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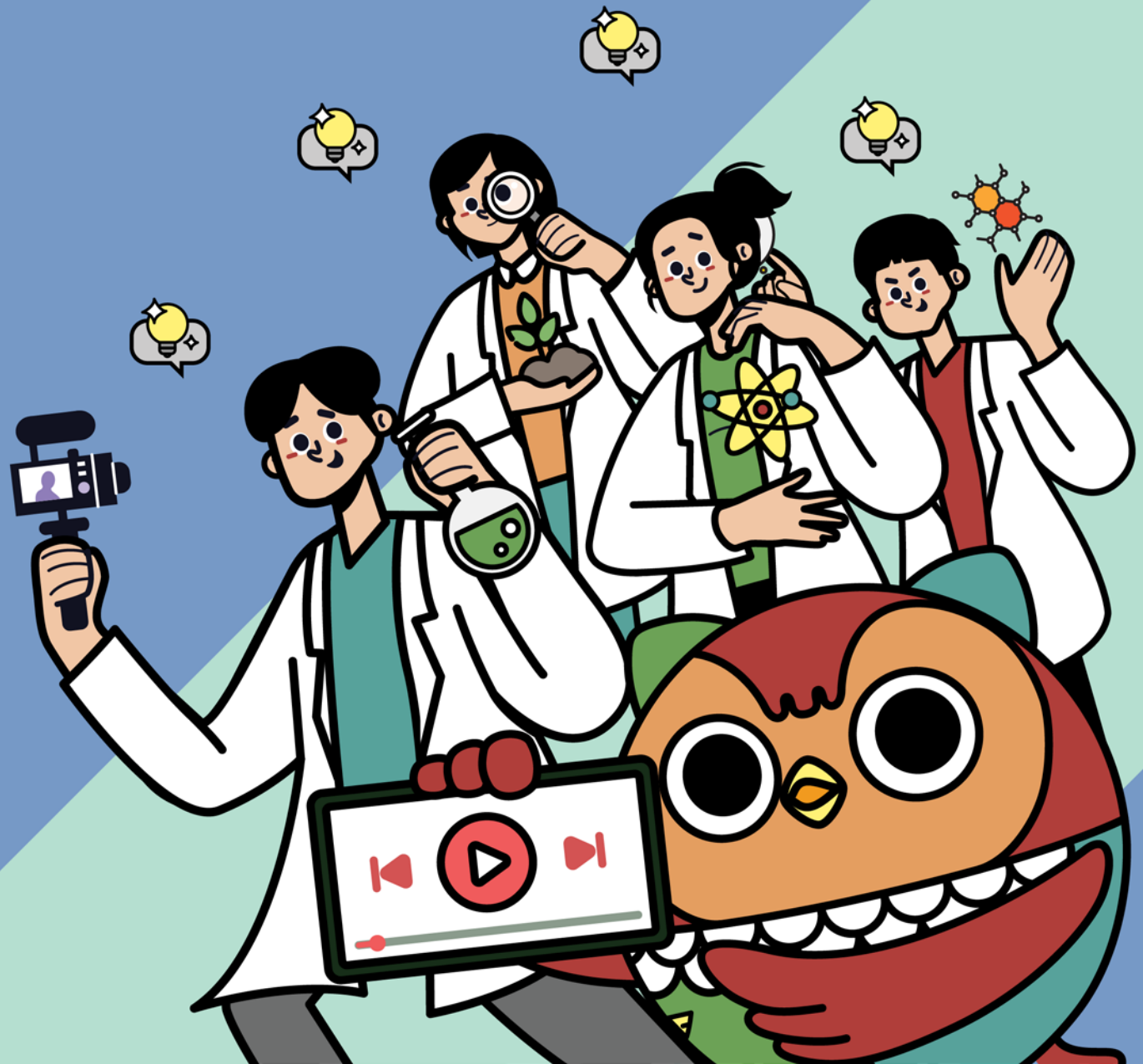
Science Communication YouTuber Challenge

