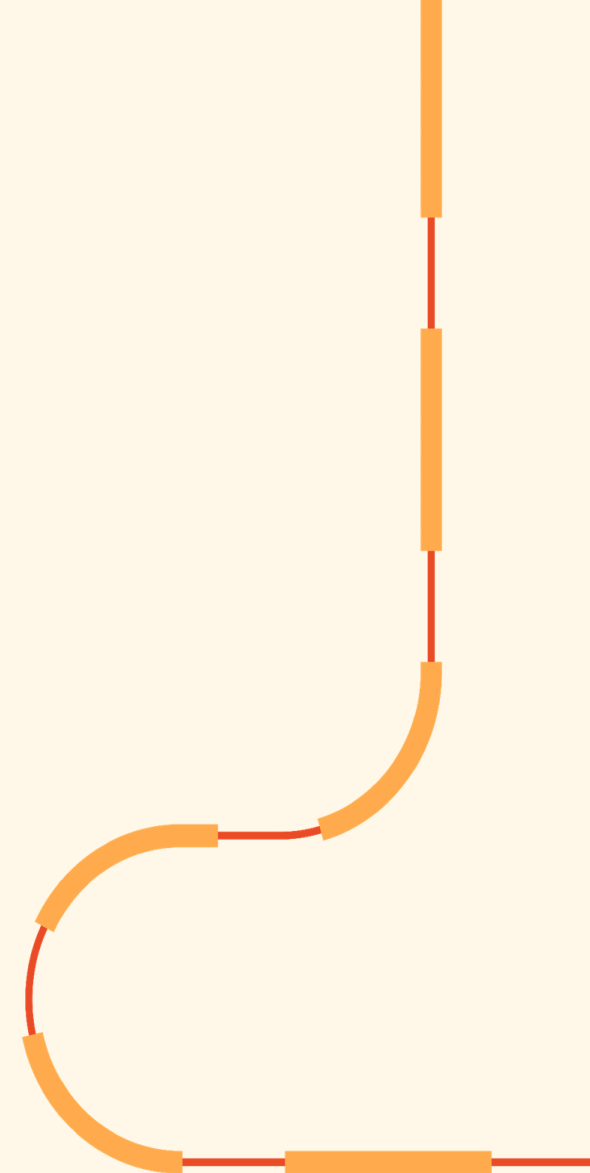




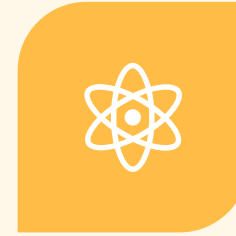
Questa Club: Background

Launched in 1989, the Questa Club offers secondary school students the opportunity to independently undertake a series of science- based activities as outlined in the Questa Club activity card.

Organised by:



Objectives of Questa Club



**To foster curiosity
in science among
students**



**To empower
students to pursue
independent
exploration in
STEM fields**



**To provide
opportunities for
students to
cultivate initiative
and creativity**



**To ignite students'
passion for
pursuing careers in
STEM**

Steps for Participation

Teachers purchase Questa Club activity card from Science Centre Singapore at just \$3 each.



Students' complete activities in the activity card to earn stars



Upon completion of the activity card. Students are awarded the silver or gold badge.



Silver Badge
(10 stars of activities)



Gold Badge
(20 stars of activities)

About the Card

There are two sections in the card

- Section A: (Compulsory for Gold Badge)
- Section B: (Gold & Silver Badge)



How activities can be mapped to Questa Club?

Activities conducted by the school and Science Centre Singapore

For Example:

- LEAP 2.0 (which encompasses CCA)
- STEM Applied Learning Programme (ALP)



Questa Activities that
can be done

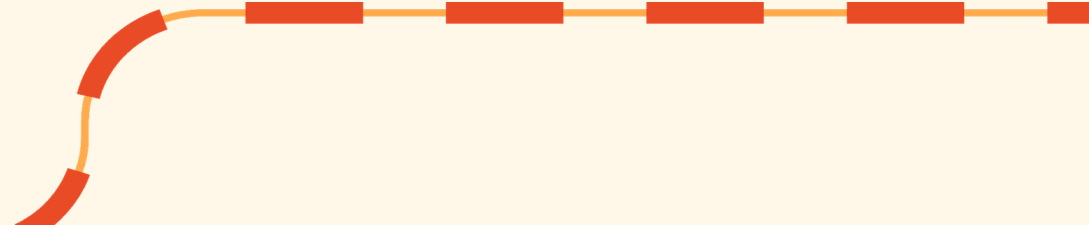
At the Science Centre

Questa Activities that can be done in Science Centre

Task	Activity	Stars
4.	Reflection of STEM-related book/ film/ article/ game/ app/ show	
9a.	Field Trip report	
9b.	Science Centre exhibits	
11a.	Entering a science or STEM-related competition	
11b.	Winning any award at a Science or STEM-related competition	 
14.	Volunteer work (shorter term)	
15.	Attachment at science institutions (longer term)	

8 stars
(2 more stars
for silver
badge)

Note: Task 4, 9a, 9b can be catered for a large group or whole level.





