

**Education Bureau Circular Memorandum No. 203/2025**

To : Heads of all secondary schools

Date : 6 November 2025

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**“2026 Hong Kong-Shanghai Mathematical Modelling Competition  
for Secondary Students” and  
“Mathematical Modelling Competition for Secondary Students 2025/26”**

**Summary**

The purpose of this circular memorandum is to invite secondary schools to nominate students to participate in the captioned competitions, and nominate teachers and students to participate in relevant training workshops.

**Background**

2. The Education Bureau (EDB) has been stepping up the promotion of STEAM education in schools, launching various curriculum support measures to strengthen students’ abilities in integration and application of what they have learnt in Mathematics, Science, and Innovation and Technology. These measures include organising training activities on mathematical modelling for teachers and students to strengthen students’ ability in applying mathematics to solve real-life problems. In order to further enrich students’ understanding of mathematical modelling, and promote interflow in mathematical modelling education between Hong Kong’s school sector and their Chinese Mainland and international counterparts, EDB organises more large-scale cross-regional student competitions in mathematical modelling starting from the 2024/25 school year, and provides relevant training programmes which are open to all secondary schools in Hong Kong.

**Details**

**2026 Hong Kong-Shanghai Mathematical Modelling Competition for Secondary Students**

3. The Hong Kong-Shanghai Mathematical Modelling Competition for Secondary Schools, jointly organised by EDB and Shanghai Teacher Institute, aims to provide senior secondary students of Shanghai and Hong Kong with the opportunity to solve complex real-life problems using mathematical modelling in teams, for strengthening students’ abilities in the application of Mathematics. It also promotes exchange among students from both cities and broadens the horizons of students, while also raising the school sector’s awareness of mathematical modelling education.

4. The 2026 Hong Kong-Shanghai Mathematical Modelling Competition for Secondary Schools is tentatively scheduled to take place in Shanghai in July 2026. Five teams of 4 – 6 senior secondary students from each city will be selected to participate in the competition. The competition will require teams to develop a mathematical modelling report within a specified time frame, followed by an oral defense. The teams representing Hong Kong will be selected through the senior secondary division of the Mathematical Modelling Competition for Secondary Students 2025/26 organised by EDB.

5. EDB will organise additional training programme for the five selected Hong Kong student teams entering the 2026 Hong Kong-Shanghai Mathematical Modelling Competition for Secondary Schools. This training programme, tentatively scheduled to run from April to June 2026, aim to further develop students' advanced mathematical modelling skills and strategies.

### **Mathematical Modelling Competition for Secondary Students 2025/26 and Related Workshops**

6. The Mathematical Modelling Competition for Secondary Students (MMCSS) 2025/26 will be held between February and March 2026, involving teams joining two categories, namely the junior secondary division and the senior secondary division. Winning teams in the junior secondary division and senior secondary division will receive certificates and prizes. In addition, the five top-performing teams from the senior secondary division will represent Hong Kong to participate in the 2026 Hong Kong-Shanghai Mathematical Modelling Competition for Secondary Schools tentatively scheduled for July 2026.

7. To further enhance teachers' and students' understanding of mathematical modelling and the arrangements for the MMCSS 2025/26, EDB will organise relevant workshops respectively for teacher and students interested in or considering to participate in the competition. The details are as follows:

- (a) Teacher Workshops (6 hours): These workshops aim to facilitate teachers in developing effective learning and teaching strategies for mathematical modelling through professional training and experience sharing, thereby enhancing their professional capabilities in promoting STEAM education through Mathematics, and providing them with opportunities to share their teaching experiences in promoting mathematical modelling. The teacher workshops will also cover learning and teaching strategies for preparing students for the MMCSS 2025/26.

The teacher workshops will be held in December 2025. Teacher may enroll through EDB's Training Calendar System. The course ID is CSD020260229.

- (b) **Student Workshops (6 hours):** These workshops aim to enhance students' ability to apply mathematical modelling in solving real-life and STEAM-related problems and use appropriate information technology tools (including AI tools) to solve problems, and develop their knowledge and skills in writing mathematical modelling reports.

