

**Results of Mathematics Project Competition for Secondary Schools (2023/24)**  
**中學數學專題習作比賽 (2023/24) 成績**

**Category A: Junior secondary project A 組：初中習作**

<b>Results 成績</b>	<b>School 學校</b>	<b>Title of Project 專題習作名稱</b>
Champion 冠軍	Wah Yan College, Kowloon 華仁書院 (九龍)	Incenters and Inspheres of Tetrahedrons
1st runner-up 亞軍	Wong Shiu Chi Secondary School 王肇枝中學	火柴幾何的多邊形問題
2nd runner-up 季軍	Yan Oi Tong Tin Ka Ping Secondary School 仁愛堂田家炳中學	The Fragmented Stars

**Award for Best Presentation**  
**最佳演繹獎**

<b>School 學校</b>	<b>Title of Project 專題習作名稱</b>
Lung Kong World Federation School Limited Lau Wong Fat Secondary School 世界龍岡學校劉皇發中學	切開有條路

**Teams of Outstanding Performance and the Titles of their Winning Projects**  
**表現優異獎隊伍及作品名稱**

School (in alphabetic order) 學校(按英文名字排序)	Title of Project 專題習作名稱
CCC Fong Yun Wah Secondary School 中華基督教會方潤華中學	淺談彈波機遊戲的得獎概率
Lung Kong World Federation School Limited Lau Wong Fat Secondary School 世界龍岡學校劉皇發中學	切開有條路
Wong Shiu Chi Secondary School 王肇枝中學	初探整除規則

**Teams of Good Performance and the Titles of their Winning Projects**  
**表現良好獎隊伍及作品名稱**

School (in alphabetic order) 學校(按英文名字排序)	Title of Project 專題習作名稱
Diocesan Girls' School 拔萃女書院	Exploring Bertrand's Paradox: Unveiling the Elusive Nature of Probability
HKSYPICIA Wong Tai Shan Memorial College 香港四邑商工總會黃棣珊紀念中學	垃圾徵費怎樣慳
HKUGA College 港大同學會書院	Infinity
Hong Kong Chinese Women's Club College 香港中國婦女會中學	Using Mathematical Modelling to find the most suitable route in Time-varying Toll Plan
Kwun Tong Government Secondary School 觀塘官立中學	Unveiling the Mysteries of Geometric Balance
Methodist College 循道中學	Strong Divisibility Sequence in Fibonacci Sequence and the Subsequence of Lucas Sequence with Respect to the Original Indices
New Asia Middle School 新亞中學	柯尼斯堡七橋問題

<b>School (in alphabetic order)</b> <b>學校(按英文名字排序)</b>	<b>Title of Project</b> <b>專題習作名稱</b>
Sha Tin Government Secondary School 沙田官立中學	Modeling The Uncertainty of Pinball Game
Shun Tak Fraternal Association Yung Yau College 順德聯誼總會翁祐中學	四邊形的推廣
St. Paul's Co-educational College 聖保羅男女中學	Probability of winning in the rainbow-throwing game
St. Paul's Convent School (Secondary) 聖保祿學校	Curve fit challenge: find the best fitted line
STFA Lee Shau Kee College 順德聯誼總會李兆基中學	King of Selecting Cards
The HKCCCU Logos Academy 香港華人基督教聯會真道書院	Analyzing the conditions for defining specific quadrilaterals and their relationship
Wong Shiu Chi Secondary School 王肇枝中學	The Proofs of Napoleon's Theorem and Van Aubel's Theorem by Elementary Deductive Geometry

## Category B: S1 mini-project B 組：中一小型習作

### **Team of Outstanding Performance and the Title of the Winning Project** **表現優異獎隊伍及作品名稱**

<b>School (in alphabetic order)</b> 學校(按英文名字排序)	<b>Title of Project</b> 專題習作名稱
Pok Oi Hospital Chan Kai Memorial College 博愛醫院陳楷紀念中學	不發胖麥當勞配搭法
Pui Kiu College 培僑書院	利用數學建模決定應該拉箱子還是推箱子
Sha Tin Government Secondary School 沙田官立中學	Insight from the latest time shown on the Doomsday Clock

### **Team of Mathematical Modelling Award and the Title of the Winning Project** **數學建模獎隊伍及作品名稱**

<b>School (in alphabetic order)</b> 學校(按英文名字排序)	<b>Title of Project</b> 專題習作名稱
Pok Oi Hospital Chan Kai Memorial College 博愛醫院陳楷紀念中學	不發胖麥當勞配搭法
Sha Tin Government Secondary School 沙田官立中學	Insight from the latest time shown on the Doomsday Clock

**Teams of Good Performance and the titles of their Winning Projects**  
**表現良好獎隊伍及作品名稱**

School (in alphabetic order) 學校(按英文名字排序)	Title of Project 專題習作名稱
Diocesan Girls' School 拔萃女書院	Choosing the Best Athlete – a Mathematical Modelling Approach
Po Leung Kuk Celine Ho Yam Tong College 保良局何蔭棠中學	《搶三十》的必勝策略
SKH Lui Ming Choi Secondary School 聖公會呂明才中學	擲彩虹能回本嗎？
Stewards Pooi Kei College 香港神託會培基書院	Probabilities in weather prediction
Yan Oi Tong Tin Ka Ping Secondary School 仁愛堂田家炳中學	Three Mathematical Strategic Games

Remark : Letter would be sent to the school of the awarding team for the results of Mathematics Project Competition for Secondary Schools (2023/24) by 25 May 2024. Award teams would be invited to attend the Prize Presentation Ceremony of Mathematics Project Competition and Mathematics Book Report Competition for Secondary Schools (2023/24) cum Exhibition of the Winning Entries held on 4 July 2024 (Thursday) at 2:30 p.m. in 9/F Auditorium, The Hong Kong Federation of Youth Groups Building, 21 Pak Fuk Road, North Point, Hong Kong.

註：得獎隊伍的參賽學校將在2024年5月25日收到中學數學專題習作比賽（2023/24）結果的信件。得獎隊伍亦會被邀請參加於2024年7月4日（星期四）下午2時30分假香港北角百福道21號香港青年協會大廈9樓演講廳舉行的中學數學專題習作比賽及數學閱讀報告比賽(2023/24) 頒獎禮暨優勝作品展覽。