

JPC Innovation and Technology Competition 2023-24

Competition Guideline

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(I) Brief Details of the Competition

Introduction

The Junior Police Call (JPC) has been committed to the provision of a wide range of activities and training for young people over the years. In 2021, a new strategy – IDEAS@JPC was introduced, where ‘I’ stands for Innovation, ‘D’ for Discipline, ‘E’ for Exposure, ‘A’ for Adventure and ‘S’ for Synergy. JPC has also introduced the annual JPC Award Scheme to encourage young people to participate in various activities for nurturing more young leaders to fight crime together.

To suit the needs of students, cope with the development trend of STEAM education and promote the development of innovative thinking activities under the new strategy of JPC, JPC has launched the ‘JPC Innovation and Technology Competition 2023-24’ (the ‘Competition’), which is divided into three phases: learning; competition; and award presentation and exhibition. Through an approach based on the concept of ‘Smart City’, primary and secondary school students will give full play to their STEAM-related knowledge and skills by consolidating them in collaborative projects on enhancing the effectiveness of city management and safety and improving people’s quality of living.

Objective

The goal of the Competition is to provide an appropriate platform for student engagement in experiential learning on topics of mobility, living, environment and economy to put the concept of ‘Smart City’ into practice by proposing innovative and feasible solutions. The Creative Design Drawings of the Junior Primary Category are based on the topic of ‘Cyber Security’ or ‘Information Literacy’, using creative thinking and drawing to present the topics on a drawing paper. In particular, students can develop skills in problem solving and logical reasoning, as well as inspiring their creative thinking with the objective of building a city incorporating intelligence and safety so that people can live in one of the safest and most stable societies in the world.

Categories

- Junior Primary School Category (Primary One to Primary Three)
- Senior Primary School Category (Primary Four to Primary Six)
- Junior Secondary School Category (Secondary One to Secondary Three)
- Senior Secondary School Category (Secondary Four to Secondary Six)

Topics

Junior Primary School Category

- Cyber Security
- Information Literacy

Senior Primary School to Senior Secondary School Categories

- | | |
|---------------------|-----------------|
| - Smart Mobility | - Smart Living |
| - Smart Environment | - Smart Economy |

Eligibility

- Hong Kong residents only
- Primary and secondary school (daytime) JPC School Club students in Hong Kong and the Greater Bay Area only

Sponsoring Organization

- Bank of China (Hong Kong) Limited

Supporting Organizations

- Education Bureau
- Innovation, Technology and Industry Bureau
- Office of the Government Chief Information Officer

- Hong Kong Productivity Council
- Hong Kong New Generation Cultural Association
- Hong Kong Extra-curricular Activities Masters' Association
- Hong Kong Computer Society
- Hong Kong Cyberport Management Company Limited
- Hong Kong STEM Education Alliance
- Hong Kong New Emerging Technology Education Association

(II) Awards

There are over 240 awards in the whole Competition, with a champion, a first runner-up and a second runner-up in each category. Prizes include scholarships, certificates of merit or trophies. Award winners who are JPC members from the secondary school categories may be invited to join the fully funded 'Science and Technology Study and Exchange Tours to the Greater Bay Area' alongside other activities. In addition, each participant will be awarded a certificate by the organizer.

Scholarships (HK\$) (By participating unit)				
	Junior Primary School Category	Senior Primary School Category	Junior Secondary School Category	Senior Secondary School Category
	(Individual Enrolment)	(Individual or Team Enrolment)		
	Creative Design Drawing (A3 Size)	Project Report with Entry		
Champion	\$5,000	\$8,000	\$10,000	\$12,000
First runner-up	\$3,000	\$6,000	\$8,000	\$10,000
Second runner-up	\$1,500	\$4,000	\$6,000	\$8,000
Best Safe City Award (Crime Prevention)	-	\$2,000	\$3,000	\$4,000
Best Safe City Award (Cyber Security)	-	\$2,000	\$3,000	\$4,000
Best Safe City Award (Road Safety)	-	\$2,000	\$3,000	\$4,000
Best Presentation Award	-	\$800 (10 individuals/ teams)	\$1,200 (10 individuals/ teams)	\$1,600 (10 individuals/ teams)
Commendation Award	\$300 (100 individuals)	\$400 (30 individuals/ teams)	\$600 (30 individuals/ teams)	\$800 (30 individuals/ teams)
^Most Active JPC School Club Participation Award (3)	Trophy	Trophy	Trophy	Trophy
Best Coaching Teacher Award (3)	Trophy and Certificate	Trophy and Certificate	Trophy and Certificate	Trophy and Certificate
Most Active District JPC Participation Award	Trophy	Trophy	Trophy	Trophy

^The Most Active JPC School Club Participation Award is limited to the JPC School Clubs only. If you are interested in applying to become a JPC School Club, please refer to (VI) of this Guideline.

