



IMEC INTERNATIONAL MATHEMATICS OLYMPIAD 2024/2025

國際數學奧林匹克公開賽
2024/2025



IMEC GLOBAL ROUND SYDNEY AUS 2024

NATIONAL ROUND 初賽
FINAL ROUND 決賽 SYDNEY AUSTRALIA
JOIN US IN NOVEMBER 2024 今年11月見
SCHOLARSHIP 獎學金
WELCOME KINDERGARTEN, PRIMARY, SECONDARY
STUDENTS 歡迎幼稚園小學和中學同學參加





IMEC (International Mathematics Olympiad) 2024/2025

Dear Principals, teachers, Mathematics Panel Heads and STEM coordinators,

IMEC (International Mathematics Olympiad) is from the UK (UNICEP is Universal Centre of Educational Platform, they have IMEC, JEO (Junior English Olympics) and ISCO (International Science Challenge Olympiad) nearly 30 countries and regions such as Australia, UK, US, Canada, Turkey, Malaysia, Indonesia, Egypt, Thailand, Philippines, Vietnam (and more countries and regions) participate in IMEC every year. Miss Man International Education is so delighted and proudly represents IMEC in order to bring more global Mathematics questions and challenges to our students and schools. The Olympiad will be in two rounds (Preliminary round and Global round). Students in the pre-selection will be eligible to participate in the Global Round in Sydney, Australia. The key competence tested by IMEC is logical combination, not just pure knowledge of formulas.

Aiming to encourage students to study in Mathematics and critical thinking, the IMEC team decided to conduct an Olympiad of International Mathematics Exam Center to boost the motivation of both teachers and students who love challenges, exploration and STEM. The IMEC team also hopes this Olympiad will help all types of schools to keep their students engaged and to observe their Mathematics education in an international area.

Each participating school may organize their students in each category from Kindergarten, Grade 1 to 11 (Primary 1 to 6, Secondary 1 to 5). Students can receive prizes for their personal achievement in this Olympiad. Per category, 60% of the IMEC Preliminary round qualifiers for the IMEC Global Round. IMEC preliminary round will be conducted in English and Chinese languages. This event is hoped to motivate students to see Mathematics in a different light, have their interest stimulated in the subject and think how they can apply Math skills in their future studies and daily life. Students also can get the opportunity to get the scholarship in the preliminary round.

We wish the best to all students and their Mathematics teachers. We hope our youth will be inspired to think critically and scientifically by the love of Mathematics and Technology. We look forward to welcoming you all on the Olympiad days.

Kindly read this information pack in order to get more competition details and registration.

Warm regards,

Mike Ben
IMEC, UNICEP
Organisation
Coordinator

Miss.Man
Miss Man International Education
Founder & Director



IMEC (International Mathematics Olympiad)

Objectives

1. Encouraging students of Kindergarten and Grades 1-12 (P.1 - 6, S.1 -11) in striving for excellence in Mathematics.
2. Contributing to the continuous professional development efforts for improving the skills-base of in-service teachers of Mathematics;
3. Building confidence among students;
4. Promoting international mindedness among students;
5. To make students think in an out-of-box concept
6. To help schools to sustain their students energetic and purposeful

Participation year levels

IMEC (International Mathematics Olympiad) has 6 categories. Kindly read the list below to participate in a suitable category.

Year Levels	Category
Kindergartens	Category 1
Grade 1/Primary 1	
Grade 2/ Primary 2	Category 2
Grade 3/ Primary 3	
Grade 4 and Grade 5/ Primary 4 and Primary 5	Category 3
Grade 6/ Primary 6	
Grade 7/ Secondary 1	Category 4
Grade 8/ Secondary 2	
Grade 9/ Secondary 3	Category 5
Grade 10, 11/ Secondary 4, 5	

Competition Topics and Content

Category 1	Category 2	Category 3
1) Addition and Subtraction with 1 – digit and 2 – digit numbers 2) Comparing numbers 3) Balance Problem 4) Counting 2-D and 3-D shapes 5) Odd and Even numbers 6) Creating 2 – 3 digit numbers 7) Ordering the numbers 8) Counting numbers of sides and interior angles 9) Area and perimeter of the shapes 10) Basic number pattern and figure pattern 11) Basic Number sequence 12) Basic Logic Questions	1) Addition and Subtraction with 2 – digit and 3 – digit numbers 2) Sum, different and multiples of number sentence 3) Counting 2-D and 3-D shapes 4) Creating 2 – 3 digit numbers 5) Area and perimeter of 2D and 3D figures, Recognizing geometric figures 6) Counting numbers of sides and interior angles 7) Age and Date problems 8) Simple Combination 9) Basic Arithmetic pattern 10) Basic number pattern and sequence 11) Logic Questions 12) Chicken and rabbit theorem	1) Addition, subtraction, multiplication, division on periodic sequence 2) Balance on equation, system of equation, Fraction calculation 3) Divisibility by 2, 3, 4, 5, 9 4) Area and perimeter of 2D and 3D figures, Recognizing geometric figures 5) Number pattern, Figure pattern and transformation 6) Time, Distance, Speed and Word problem 7) Simple arithmetic operations with 1,2,3 and 4-digit numbers 8) Representing data using simple table, bar graph 9) Simple arithmetic operations with 1,2,3 and 4-digit numbers 10) Logic Questions

