

國際數學奧林匹克－香港選拔賽初賽 2022
International Mathematical Olympiad
Preliminary Selection Contest – Hong Kong 2022

Details and Regulations 比賽詳情及規則

(請學校複印「比賽詳情及規則」，派發給每位獲提名的學生作為參考之用。)

(Schools should make a copy of the "Details and Regulations" for each student nominee for reference.)

1. 舉行日期 **Date** : 二零二二年五月二十一日 (星期六) 21 May 2022 (Sat)
2. 時間 **Time** : 上午九時至正午十二時 9:00 a.m. – 12:00 noon
3. 地點 **Venue** : 香港灣仔皇后大道東 281 號香港華仁書院
Wah Yan College Hong Kong, 281 Queen's Road East, Wanchai, Hong Kong—
Zoom 會議
Zoom Meeting
4. 程序 **Schedule** :
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|---------------------|----------------------|------|----------------|
| 上午七時四十五分 | 7:45 a.m. | 開放進場 | Allow Entry |
| 上午八時三十分 | 8:30 a.m. | 進場就座 | Be Seated |
| 上午八時二十分 | 8:20 a.m. | | |
| 上午八時四十五分 | 8:45 a.m. | 大會宣布 | Announcement |
| 上午八時三十分 | 8:30 a.m. | | |
| 上午九時 | 9:00 a.m. | 比賽開始 | Contest Starts |
| 正午十二時 | 12:00 noon | 比賽結束 | Contest Ends |

5. 提名須知 **Notes on Nomination:**

- 5.1. 每所香港全日制中學可提名最多六名中五或以下的學生參賽。
Each whole day secondary school in Hong Kong may nominate **up to SIX students of Secondary Five or below** for the captioned contest.
- 5.2. 若獲提名學生為去年「國際數學奧林匹克－香港選拔賽 2021」的得獎者(金、銀或銅獎)，請將該等學生的資料填於網上報名表格的表二之中。該等學生不會列入既定的六個名額之內。(註：為了提供更多機會讓數學資優學生參與是次選拔賽，於去年選拔賽中獲獎的提名學生將不被包括在既定的六個名額之內。學生於 2022 選拔賽中表現出色，是獲選參加 2023 國際數學奧林匹克的其中一個條件。)
If nominated students were granted awards (Gold, Silver or Bronze Awards) last year at the "International Mathematical Olympiad (IMO) Preliminary Selection Contest – Hong Kong 2021", their information should be filled in Table 2 of the Online Application Form. These students are not counted in the quota of 6 students. (Note: The practice of not including the nominated students who won awards in the quota of 6 students is to provide mathematically gifted students with more opportunities to take part in the contest. The outstanding performance of students in the Preliminary Selection Contest – Hong Kong 2022 is one of the criteria for selection of contestants for the IMO 2023.)
- 5.3. 所有獲提名學生均須於 **2003 年 7 月 2 日或之後出生**，並於 2022/23 學年仍就讀於香港全日制中學。
Students who were **born on or after 2 Jul 2003** and will still be studying in whole day secondary schools in Hong Kong in the school year 2022/23 are qualified for the nomination.
- 5.4. 參賽學校須提名一位教師協助統籌此項比賽。
School participating in the event is also requested to nominate a teacher-in-charge to coordinate the event.
- 5.5. 學校須於 **2022 年 3 月 7 日 2022 年 3 月 21 日 (星期一) 正午 12 時前**經香港資優教育學苑網頁 <https://www.hkage.org.hk/b5/competitions/detail/7192> 提名學生參賽。
Schools may nominate students through the HKAGE website <https://www.hkage.org.hk/en/competitions/detail/7192> **before 12:00 noon, 7 Mar 2022 21 Mar 2022 (Mon).**
- 5.6. 「國際數學奧林匹克－香港選拔賽初賽 2022」亦接受由學生自行報名申請，但必須符合第 5.3 項所列之要求。若學校的提名名額未滿，學生的報名申請將以先到先得方式處理，並以成功提交報名表格的時間為準。
Self-application from students is open for the "International Mathematical Olympiad Preliminary Selection Contest – Hong Kong 2022". All applicants must fulfill the requirement as stated in Item 5.3. Applications are accepted only if the school quotas have not been filled up. In this case, student

application will be accepted on a first-come, first-served basis, depending on the time of successful submission of the application form.