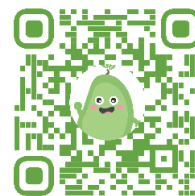
(III) Notes

Schedule

Date	Key activity
20 November 2023	Opening of Enrolment
26 February 2024 (12:00 noon)	Deadline for Entry Submission Junior Primary School Category - Creative Design Drawing and Brief Description Form (Annex A) Senior Primary School Category, Junior Secondary School Category and Senior Secondary School Category - Project Report (Annex B) and Video - Shortlisted participants might be invited for adjudication sessions and entry submission at the Police Officers' Club on 6 or 7 April 2024.
March to April 2024	Adjudication
6 – 7 April 2024	Finals, live presentation by shortlisted participants
Mid-April 2024	Announcement of Result
11- 12 May 2024	Award Presentation Ceremony and Exhibition

Learning Phase

To raise students' knowledge on STEAM disciplines and the concept of 'Smart City', JPC has provided a series of videos on the latest technological development of our country, as well as a series of E-learning workshops and video, introducing the topics on mobility, living, environment and economy under the theme of 'Smart City'. Professionals and professors were invited to share their knowledge on their professional areas during these workshops. Students and teaching and administrative staff can watch the videos concerned through the Competition website by clicking [this](#) or downloading the JPC App. JPC will also organize various activities with innovation and technology elements for JPC members to participate in. You can learn more about the activities through the JPC website and JPC App, whereas you can also complete the simple registration process to be a JPC member through the JPC App. complete the simple registration process to be JPC members through the JPC App.




JPC App

Competition Process

- 1. Read the Competition Guideline carefully** >
- 2. Submit the Enrolment Form (an Entry Number will be given)** >
- 3. Attend E-learning Workshops, Conduct Research and Participate in the JPC Creative Thinking Activities** >
- 4. Create and Research** >
- 5. Submit the Entry**

Enrolment Details

Students can enrol in the Competition by the two following means:

1. Visit the JPC website (<https://www.hkpjpc.org.hk>)
2. Completing an enrolment form (e-version of the enrolment form can be downloaded [here](#) or by scanning the QR code ), which can be:

- Posted (to G.P.O Box No. 28247, date of postmark no later than the deadline);
- Dropped off in person during office hours in the collection box (at the reception on 1/F, Arsenal House, Police Headquarters, 1 Arsenal Street, Wan Chai, Hong Kong);
- Dropped off in person at police stations in various districts (addressed to Police Community Relations Office); or
- Group Enrolment and Submission (collected by and submitted via schools or organizations):
 - Participants can directly pass the completed enrolment forms to the representatives of the schools or organizations (if any), and no further online enrolment is required. Then the representatives will submit the enrolment forms on their behalf.

The ‘JPC Innovation and Technology Competition 2023 – 24 - Enrolment Form’ must be clearly marked on the envelope containing the completed form. The closing date for enrolment is **26 February 2024 (12:00 noon)** (date of postmark no later than the deadline). Participants who have successfully made an enrolment will receive a confirmation email bearing their Entry Number (**on or before March 2024**).

(IV) Entries

Submission of Entries

The entries to be submitted in each category are set out as below:


- Junior Primary School Category	Creative Design Drawing (A3 Size) with the Brief Description Form (Annex A)
- Senior Primary School Category; Junior Secondary School Category; and Senior Secondary School Category	Project Report (Annex B), Video and the Entry

Junior Primary School Category – Creative Design Drawing (A3 Size) with the Brief Description Form (Annex A)

Note: Participants can give free rein to their imagination by capturing on a drawing paper for what they envision based on the topic of Cyber Security or Information Literacy. This is an opportunity for them to share their ideas and expectations with the public.

Rules of Enrolment:

1. Current primary one to three daytime JPC School Club students in Hong Kong and the Greater Bay Area only;
2. This category is open to individual participants only, i.e. no team enrolments. The Creative Design Drawing (A3 Size) (the Drawing), including both the conception and the drawing, must be completed by the participants on their own;
3. The Drawing must be done on a drawing paper of A3 size (42 cm x 29.7 cm (+/-2 cm)) in landscape orientation;
4. Participants are free to adopt any form (e.g. oil painting, Chinese painting and crayon drawing are all acceptable), style and materials for the Drawing, as long as the entries are two-dimensional drawings. Other types of art or handicraft, including three-

- dimensional entries, will be rejected;
5. After completing the Drawing, participants should also complete the Brief Description Form (Annex A) (100 - 300 words) introducing the underlying concept; and
 6. The Brief Description Form can be either completed with a ballpoint pen or electronically in a Microsoft Word file (in .doc or .docx format) and printed out afterwards. (e-version of the Brief Description Form could be download [here](#) or by scanning the QR code )



Adjudication criteria:

Criterion	Description	Weighting
Innovativeness	Choice of topic, creativity and novelty	40%
Scientific quality	Scientific foundation and logical thinking	30%
Artistic quality	Layout, colouring and drawing skills	30%

The following kinds of entries will not be considered:

- Works that are i) plagiarized; ii) inconsistent with the size specified; iii) found to contain copyrighted images; iv) submitted without the Entry Number displayed on the item (except group submission); and v) in the form of a three-dimensional object will be disallowed.

