International Junior Science Olympiad (IJSO) 2023 – Hong Kong Screening
國際初中科學奧林匹克 2023 – 香港選拔賽

Competition Details and Regulations 比賽詳情及規則

(Schools should make a copy of the "Competition Details and Regulations" to each student nominee for reference.) (請學校複印此「比賽詳情及規則」並派發給每位獲提名的學生，以供參考。)

1. **Date 舉行日期 ： 25 September 2022 (Sunday)　2022 年 9 月 25 日（星期日）**
2. **Time 時間： 3:00pm – 4:00pm (be seated at 2:30pm; make announcement at 2:45pm)**
   下午三時正至四時正（下午 2 時 30 分進場就坐；下午 2 時 45 分大會宣佈）
3. **Venue 地點： To be confirmed 待定**
4. **Notes on Nomination 提名須知：**

   4.1. Each secondary school may nominate **up to SIX students** for the captioned competition. Please list all nominated students in order of priority on the Online Nomination Form and submit all the nominations in one go. If the number of nominees exceeds the quota, places will be granted according to the order of nominees on the Nomination Form. (Remark: Previous IJSO Hong Kong team member satisfying the requirement stated in note 4.2. below can choose to join IJSO Phase I training directly, meaning that such case will not be counted towards the six-student quota.) 每所中學可提名**最多六名學生**參賽。請將所有提名學生以優先次序排列，並一次過提交網上提名表格。若獲提名的學生人數超過預定限額，學生的參賽資格將按提名表格上的優先次序決定。(備註：符合下面須知 4.2. 中要求的國際初中科學奧林匹克前香港隊隊員可以選擇直接進入國際初中科學奧林匹克第一階段訓練，這個情況並不會計算於六名學生之參賽名額內。)

   4.2. Students who were **born on or after 1 January 2008** and will still be studying in secondary schools in Hong Kong in the 2022/23 school year are eligible for nomination. 所有獲提名學生均須於 **2008 年 1 月 1 日或之後出生**，並於 2022/23 學年仍就讀於香港的中學。

   4.3. Schools participating in the event are requested to appoint a teacher-in-charge to coordinate the event. 參賽學校須委派一名負責教師協助統籌學生參賽。

   4.4. Schools may nominate students through the Hong Kong Academy for Gifted Education (HKAGE) website (https://www.hkage.org.hk/en/competitions) from **4 July 2022 (Monday) to 6 September 2022 (Tuesday) 12:00 noon**. 學校須於 **2022 年 7 月 4 日(星期一)至 2022 年 9 月 6 日(星期二)正午 12 時**經香港資優教育學苑網頁(https://www.hkage.org.hk/b5/competitions)提名學生參賽。

   4.5. Replacing a nominee with another student in the competition is NOT allowed. 名單一經提交學校不能於選拔賽更改隊員。

   4.6. Application results, Participant ID Number of contestants and other details will be released **after 12:00 noon on 19 September 2022 (Monday)** on the website of the HKAGE (https://www.hkage.org.hk/en/competitions). Principals, teachers and students concerned should take the initiative to check the details. **No further notification will be given**. 報名結果、學生參賽編號及其他有關詳情，將於 **2022 年 9 月 19 日(星期一)正午 12 時後**在香港資優教育學苑網頁(https://www.hkage.org.hk/b5/competitions)公佈，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**。

   4.7. If a student nominee will be transferred to another school in the 2022/23 school year, he/she is required to notify the HKAGE of the name of his/her new school before the Hong Kong Screening. The transferred student will no longer be a representative of his/her former school, but he/she can represent his/her new school providing that the school's quota has not been filled and that the school agrees to nominate him/her for the competition. The transferred student will become ineligible for the competition if his/her new school does not nominate him/her. 如獲提名的學生將於 2022/23 學年轉往另一所學校就讀，則需於香港選拔賽前，通知香港資優教育學苑其新學校的名稱。轉校的學生將不能代表前學校參賽，惟若其將就讀的學校提名名額未滿，而該學校亦同意提名其參賽，則可代表該校參賽，否則其參賽資格將被取消。