Everyday Science Hackathon

Briefing Video



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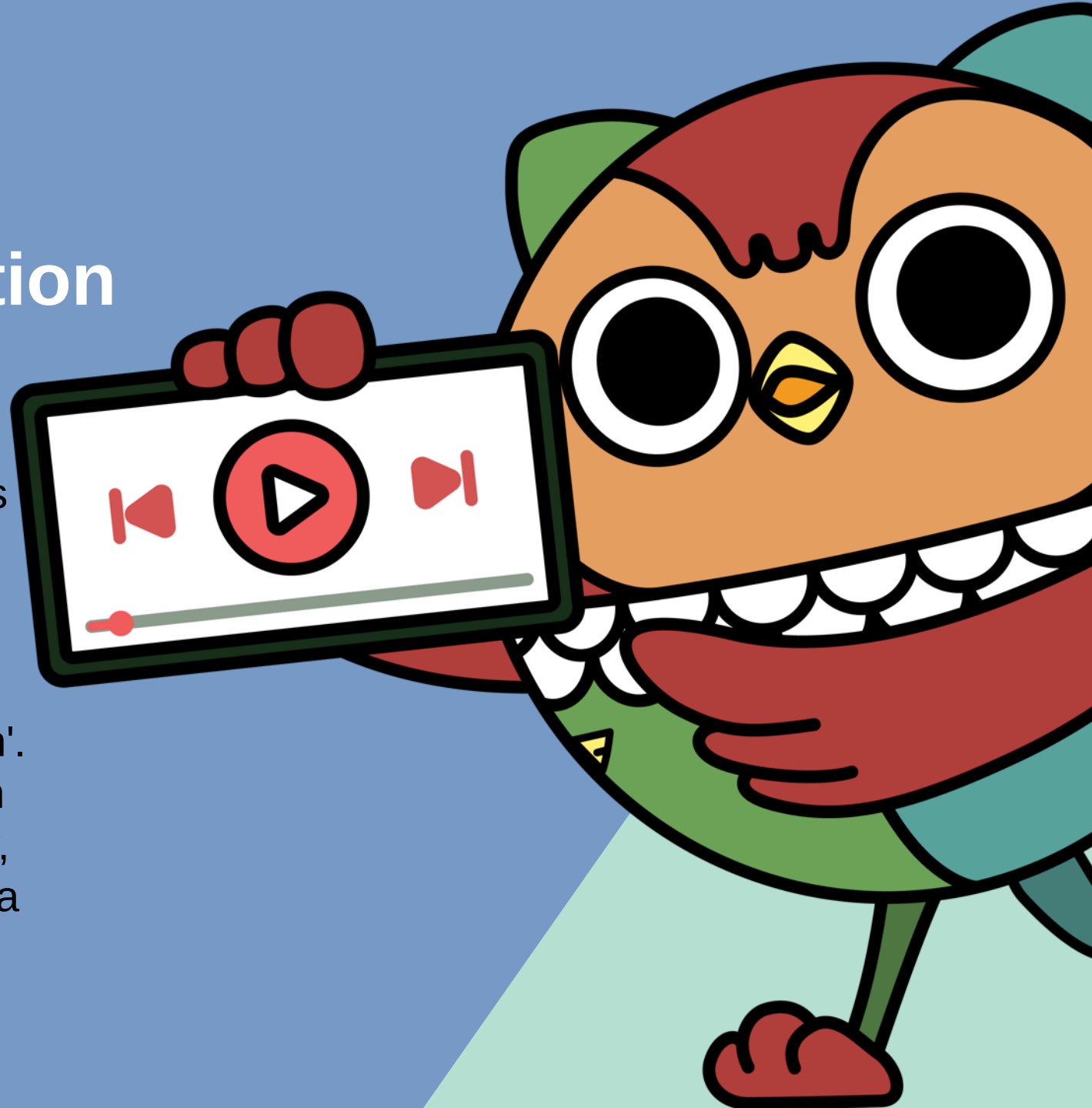
What is the Competition All about?

Dare to be our science communicators and take the challenge of being our YouTuber?

Now you have got the chance!

Join our 'Everyday Science Hackathon'. Spot an everyday problem, whip up an app solution using scientific know-how, and bring your creative ideas to life in a captivating video!