Submission Guidelines:

For Creative Design Drawings (A3 Size) in the Junior Primary School Category, participants must submit the Creative Design Drawing (A3 Size) and the Brief Description Form together before the deadline for entry submission. Submission can only be either one of the following means (No online submission will be accepted):

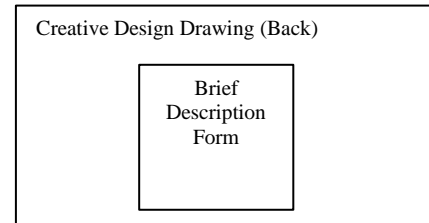
1. By post or drop-off in person:
 - Posted (to G.P.O Box No. 28247, date of postmark no later than the deadline);
 - Dropped off in person during office hours in the collection box (at the reception on 1/F, Arsenal House, Police Headquarters, 1 Arsenal Street, Wan Chai, Hong Kong); or
 - Dropped off in person at police stations in various districts (addressed to Police Community Relations Office).
2. Group Enrolment and Submission (collected by and submitted via schools or organizations)
 - Participants can complete the enrolment form together with the completed Creative Design Drawing (A3 Size) and the Brief Description Form (Entry Number and further online enrolment is not required), and pass the entries to the representatives of the schools or organizations. Then the representatives will submit the enrolment forms on their behalf.

Submission Notes:

- No further online enrolment is required for participants who submit their entries via schools or organizations;
- If the Creative Design Drawing (A3 Size) is accompanied by packaging, it must be clearly marked the 'JPC Innovation and Technology Competition 2023 – 24 - Junior Primary School Category's Competition Entry'; and
- The Brief Description Form showing the Entry Number (except group submission's participants), the name of the entry, and the name of the participant must be affixed properly to the centre of the back of the Drawing.

Illustration diagram:


The Brief Description Form should be attached to the back of the Creative Design Drawing (A3 Size) as shown in the image on the right



Senior Primary School Category, Junior Secondary School Category and Senior Secondary School Category – Project Report (Annex B), the Entry and Video

Note: Participants are required to give full play to their STEAM-related knowledge and skills in conducting research on constructing a smart and safe city, e.g. deterring crime, enhancing cyber security or reducing fatal or serious traffic accidents or other topics, which will culminate in the development of new products or technologies with practical applications, or the creation of functional scale models of such products or technologies so that the public can live in one of the safest and most stable cities in the world. Reports and videos on the process of research, experiments and investigation will be made to share with the public the discoveries made by the participants along the way.

Rules of Enrolment:

1. Current primary four to secondary six daytime JPC School Club students in Hong Kong and the Greater Bay Area only;
2. These categories are open to individuals and teams (no more than five members each), where the entire process including research, creation and production of models must be completed by the participant (s) and teammates on their own;
3. The Project Report should be submitted with a video (the Video) to introduce the entry under the same Entry Number. The shortlisted participants might be invited for adjudication sessions and entry submission at the Police Officers' Club (address: 28 Hung Hing Road, Causeway Bay, Hong Kong) on 6 or 7 April 2024;
4. The entry should conform to the dimensions of 60 cm in length by 60 cm in width by 60 cm in height (+/- 2 cm). JPC staff should be informed if the entry exceeds the size specified;
5. The Video should be in mp4 or mov format, no larger than 100MB in file size and no longer than 3 minutes in length, with Chinese or English commentary, for introducing the entry;
6. In writing up the Report, participants must complete the following sections: Entry Description in Section A (between 100 and 300 words) and Subject of Study in Section B (not more than 3,000 Chinese characters / 3,500 English words) in the Project Report (Annex B); additional information is not necessary;
7. The Report, which should give a brief description of the underlying concept and a detailed explanation about the entry, can be either completed with a ballpoint pen or electronically in a Microsoft Word file (in .doc or .docx format) and printed out afterwards (e-version of the Project Report can be downloaded [here](#) or by scanning the QR code );



8. The entry must not violate the law or undermine the public interest; and

Adjudication Criteria:

