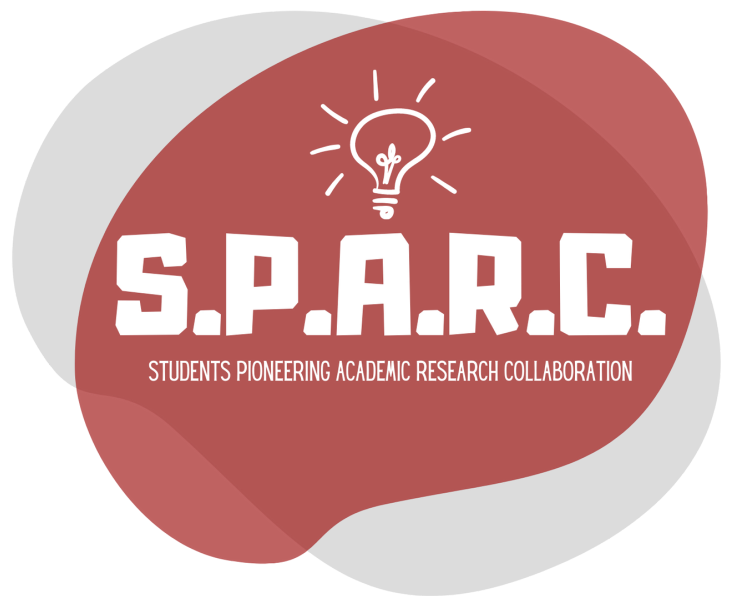


# PROJECT PROPOSAL



## WHAT IS IT?

SPARC is an international consortium of scientifically- and socially-minded students in the Indo-Asia-Pacific and Australasia regions, convened by Ritsumeikan Senior High School in Kyoto, Japan and co-designed and co-facilitated with The Eventful Learning Co. and Pepper. in Melbourne, Australia.

## WHY IS IT NEEDED?

Young people are increasingly aware of global connectivity and the need to tackle social and environmental challenges collectively. There remains, however, a void in the opportunity and reason for collaboration; what they need is the space for working together, sharing insights and fostering connections. SPARC aims to equip young people with methods of collaboration, research and action, and ignite their ability to be conscious, connected and critical contributors to their world.

## OPPORTUNITY

The inaugural 2020 event invites up to 60 senior secondary school students from Australia, Hong Kong, Japan, Singapore, South Korea and Thailand.

The program consists of five (5) x one hour online workshop.

14:00 - 18:00 THA (GMT + 7) // 15:00 - 19:00 HKT & SGT (GMT + 8)

16:00 - 17:00 JST & KST (GMT + 9) // 18:00 - 19:00 AEST (GMT + 10)

Students must also set aside one additional hour of team collaboration time per week.

Sign up by 18:00 JST (GMT + 9) Thursday 11 June.

Designed & delivered *gratis* (\$0) by Satoshi Sanada (Pepper.) & Summer Howarth (The Eventful Learning Co.) in 2020. Concept value: 12,000AUD + gst

## FACILITATION TEAM

Koichiro Hiromatsu (Ritsumeikan Senior High School, Japan)

Summer Howarth (The Eventful Learning Co., Australia)

Satoshi Sanada (Pepper., Australia)

Nanako Takeda (Ritsumeikan Senior High School, Japan)

## PROGRAM DESIGN

Each session is designed using The Eventful Learning Co's tested model of engagement;

Spark / Activate / Amplify

**Spark:** inspirational stories and case studies to share a real-world perspective and highlight connections between learning, industry and regions

**Activate:** building session, based on applying the inspiration shared to tasks, briefs and projects, building tangible skills including how to collaborate, ideate and communicate.

**Amplify:** sharing our learnings; from ways of working together to outputs of tasks. This part of the session always aims to connect learners and celebrate progress & success.

## CURRICULUM OVERVIEW

Teamwork makes the dream work

Gathering information

Building consensus

Develop a hypothesis

Design a testing process

Gathering artefacts

Collate and analyse the data

Prepare the presentation

Science Showcase

Making SPARC stronger, together



# PROGRAM STRUCTURE

## Live Zooms Sessions

Session 1 // Sat 13 June

### Teamwork makes the dream work

Establishing multi-national design & project teams.

2

Session 2 // Sat 20 June

### Building consensus

Agree as a group on an issue of interest and significance to explore and understand further. Including (but not limited to) Earth Sciences, Engineering, Social Sciences, Chemistry, Biology, Physics, Data Science, & Mathematics.

4

Session 3 // Sat 27 June

### Design a testing process

Create steps to test the hypothesis and how to collate the data.

6

Session 4 // Sat 4 July

### Collate and analyse the data

Come up with a conclusion and make recommendations for further research or product/service development.

8

Session 5 // Sat 11 July

### Project Showcase (2 hours)

Each team to deliver a presentation (up to 15 minutes including Q&A) Kindly critique ideas of others through providing feedback, reflect on the process & celebrate learning to support a connected cohort of young STEM designers.

10

## Students in their own time

1

Each student records a short video (< 3 minutes) to introduce themselves to other participants.

- Preferred name/Country/city of residence
- Three (3) Interests
- Three (3) Key Skills
- One (1) profound experience of/thought about the world of 2020

3

### Gathering information

Issues that have the potential to be solved scientifically.

Each member contributes three items to Padlet.

5

### Develop a hypothesis

Teams apply their collaboration skills to agree on a hypothesis to test. The hypothesis needs to be testable in each member's location and within the limited time frame.

7

### Gathering artefacts

Collect examples of findings and learning process for a report to be presented in any format (written, presentation, video etc) adhering to the provided scope.

9

### Prepare the presentation

Prepare a Google Slides presentation in line with the design brief along with finalise the Padlet showcase space.

11

### Making SPARC stronger, together

Discuss how SPARC may be scaled up, iterated and shared with others.