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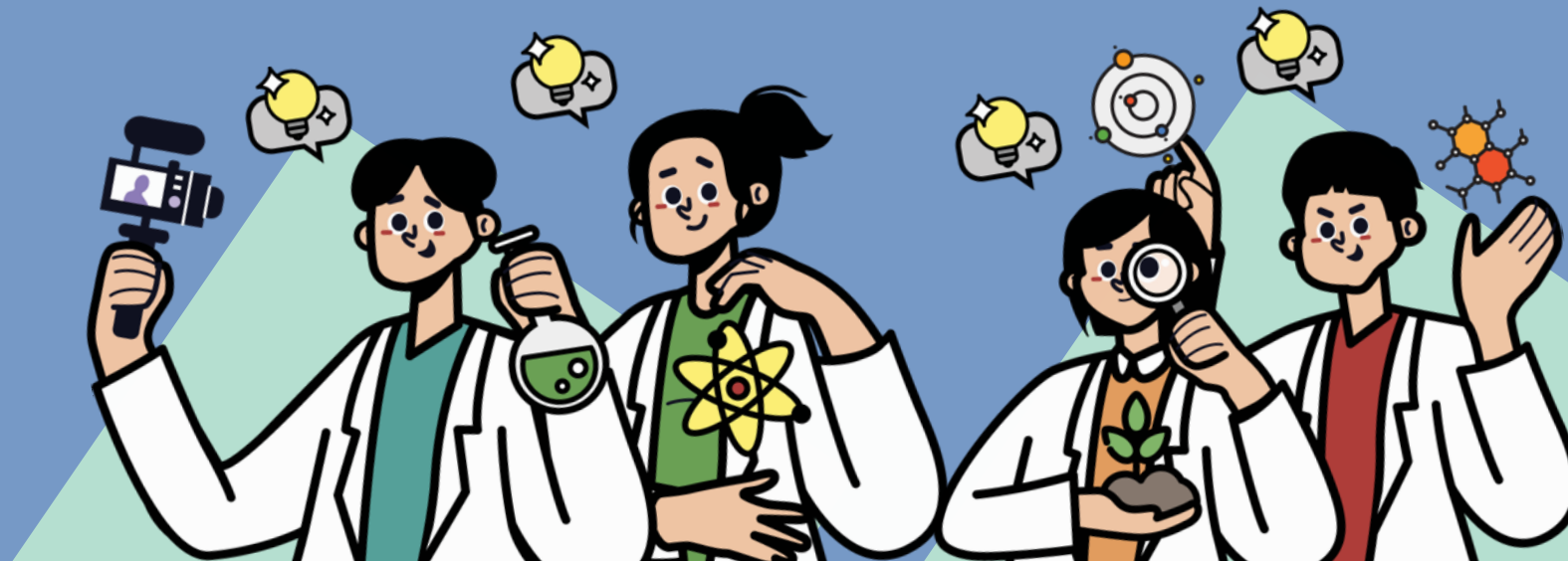
Who is Eligible?

Registration is open to **local secondary school students**

- **Secondary 3-5 / Grades 9-11 / Year 10-12 during the academic year 2024-2025**
- **Forming a team of 3-6 students, all from the same school**

(a maximum of two teams from each school)



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First-round Selection

Step 1

Form and group and choose a topic

Step 2

Formulate a 1-page proposal and a script

Step 3

Make a voice-recording elaborating your choice

Step 4

Enrol in the contest at HKU Faculty of Science website

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Science in 5 Minutes

Your Selected Topic

- Pick a science issue/problem
- Apply scientific knowledge to propose an app-based solution
- Explain the impact of your ideas on humanity
- Present your story in a fun and engaging way
- Use layman’s terms in your story

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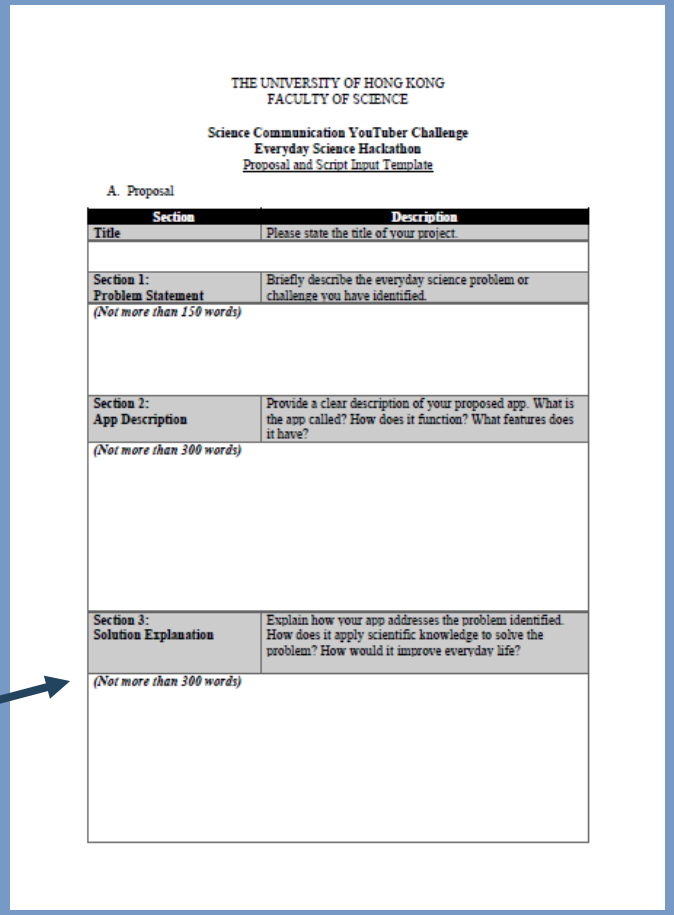
Submission Template