- 5.7. 自行報名學生須於 **2022年3月8日 2022年3月22日 (星期二) 至 2022年3月14日 2022年4月4日 (星期一) 正午 12 時前** 經香港資優教育學苑網頁 <https://www.hkage.org.hk/b5/competitions/detail/7192> 報名參賽。

Self-applied students may apply through the HKAGE website <https://www.hkage.org.hk/en/competitions/detail/7192> from 8-Mar-2022 22-Mar-2022 (Tue) to before 12:00 noon, 14-Mar-2022 4-Apr-2022 (Mon).

- 5.8. 報名結果、學生參賽編號及其他有關詳情，將於 **2022年5月3日 (星期二) 下午 5 時後在學苑之網頁 <https://www.hkage.org.hk/b5/competitions/detail/7192> 公布**，校長、教師及相關學生屆時須自行上網查閱詳情，恕不另函通知。

Application results, Contestant Numbers and other details will be released **after 5:00 p.m., 3 May 2022 (Tue) on the website of the HKAGE <https://www.hkage.org.hk/en/competitions/detail/7192>.**

School principals, teachers and students concerned should take the initiative to check the details. **No further notification will be given.**

6. Mode of Competition 比賽形式:

- 6.1 比賽以筆試形式進行，限時三小時。

The contest is comprised of a three-hour written test.

- 6.2 試卷共有 20 題，題目中英對照。參賽者必須解答全卷所有題目。

The test has 20 questions. Questions are in bilingual versions. Contestants should answer all the questions.

- 6.3 有關歷屆比賽試題和題解，請瀏覽學苑網頁 <https://www.hkage.org.hk/b5/competitions/detail/7192>。

For details of questions and solutions of past years, please visit the website of the HKAGE <https://www.hkage.org.hk/en/competitions/detail/7192>.

- ~~6.4 若因任何原因而暫停面授形式的選拔賽，賽事將改以線上形式進行。各同學(包括經學校或自行提名)須於原定日期及時間返回所屬學校，並由所屬學校的統籌老師、數學老師或其他老師即場監考並透過 Zoom 直播考室實況，讓主辦單位可同時監考。賽事完結後，同學及老師須於限時內將考卷掃描並呈交。相關詳情將於 2022 年 4 月 29 日 (五) 或之前於學苑網站公布。~~

If the face-to-face preliminary contest is suspended because of any reasons, the preliminary contest will be conducted in online mode. Students (including school nomination and Self-nomination) should be back to their school at original date and time. The school coordinator teacher, mathematics teacher or any school teacher would be invigilators and there would be live monitoring via Zoom so that the organizer could invigilate simultaneously. After the contest, students and teachers have to scan and submit the exam paper within a given time. Details will be announced on HKAGE website on or before 29 April 2022 (Fri).

- 6.5 有關網上選拔賽詳情，請到學苑網頁 <https://www.hkage.org.hk/b5/competitions/detail/7192> 參閱《**參賽者指引 - 網上作賽安排**》。

For details of online selection test, please visit the website of the HKAGE <https://www.hkage.org.hk/b5/competitions/detail/7192> and refer to "Instruction to Contestants - Online Contest at Home Arrangement".

7. Notes on Competition 比賽須知:

- 7.1. 比賽題目涉及的數學概念，一般中四學生均可掌握；題目側重在幾何、代數和算術方面的高階思維技巧和解難能力。

Questions will be set on the mathematical concepts within the reach of S4 students with an emphasis on the higher order thinking skill, and problem-solving ability in geometry, algebra and arithmetic.

- 7.2. **參賽者須於比賽當日準時到達比賽場地，並必須穿著整齊校服及帶備香港身份證和學生證，否則其參賽資格可能會被取消。**

Contestants must report to the designated venue in school uniform punctually and bring along their Hong Kong Identity Cards and Student Identity Cards. Those who fail to comply may risk disqualification.