LEAP 2.0 Activities

Mapped to Questa
Club

LEAP 2.0 Activities Mapping to Questa Activities

LEAP 2.0 Activity	Questa Activity
(Achievement) Research or mentoring project with Science Centre (SSEF, SMP, RDP, YSEP, YSC)	11a. Entering a science or STEM-related competition ★★
(Achievement) -Representation - Represent school for competitions	11b. Winning any award at a Science or STEM-related competition ★★★
(Leadership) - In STEM-related CCA committee - Robotics Club, Green Club and any STEM-related clubs	12. School Service ★★
(Service) Students work on VIA project that impacts school / Community.	14. Volunteer work (shorter term) ★★★
	15. Attachment at science institutions (longer term) ★★★

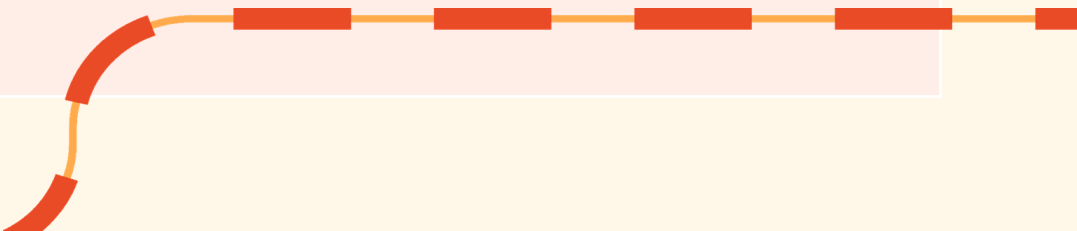


STEM ALP Activities

Mapped to Questa
Club

STEM ALP Activities Mapping to Questa Activities

STEM ALP Activity	Questa Activity
(Tier 1 – project) Project sharing day that involves students making poster	3. Poster (can be a digital poster) ★★ ★
(Tier 2 – competition/ events) Health & Food Science Competition	
(Tier 2 – competitions) Health & Food Science Competition Nxplorers Could also be competitions organized at school level like MasterChef, Coding Competition, etc.	11a. Entering a science or STEM-related competition ★ ★ 11b. Winning any award at a Science or STEM-related competition ★ ★ ★



STEM ALP Activities Mapping to Questa Activities (Gold)

STEM ALP Activity	Questa Activity
(Tier 1 - any STEM ALP lesson/project)	1a. Project ★★ ★
(Tier 1 – project) • STEM ALP project sharing in class (Tier 2 – project) • Showcasing of their project in open house/ school events, etc • Presentation to the community that they are creating solutioning for	1b. Project Presentation ★★
Any STEM ALP project/lesson that involves providing solution to a problem and put that into a brief report in 400-800 words.	2. Addressing real life problem/ social issue (no prototypes required) ★★★

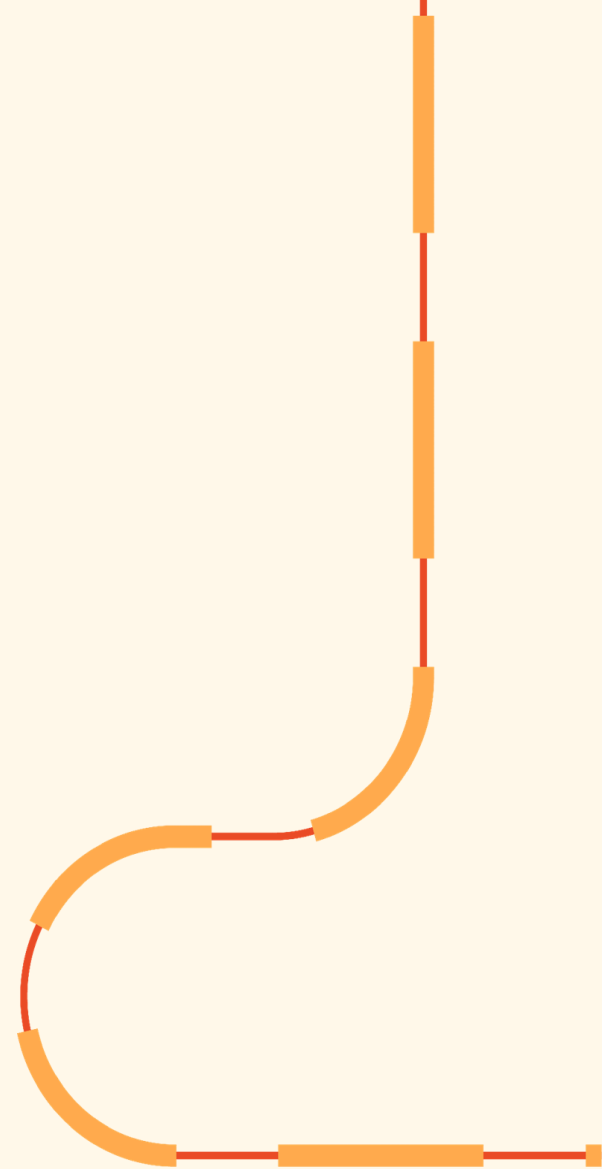
How can teachers start Questa?

