

The “Safe Cracking” International Physics Tournament 2024 – Hong Kong Regional Final

Introduction

The “Safe Cracking” International Physics Tournament (IPT) 2024 – Hong Kong (HK) Regional Final is organised by the Hong Kong Academy for Gifted Education (HKAGE). The regional competition aims at selecting a team of students to represent the HKAGE to join **the “Safe Cracking” IPT 2024** (<https://davidson.weizmann.ac.il/en/programs/cracking>) held by Weizmann Institute of Science, Israel.

The IPT encourages understanding of scientific principles (particularly in physics) and development of original ideas to implement these principles. In the tournament, high school students of each team need to design, build, and operate up to 2 locking mechanisms for a safe based on different principles of physics. These mechanisms must be sophisticated enough to keep the safe locked unless one deciphers the physics principles behind them. You may watch the [video of IPT 2023](#) via the QR code on the right to know more.



Target Participants

- Students need to form teams to join. Each team should consist of 3 to 5 students of Secondary 2 to Secondary 4 in the 2022/23 school year. These students must still be studying in secondary schools in Hong Kong in the 2023/24 school year.
- Each team must have an adult mentor with physics background to guide and coordinate the students.

Application Method

Mentors can apply through the [HKAGE website](#) (or via the QR code on the right) from 14 Jul 2023 (Fri) to 3 Oct 2023 (Tue) 12:00 noon. Note: a team should complete building your safe, prepare 2 documents and 1 video for submission before the deadline. (For details, please refer to our website.)

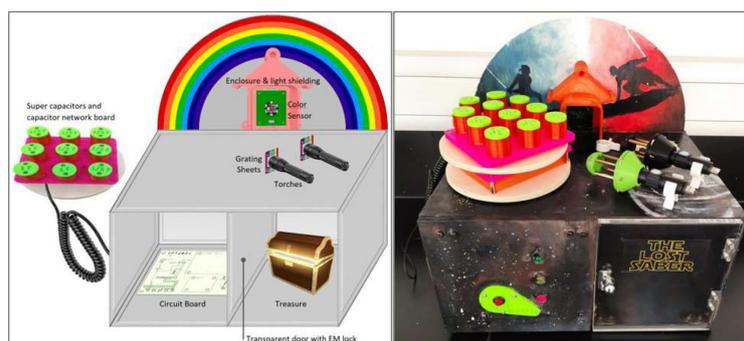


Schedule

Date	Content
14 Jul (Fri) 2:00 p.m. – 3:30 p.m.	Optional briefing session for mentors / team leaders (via Zoom Meeting, in Cantonese) – Register Here (or via the QR code on the right)
14 Jul (Fri) – 3 Oct 12:00 noon (Tue)	Application period Deadline for submission of the documents and video
1 Nov (Wed)	Announcement of the finalist of the HK Regional Final
11 Nov (Sat) Full day	The “Safe Cracking” IPT 2024 – HK Regional Final (in English)
Nov 2023 - Mar 2024	Further training and safe development under an HKAGE programme
Mar 2024 (tentative)	The “Safe Cracking” IPT 2024 in Israel



For enquiries, please contact us on 3940 0101 or by email at ipthk@hkage.org.hk.



Sample safe in the previous tournament.