4.8. Upon submitting the nomination, the participants are deemed to have read, accepted and agreed to abide by the relevant regulations of the competition. 提名一經提交，即表示參賽者已閱讀、接受並同意遵守比賽的有關規則。

5. Competition Format 比賽形式：

5.1. The competition is comprised of a one-hour written test. 比賽以筆試形式進行，限時一小時。

5.2. There are 45 multiple choice questions in the test, which **is available in Chinese and English.** Contestants should answer all the questions. 試卷共有 45 條多項選擇題，題目有中、英文版本。參賽學生必須解答全卷所有題目。

5.3. The question set will mainly be based on the curriculum covered by the secondary Science Education Key Learning Area in Hong Kong. Please see the attachment of "Scope of the International Junior Science Olympiad - Hong Kong Screening". 所有題目主要根據香港的中學科學教育學習領域課程制訂，請參閱「國際初中科學奧林匹克－香港選拔賽範圍」。

5.4. For sample questions of the competition, please visit the HKAGE website (https://www.hkage.org.hk/en/competitions). 有關比賽的樣本試題，請瀏覽香港資優教育學苑網頁(https://www.hkage.org.hk/b5/competitions)。

6. Notes on Competition 比賽須知：

6.1. 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. 參賽學生須準時於比賽當日到達比賽場地報到，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。

6.2. Those who arrive at the designated venue 15 minutes after the starting time of the competition will be disqualified and will not be allowed to enter the venue. 以比賽開始時間計算，遲到超過十五分鐘者將被取消資格，並不准進場參賽。

6.3. Contestants are not allowed to leave early. 參賽學生均不得早退。

6.4. Only calculators approved by The Hong Kong Examinations and Assessment Authority with the "HKEAA APPROVED" label can be used for the event (http://www.hkeaa.edu.hk/DocLibrary/IPE/cal/CAL2019.pdf). Measuring instruments such as rulers and compasses can also be used. No stationeries will be provided. 比賽時，學生只可使用香港考試及評核局認可型號、並印有「HKEAA APPROVED」的計算機(http://www.hkeaa.edu.hk/DocLibrary/IPE/cal/CAL2019.pdf)。直尺、圓規及其他量度工具亦可作輔助之用。大會不提供任何文具。

6.5. Any changes in the regulations will be announced on the day of the event. 賽例如有更改，將於比賽當天公佈。

6.6. Enquiries should be made to the officer-in-charge immediately after the event. The decision of the International Junior Science Olympiad - Hong Kong Screening Steering Committee will be final. 如有疑問，參賽學生須於比賽完畢後，立即向會場主任提出。國際初中科學奧林匹克－香港選拔賽督導委員會有最終的裁決權。

7. Contestants can compete for individual First, Second and Third Class Honours, while schools can compete for team awards (Champion, First, Second and Third Runner-ups). For team awards, the four highest scores of each participating team will be counted. Only the awardee list will be announced in the competition result. The decision of the International Junior Science Olympiad - Hong Kong Screening Steering Committee is final for all competition-related matters and all stakeholders shall not raise any objection on the decision. 本賽事設有個人一等獎、二等獎及三等獎。另外，每間參賽學校隊伍最高的四個分數將被計算，並可競逐團體獎項(冠、亞、季、殿)。比賽結果只會公佈各獎項的得獎者名單。國際初中科學奧林匹克－香港選拔賽督導委員會對比賽的一切事宜擁有最終裁決權，所有相關人士不得異議。

8. Students with outstanding performance in the screening test will be eligible to participate in the "IJSO Student Training Programme - Phase I". After fulfilling the completion requirement in the Phase I training, students will be invited to be HKAGE student members through the "Nurturing the Gifted Scheme". Details will be announced after the competition. Please note that the training will be conducted in Cantonese ONLY (supplemented by English, with English handouts). Schools should provide related support to the students if needed. 在選拔賽中表現優秀的學生將可參加「國際初中科學奧林匹克訓練課程－第一階段」。按要求完成第一階段培訓後，學生將獲邀經由「尖子培育計劃」成為香港資優學苑學員。詳情將於比賽後公佈。訓練課程只會以粵語進行 (輔以英語及英文筆記)，敬請留意。學校應為有需要的學生提供相關協助。