Please submit the entry using the designated template



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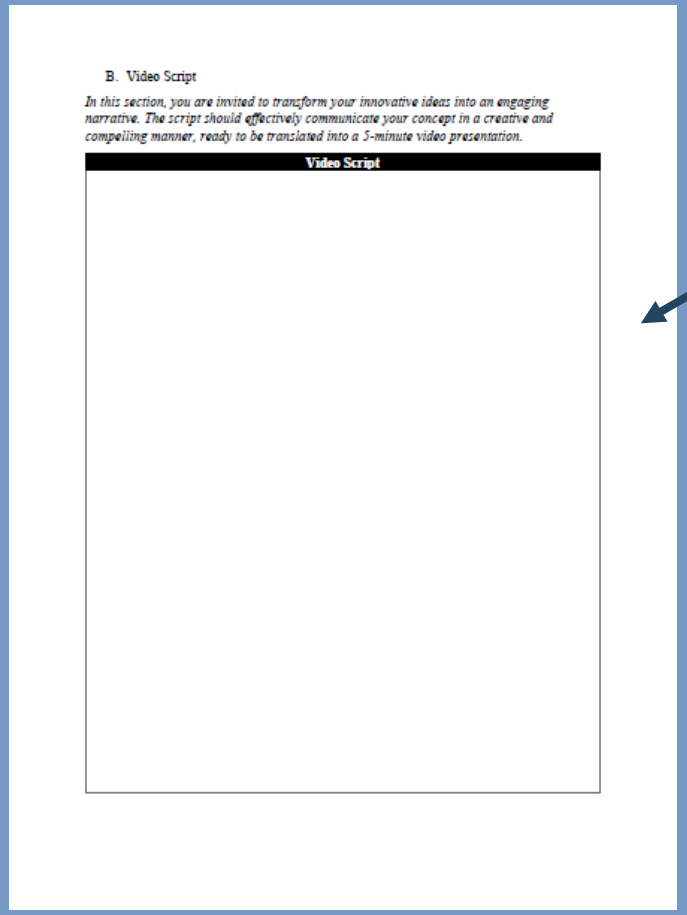
Science Communication YouTuber Challenge
Everyday Science Hackathon
Proposal and Script Input Template

A. Proposal

Section	Description
Title	Please state the title of your project.
Section 1: **Problem Statement**	Briefly describe the everyday science problem or challenge you have identified.
(Not more than 150 words)	
Section 2: **App Description**	Provide a clear description of your proposed app. What is the app called? How does it function? What features does it have?
(Not more than 300 words)	
Section 3: **Solution Explanation**	Explain how your app addresses the problem identified. How does it apply scientific knowledge to solve the problem? How would it improve everyday life?
(Not more than 300 words)	

Input required information to articulate your ideas on the design and benefits of your proposed app.



B. Video Script

In this section, you are invited to transform your innovative ideas into an engaging narrative. The script should effectively communicate your concept in a creative and compelling manner, ready to be translated into a 5-minute video presentation.

Video Script

Groups advancing to the second round of selection will crafting their video entries following their submitted script.

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Tip #1

Examples of Possible Topics

Here are some examples of possible topics, but **not limited to** the list below:

Example	Problem	Proposed App
1	**Excessive Food Waste** Every day, considerable amounts of food are discarded due to mismanagement of home groceries, leading to unnecessary waste contributing to environmental problems and financial losses.	An inventory management app that applies sustainability science principles to track food expiry dates, suggest optimal grocery quantities based on past usage, and provide recipes that utilise nearing-expiry ingredients to reduce food waste.
2	**Sedentary Lifestyle Leading to Health Issues** Modern living often involves long hours of sitting, leading to a sedentary lifestyle. This can result in health problems including obesity, heart disease, and diabetes.	An app that uses behavioural science and health data to encourage users towards an active lifestyle. It could provide personalised exercises based on the user's profile, daily schedule, and scientifically recommended activity levels.
3	**Spread of Scientific Misinformation** The digital age has seen a rapid spread of misinformation, particularly in science. This can lead to misconceptions, fear, and potentially harmful decisions.	An app using AI and machine learning algorithms to fact-check online information, debunking myths and providing users with scientifically sound explanations, helping them differentiate fact from fiction.