Criterion	Description	Weighting
Innovativeness	Difficulty of the topic chosen, novelty and sophistication of the research methodology	30%
Scientific quality (research)	Rationality, accuracy and relevance of the scientific theories and research methodology, or the foreseeable social benefits, application and contribution of the research	30%
Usefulness (invention)		
Formality	Citation of adequate data and scientific literature to back up the research, and the completeness of the research and invention project	20%
Conclusion and summary	Competence and performance in collating data, presenting arguments and drawing conclusions	20%

Submission Method:

For entries from the Senior Primary School, Junior Secondary School and Senior Secondary School Categories, the participants, with Entry Number obtained after enrolment, must submit the Project Report (Annex B) and the Video before the deadline for entry submission through the following means. The shortlisted participants might be invited for adjudication sessions and entry submission at the Police Officers' Club (address: 28 Hung Hing Road, Causeway Bay, Hong Kong) on 6 or 7 April 2024.

JPC Website:

Upload the Project Report (Annex B) (no larger than 20MB in file size) and the Video (in mp4 or mov format; no larger than 100MB in file size) to the JPC website (<https://www.hkpjpc.org.hk>)

(V) Points to Note

- Participants will be contacted or notified by email (for providing information including invitations to competition events and entry's submission method). Therefore, a regularly used email should be provided and checked by the participants;
- Participants who submit their entries to the JPC website will receive a confirmation email to acknowledge the receipt of the entry (in or before March 2024);
- Participants who fail to submit their Project Reports and Videos by the deadline (Entry Submission from Senior Primary School category, Junior Secondary School Category and Senior Secondary School Category will be notified separately) will be automatically disqualified from the Competition and not be entitled to a certificate of participation;
- Entries must be based on the research that began in or after **February 2022**, i.e. within two years before the closing of enrolment of the Competition;
- Entries that had participated in the first and second 'STEM-Up HK Innovation and Technology Competition' held in 2021 and 2022 and won the Champion/First Runner-up/Second Runner-up prize will not be accepted for re-entry, except those which had been significantly modified or optimized;
- Each entry must be submitted with a unique Entry Number specified in the confirmation email from JPC (except group enrolment and submission of entries, i.e. collected by and submitted via schools or organizations);
- If there is inadequate space for writing in Annexes A and B, participants may continue to complete the reports in additional A4 paper;
- JPC shall not be responsible for any postal damage to the entry;

9. Participants should consider in-person submission of entries which are structurally complex or fragile at the JPC Section;
10. JPC will try its best to handle all entries with care and shall not be responsible for any damage or loss during the processing;
11. Subsequent to a review of the reports and videos uploaded, shortlisted participants (Senior Primary School Category, Junior Secondary School Category and Senior Secondary School Category) might be invited to attend adjudication sessions with their entries for detailed presentation at the Police Officers' Club on 6 or 7 April 2024 (address: 28 Hung Hing Road, Causeway Bay, Hong Kong). Participants should submit their entries to JPC after competed the adjudication sessions;
12. Participants are advised to keep an electronic copy of the materials submitted, which will not be returned after the conclusion of the Competition;
13. Participants are required to provide complete and accurate personal details, including their JPC Membership Numbers, if any. JPC has the right to disqualify any participant for supplying false or erroneous information;
14. JPC owns the copyright of all entries, which may be used in part or in full on any occasion including but not limited to internal circulation, public display, publication and/or other purposes;
15. JPC has the right to reject or disqualify any entry that is irrelevant to the theme and objective of the Competition;
16. JPC reserves the right to amend the rules and other details of the Competition and will provide relevant updates of the Competition on the JPC website and other JPC social media platforms from time to time;
17. Should there be any disputes, JPC will have the final authority to interpret the rules and make the final decision on the result of the Competition;
18. JPC shall not be responsible for any disputes related to intellectual property rights arising from the entries submitted; and
19. All JPC members participating in the competition can get points of 'I' Innovation under the JPC Award Scheme 2024 as an encouragement. Participants in Junior Primary School Category will be awarded 50 points, while the Senior Primary School Category to Senior Secondary School Category will be awarded 150 points. Should there be any disputes, JPC will have the authority to make final decision.

(VI) Joining JPC or Applying to become a JPC School Club

1. If you are interested in joining JPC, you can click [here](https://www.hkpjpc.org.hk) to browse the JPC website (<https://www.hkpjpc.org.hk>) or apply through the JPC App.



JPC Website



JPC App

2. If you are interested in applying to become a JPC School Club, please contact us through the following.

(VII) Enquiries

For enquiries, please contact the staff of the JPC Section, Community Relations (1) Division, Public Relations Wing of the Hong Kong Police during office hours (09:00 a.m. to 17:00 p.m., Monday to Friday, except public holidays) as follows:

Hotline for primary schools : 9877 4110

Hotline for secondary schools: 9877 4690

Email address : steam@hkpjpc.org.hk