- 7.3. 參賽者於比賽開始後的首 30 分鐘及比賽完結前的 15 分鐘均不得早退。參賽者均須獲得監考員的允許方可早退。

Contestants are not allowed to leave the contest venue within the first 30 minutes and the last 15 minutes of the contest. Consent of the invigilators must be obtained for early leave.

- 7.4. 以比賽開始時間計算，遲到超過三十分鐘者將不能進場參賽，並會被取消資格。

Those who arrive at the designated venue 30 minutes after the starting time of the contest will be

- disqualified and will not be allowed to enter the venue.
- 7.5. 不可使用計算機。
Using calculators is prohibited.
- 7.6. 大會不提供任何文具。
No stationery will be provided.
- 7.7. 賽例如有更改，以比賽當天的公布為準。
Any changes in the rules and regulations, it will be announced on the day of contest.
- 7.8. 如有疑問，參賽者須於比賽完畢後，立即向會場主任提出。如有任何爭議，國際數學奧林匹克香港委員會保留最終決定權。
Queries should reach the officer-in-charge immediately after the contest. The IMO Hong Kong Committee reserves the right of the final decision in case of any dispute.
8. 本賽事設有個人金獎、銀獎、銅獎及優異獎。
There will be individual Gold, Silver, Bronze Awards and Honourable Mentions.
9. 所有獲得金、銀、銅及優異獎的參賽者將可參加「國際數學奧林匹克訓練 2022-23（第一期）基礎班」此外，適齡的得獎生如能順利完成「國際數學奧林匹克訓練 2022-23（第一期）基礎班」，將有機會獲邀按「尖子培育計劃」參加香港資優教育學苑的學員甄選。
詳情將於「國際數學奧林匹克－香港選拔賽初賽 2022」完結後公佈。
Awardees of Gold, Silver, Bronze Awards and Honourable Mentions will be eligible to participate in the “International Mathematics Olympiad Training 2022-23 (Phase I) Level 1”.
Besides, awardees of appropriate age who have successfully completed the “International Mathematics Olympiad Training 2022-23 (Phase I) Level 1” may be invited to join the screening for the HKAGE membership through the “Nurturing the Gifted Scheme”.
Details will be announced after the “International Mathematical Olympiad Preliminary Selection Contest - Hong Kong 2022”.
10. 比賽結果、頒獎禮及賽後國際數學奧林匹克訓練課程之安排，將於 2022 年 5 月 30 日在香港資優教育學苑網頁 <https://www.hkage.org.hk/b5/competitions/detail/7192> 發布。學校及學生請瀏覽該網頁查閱有關詳情。
Contest result, arrangement of the Prize-giving Ceremony and follow-on IMO training programmes will be released on 30 May 2022 through the HKAGE website <https://www.hkage.org.hk/en/competitions/detail/7192>. Schools and students may refer to the website for details.
11. 比賽結果只會公佈各獎項的得獎者名單。如有任何爭議，國際數學奧林匹克香港委員會保留最終決定權。
Only the awardee list will be announced in the contest result. The IMO Hong Kong Committee reserves the right of the final decision in case of any dispute.
12. 訓練課程將會以粵語進行及提供英文筆記。
The training programmes will be conducted in Cantonese with English handout provided.
13. 香港資優教育學苑可能會在比賽中進行攝錄，作紀錄、內部培訓或課程推廣之用。
The contest may be videotaped for the HKAGE's records, internal trainings and course promotions.
14. 本學苑及培訓導師／機構有責任為學生提供一個安全的學習環境。學生家長／合法監護人需確保子女能安全往返活動場地。
The HKAGE and the service provider(s) have the responsibility to provide a safe learning environment to students during the activity. Parent/Legal guardian should arrange safe drop-off and pick-up arrangement of their child to and from the activity.
15. 如有任何查詢，請致電 3940 0101 電郵至 imoprelim@hkage.org.hk，與香港資優教育學苑聯絡。
For enquiries, please contact the HKAGE at 3940 0101, or by email to imoprelim@hkage.org.hk.