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How to Enrol?

1 Checklist for contesting materials:

- ☑ **a captivating project title**
- ☑ **the proposal & script in PDF format (either English or Chinese)**
- ☑ **a 30-second voice recording in MP3 format elaborating your choice**

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2 **Enrol in the competition registration platform of the Faculty website**

Submission deadlines:

First-round selection: May 30, 2025

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How to Enrol?

Points to note

- Contest enrolment should be handled by a designated teacher, **serving as the primary contact throughout the contest**.
- **Each team from the same school requires a separate enrolment application**.
- Ensure timely submissions to secure acceptance.

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Second-round Selection

*Selected teams will take the responsibility of **independently crafting their video entries**, following the script submitted.*

Step **1**

Produce a 5-minute video presentation

Step **2**

Submit your work!

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Tip #2

Video Production

Flow and tone

Audio and visual aids

Team work

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Tip #3

Sample – Final Video

** For entrants to the second-round selection:* The proposal and script would be translated into a final video like this.

Video Contributors:

Bibi Hajirah

Bibi Walida

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Selection Criteria
First-round

Weighting	Criteria
Panel selection (100%)	Content organisation (30%)
	Ideas and creativity (30%)
	Delivery and interpretation (40%)

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Selection Criteria
Second-round

Weighting	Criteria
Panel selection (100%)	Video production (10%)
	Content organisation (40%)
	Delivery and interpretation (50%)

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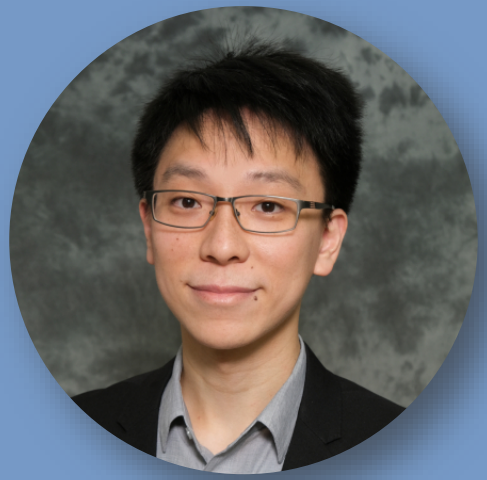
Panel Members

Professor Rachel LUI
Assistant Dean
(e-Learning),
Faculty of Science

Dr Evan PICKETT
Lecturer,
Faculty of Science



Dr Kenneth NG
Lecturer,
Department of
Chemistry

Dr Toby LAI
Assistant Lecturer,
Faculty of Science

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Awards and Announcement

Award	(Per Team) Transfer to school authority
Gold Prize	**$12,000**
Silver Prize	**$6,000**
Bronze Prize	**$4,500**
People's Choice Award	**$1,500**

All contestants will get a certificate after the contest.

!

- Special consideration may be given to awardees for admission to the 6901 Bachelor of Science programme
- Free quota for JSI workshops may be given to awardees (if appropriate).

The Faculty reserves the final right to make any necessary changes in this regard, as deemed appropriate.

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Important Dates

May 30	★ **Deadline for enrolment with entry submission**
June - Mid of July	**First-round selection by panel**
Mid of July - August	Video shooting by selected groups for the second-round selection
September	**Second-round selection by panel**
September	Public voting for People's Choice Awards
October	**Announcement of results**
Late November	Award presentation at our flagship outreach programme Junior Science Institute

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Rules of Competition

- The contest will be on group basis and each group can only submit ONE entry.
- An entry must be the original work of the participating group.
- Media contents must adhere to guidelines that strictly prohibit the promotion of hate, discrimination, or any form of unethical behavior, and must not cause harm to individuals or society in any manner.
- The Faculty (organiser) reserves the right to interpret the selection criteria. Contestants shall agree to and respect the results.
- The Faculty reserves the right to publish and publicise the awarded entries in any media.
- The copyright for the videos of finalists will be vested with the Faculty.

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For more details about the contest

Enquiries

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Find us on

science.hku

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/hkufacultyofscience