School-based level

- Conduct a mass briefing to secondary 1 to 5 students.
- Form a team of teachers who can integrate the various activities/tasks into their subjects.

Individual level

- Teachers to endorse the completed activities with school stamp.
 - Project work
 - Report writing
 - Presentation
 - Field trip
 - Competitions
 - Volunteering
 - Internship
 - Community work



Possible strategies to adopt for completing other activities in your school



Home based Learning



Blended learning activities



Collaborative work



Project Prototyping work/
Presentation work



Interdisciplinary (STEM)
programmes in the school



Singapore Student
Learning Space
(SLS)

E.g. Access activities on *phet* with simulation for students to try (Interactive Simulations for Science and Math).

Implementation of Questa in school

Considerations

- Student portfolio
- Support from teachers
- Alignment to school programmes / events / activities
- Cross-departmental collaboration / whole school approach

Structures and processes

- ✓ Student briefing and ownership
- ✓ Scheduling
- ✓ Teacher facilitation



After completing the Questa cards

Submission of Questa submission form:

- Email the Questa submission names to Questaclub@science.edu.sg.
- Indicate the number of students that have attained silver/gold badge in the form.

Collection of Questa badge and certificate for students:

- (November period) - By 15 November (excluding weekends) from 10am - 5pm at the Science Centre

How can we support you?

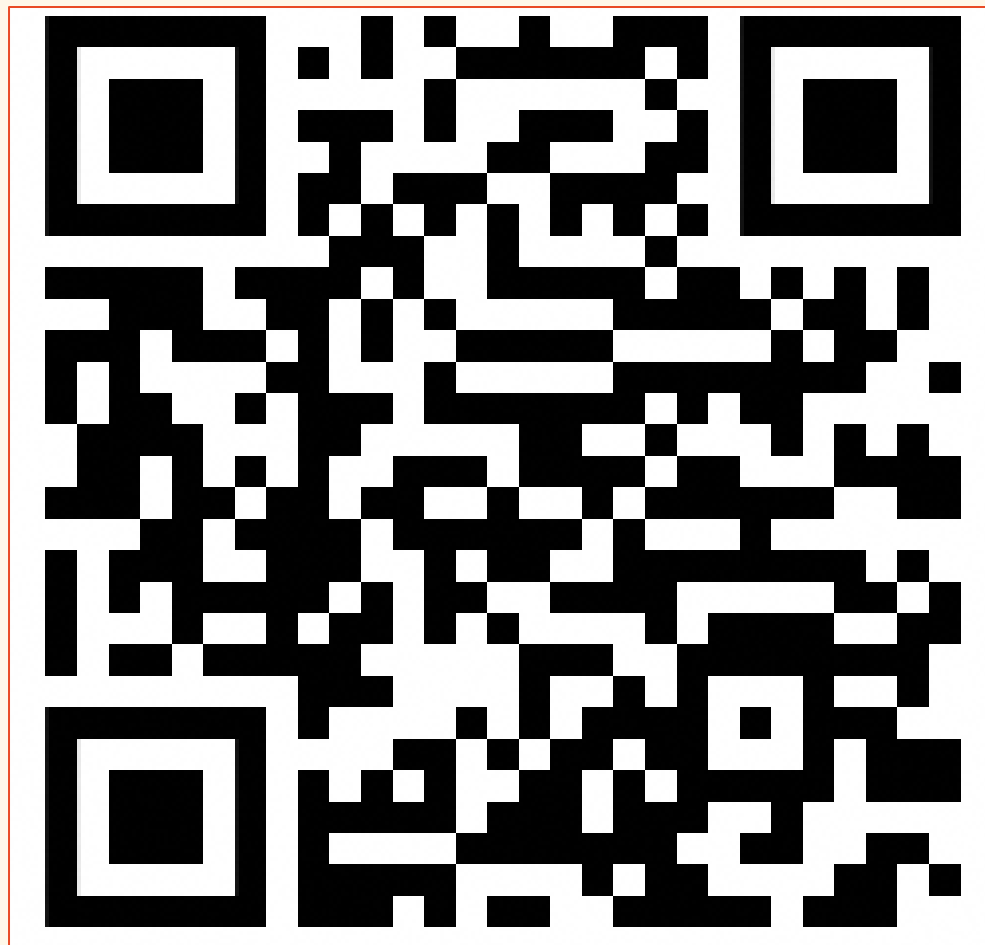
- We will provide you a comprehensive handout where we give examples for your reference on how the respective activity can be carried out.
- **For enquiries and purchase of cards, please contact us at:**
 - Questaclub@science.edu.sg
 - Savita_sharma@science.edu.sg

(How to get the cards) You can choose to either:

- a) order and collect from Science Centre or
 - b) request for the cards to be sent to your school.
- **You may also wish to call us at 64252517.**



To register please scan QR code





Thank you!

We look forward to your participation! 😊