9. Results and arrangements of the Prize-giving Ceremony and follow-on training programmes will be released in mid-October 2022 on the HKAGE website (https://www.hkage.org.hk/en/competitions). Schools and students may refer to the website for details. 比賽結果、頒獎禮及賽後訓練課程之安排將於 2022 年 10 月中旬在香港資優教育學苑網頁(https://www.hkage.org.hk/b5/competitions)發放。學校及學生請瀏覽該網頁查閱有關詳情 。

10. For enquiries, please contact us on 3940 0101 or by email ijsohkscreening@hkage.org.hk. 如有任何查詢，請致電 3940 0101 或電郵至 ijsohkscreening@hkage.org.hk。

Attachment 1

Scope of the International Junior Science Olympiad - Hong Kong Screening
國際初中科學奧林匹克－香港選拔賽範圍

The questions in the International Junior Science Olympiad - Hong Kong Screening are mainly based on the Science Education Key Learning Area (S1-3) curriculum in Hong Kong. Besides, the following topics in senior secondary curriculum are also covered:
國際初中科學奧林匹克－香港選拔賽的比賽題目主要以香港的科學教育學習領域(中一至中三)課程為基礎。除此之外，比賽亦會涵蓋香港高中課程中以下的課題：

1. Physics 物理	
1.1	Heat and Gases 熱和氣體
1.2	Force and Motion 力和運動
1.3	Wave Motion 波動
1.4	Electricity and Magnetism 電和磁
1.5	Radioactivity and Nuclear Energy 放射現象和核能

2. Chemistry 化學	
2.1	Planet Earth 地球
2.2	Microscopic World 微觀世界
2.3	Metals 金屬 Fossil Fuels and Carbon Compounds 化石燃料和碳化合物
2.4	Acids and Bases 酸和鹽基
2.5	Chemical Reactions and Energy 化學反應和能量 Redox Reactions, Chemical Cells and Electrolysis 氧化還原反應、化學電池和電解
2.6	Rate of Reaction 反應速率 Chemical Equilibrium 化學平衡
2.7	Chemistry of Carbon Compounds 碳化合物的化學 Patterns in the chemical world 化學世界中的規律

3. Biology 生物	
3.1	Cells and Molecules of Life 細胞與生命分子
3.2	Genetics and Evolution 遺傳與進化
3.3	Organisms and Environment 生物與環境
3.4	Health and Diseases 健康與疾病

Suggested reference materials:
建議參考資料：

- Science Education Key Learning Area Curriculum Guide (Primary 1 - Secondary 6), Education Bureau (2017)
  Supplement to the Science Education Key Learning Area Curriculum Guide: Science (Secondary 1-3), Education Bureau (2017)
  Physics – Curriculum and Assessment Guide (Secondary 4-6), Education Bureau (2015)
  Chemistry – Curriculum and Assessment Guide (Secondary 4-6), Education Bureau (2018)
  Biology – Curriculum and Assessment Guide (Secondary 4-6), Education Bureau (2015)
  https://www.edb.gov.hk/en/curriculum-development/kla/science-edu/curriculum-documents.html
- 科學教育學習領域課程指引(小一至中六), 教育局 (2017)
  科學教育學習領域課程指引補充文件－科學(中一至中三), 教育局 (2017)
  物理－課程及評估指引(中四至中六), 教育局 (2015)
  化學－課程及評估指引(中四至中六), 教育局 (2018)
  生物－課程及評估指引(中四至中六), 教育局 (2015)
  https://www.edb.gov.hk/tc/curriculum-development/kla/science-edu/curriculum-documents.html
- Science (Secondary 1-3), Education Bureau (1998)
  https://cd1.edb.hkedcity.net/cd/science/is/sci_syllabus_S1to3_e.pdf
- 科學科(中一至中三), 教育局 (1998)
  http://cd1.edb.hkedcity.net/cd/science/is/sci_syllabus_S1to3_c.pdf