design & Printing)
- Ideation & Prototyping Workshop I

## DAY 6

- Ideation & Prototyping Workshop II
- Project Presentation
- Announcement of the Top 5 Teams
- Grand Dinner Celebration

## DAY 7

- Top 5 Teams' Project Presentation to the Judges
- Presentation of Prizes
- Summary & Wrap-up
- Departure



The programme is open to students from the following countries:

- |              |             |                    |
|--------------|-------------|--------------------|
| 1. Singapore | 4. Malaysia | 6. The Philippines |
| 2. Cambodia  | 5. Thailand | 7. Vietnam         |
| 3. Indonesia |             |                    |

## PARTICIPATING COUNTRIES

- A group of students and an accompanying teacher will be selected from each ASEAN country.

## STUDENTS

- Proficient in both written and spoken English or at least be able to communicate effectively in English
- Must be aged 17 - 19 years old
- Currently studying in a public institution or school

## SELECTED STUDENTS ARE EXPECTED TO:

- Submit a proposal (not more than 100 words) that addresses a real-world issue related to the designated 5 United Nations Sustainable Development Goals (see below) faced by their home country in English as a group
  - Goal 6: Clean Water and Sanitation
  - Goal 7: Affordable and Clean Energy
  - Goal 11: Sustainable Cities and Communities
  - Goal 12: Responsible Consumption and Production
  - Goal 13: Climate Action
- Have a background in STEM (Science, Technology Engineering, Mathematics)
- Read all given materials before the camp
- Present a 10min cultural performance, as a group or as a country, during the welcome dinner
- Prepare and share a post-camp report of spreading STEM mind-set to their fellow students; e.g. learning partner for STEM projects or sharing what they have learnt from the camp

## KNOW MORE ABOUT THE UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS

The United Nations Sustainable Development Goals is a set of 17 goals to end poverty, protect the planet and ensure prosperity for all as part of a new sustainable development agenda. Each goal has specific targets to be achieved over the next 15 years.

The United Nations Sustainable Development Goals replaced the Millennium Development Goals (MDGs), which started a global effort in 2000 to tackle the indignity of poverty. The MDGs established measurable, universally-agreed objectives for tackling extreme poverty and hunger, preventing deadly diseases, and expanding primary education to all children, among other development priorities.

## SCIENCE CENTRE SINGAPORE

Science Centre Singapore is a leading regional Science Centre that brings out the wonders of science, technology, engineering and mathematics through its unique blend of exhibitions, educational programmes and events along with its group of attractions.

The Centre and its partners have played a pivotal role in transforming the way students and the public interact with and learn about science, technology, engineering and mathematics. Since 1977, the Centre has welcomed over 30 million visitors and inspired them with more than 1,000 exhibits spread across 14 exhibition galleries and outdoor exhibition spaces.

[www.science.edu.sg](http://www.science.edu.sg)



## TEMASEK FOUNDATION INTERNATIONAL

Temasek Foundation International is a Singapore-based non-profit philanthropic organisation that funds and supports programmes, which aim to build capabilities with programme partners in Asia and beyond. These programmes enable human and social capital development, contributing towards a more vibrant and connected global community, with positive networks of cooperation.

Temasek Foundation International also manages the STEP endowment programmes, which focus on social and cultural activities, leadership, environment and innovation to help youth in Asia build bridges of friendship, goodwill and understanding. Initiatives under STEP include the STEP Sunburst Camp, STEP Brain Camp and the STEP Ecosperity Dialogue.

Temasek Foundation International is a member of the Temasek family of foundations.

[www.temasekfoundation-international.org.sg](http://www.temasekfoundation-international.org.sg)