Competition Topics and Content

Category 4	Category 5
1) Addition, subtraction, multiplication, division on periodic sequence 2) Calculations using integers, exponents, fractions, decimals, percentage 3) Solving equation and system of equation 4) Value of functions 5) Divisibility by 2, 3, 4, 5, 8, 9, 11 and GCD, LCM 6) Time, Distance, Speed and Word problem 7) Clock, a calendar. 8) Area and perimeter of 2D and 3D figures, Pythagorean theorem 9) Mathematical logics and magic squares 10) Representing data using table, bar graph, line graph and scatter plot 11) Logic Questions	1) Algebraic expression (algebraic fraction, absolute value, radical number...) 2) Calculations using integers, exponents, fractions, decimals, percentage 3) Equations, inequalities, and systems of equations 4) Time, Distance, Speed and Word problem 5) Word problem using equations, number and figure pattern 6) Value of functions and sequence 7) Counting problems using rule of product and rule of sum 8) Mathematical logics and magic squares 9) Angles, areas of polygons, and a circle 10) Congruent and similar triangles 11) Representing data using tables, bar graph, pie chart or line graph and using the data 12) Logic Questions

Competition information

IMEC has preliminary and Global round competitions. The students have a chance to be invited into the Global round to win the final award.

Preliminary Round 2024/2025: Online - based competition

Date of competition	: 1 st December 2024
Time	: To be confirmed
Duration	: 50 minutes
Competition portal	: www.imec-online.com (conduct online)
Deadline of submission	: 15 November 2024

Preliminary Round 2024/2025: Paper-based competition for schools

Period of competition: 18 November - 3 December 2024 (Teacher can conduct the competition in the school in the provided period, Miss Man International Education will be delivered papers to the schools)

*We are welcome to participate in paper-based tests in the schools, please contact us for more details such as dates and materials. Paper-based test is only available in the preliminary round. (contact email: hkoffice@missmaneducation.com, whatsapp: +852 5918 5176).

Competition structure

Question form	: 25 questions with 21 multiple choice and 4 open-ended questions
Language	: English and Chinese - Criteria : 3 wrong answers will void 1 correct answer
Results	: 16 December 2024

Prizes and Awards

Preliminary round: Each participant will be given a certificate according to their achievements.

60% each category will be invited to the **global round in Sydney, Australia from 13 to 22 April 2025.**

*The participants will have an opportunity to be invited to attend the physical ceremony in Hong Kong (June / July 2025).

Awards for all categories - Top three in the world:

Diamond 1: US\$200

Diamond 2: US\$150

Diamond 3: US\$100

Gold	10% of Participants
Sliver	20% of Participants
Bronze	30% of Participants



(certificate and medal samples 2023/2024)



Competition fees

Preliminary round with e-certificate: HK\$ 135 / MOP\$140 per person or,

Preliminary round with physical certificate & surface mailing: HK\$160 / MOP\$165 per person or,

Preliminary round, physical certificate, medal & surface mailing: HK\$ 190 / MOP\$195 per person

Sample questions and past papers

Sample questions and past papers with both Chinese and English versions. Please scan QR code(s) to download to start your experience.

<https://drive.google.com/drive/folders/16vSCAUdtSAiHOuKXa0ERALDYGZ83UIt0?usp=sharing>



Computer device

For online competition, students are required to prepare the computer device (e.g. desktop, laptop) with video function/ camera. If students choose to use an iPad or tablet, please prepare another device with a webcam or video function. Once students finish the application and payment, Miss Man International Education will be sent you the guideline to conduct the online competition.

School registration

Complete the spreadsheet (scan QR code to download), please submit the spreadsheet by email hkoffice@missmaneducation.com / education@missmaneducation.com or by whatsapp +852 5918 5176 / +852 6714 3779

<https://docs.google.com/spreadsheets/d/1COPguYkoe-1o0N0tk8PdLCum1xUorxaV/edit?usp=sharing&ouid=113977876609390264529&rtpof=true&sd=true>



Individual registration

Complete e-registration form (scan QR code below) and finish payment

<https://forms.gle/vKbK13nBKHak91rEA>



Payment method (Non- refundable once the payment has been submitted.)

Cheque (For school use only)	Please write the cheque payable to: Miss Man International Education Limited Please post to the address below: Miss Man International Education Limited Shop B31, Tung Wai Court, 3 Tsing Ling Path, Tuen Mun, N.T.
Bank Transfer (Hong Kong)	Account name: Miss Man International Education Ltd Account number: 747-269-835-838 (HSBC bank account) Please keep the bank slip and send by email hkoffice@missmaneducation.com / education@missmaneducation.com or by WhatsApp +852 5918 5176 / +852 6714 3779

FPS/ Payme/ Alipay (Hong Kong)	Mobile number: +852 63327108
Bank Transfer (Macau)	Account name: Miss Man International Education Ltd Account number(HKD): 9019450137 / Account number(MOP): 9019450154 Please keep the bank slip and send by email info@missmaneducation.com or by WhatsApp +853 / +852 5918 5176/ +852 6714 3779
MPay (Macau)	Mobile number: +853 62085323

2022, 2023 & 2024 IMEC medal winners - Photos gallery



Contact us

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