The student workshops will be held from January to February 2026. Schools may nominate students to participate using the application form in **Annex 1**. Schools which also register for the MMCSS 2025/26 will be given priority. EDB will allocate workshop places to each school based on the number of participating schools in the MMCSS 2025/26.

8. EDB will hold a **briefing session on the 2026 Hong Kong-Shanghai Mathematical Modelling Competition for Secondary Schools and Mathematical Modelling Competition for Secondary Students 2025/26** in December 2025 to familiarise teachers and students with the arrangements and rules of both competitions. For details of the briefing session, please visit EDB's Training Calendar System. The course ID is CSD020260228.

9. All secondary schools in Hong Kong are invited to nominate students to participate in the **Mathematical Modelling Competition for Secondary Students 2025/26** and related **student workshops**. Interested schools are required to complete the application form in **Annex 1**, and return it to the Mathematics Education Section of the Innovation Technology Education Division, EDB by email (cdoma11@edb.gov.hk) **on or before 11 December 2025 (Thursday)**.

## Enquiries

10. For details about the Mathematical Modelling Competition for Secondary Students 2025/26 and the 2026 Hong Kong-Shanghai Mathematical Modelling Competition for Secondary Schools, please visit the relevant webpage of the Mathematics Education Section of the Education Bureau (<https://www.edb.gov.hk/en/curriculum-development/kla/ma/res/mmcss.html>). For further enquiries, please contact Ms YEUNG Wai-ling of the Mathematics Education Section of the Education Bureau at 2153 7469 or Ms CHEUNG Mei-sin of the Mathematics Education Section of the Education Bureau at 2153 7430.

Mr CHAN Siu-chuen  
for Secretary of Education

c.c. : Heads of Sections – for information

Mathematics Education Section  
 Innovation Technology Education Division, Education Bureau  
 Room 403, 4/F, Kowloon Government Offices  
 405 Nathan Road, Kowloon  
 Attn: Ms YEUNG Wai-ling  
 (Please return through email: [cdoma11@edb.gov.hk](mailto:cdoma11@edb.gov.hk))

**Mathematical Modelling Competition for Secondary Students 2025/26**  
**Application Form of the Competition and Student Workshops**  
**(Application Deadline: 11 December 2025 (Thursday))**

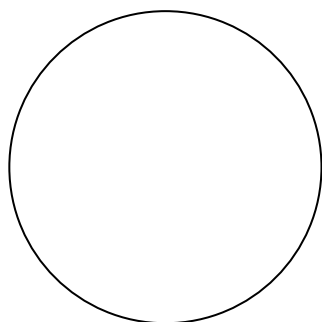
I nominate \_\_\_\_\_<sup>(†)</sup> team(s)<sup>(#)</sup> to participate in the Mathematical Modelling Competition for Secondary Students 2025/26, in which \_\_\_\_\_<sup>(†)</sup> team(s)<sup>(#)</sup> will participate in the junior secondary division and \_\_\_\_\_<sup>(†)</sup> team(s)<sup>(#)</sup> will participate in the senior secondary division. I also nominate \_\_\_\_\_<sup>(†)</sup> student(s) to participate in the junior secondary student workshop and \_\_\_\_\_<sup>(†)</sup> student(s) to participate in the senior secondary student workshop<sup>◇</sup>. The teacher-in-charge is:

Name of Teacher: (中文) \_\_\_\_\_先生/女士\*

(English) Mr /Ms\* \_\_\_\_\_

Contact no.: \_\_\_\_\_ Email: \_\_\_\_\_

**Our school authorises the Mathematics Education Section, Innovation Technology Education Division, EDB to announce the related information of the team(s) or student(s) (restricted to the name of the student(s), the class level(s) and the name of the school) for the results of the captioned competition.**



School Chop

Signature of Principal: \_\_\_\_\_

Name of Principal: \_\_\_\_\_

Name of School: \_\_\_\_\_

Tel. No.: \_\_\_\_\_

Fax No.: \_\_\_\_\_

Date: \_\_\_\_\_

<sup>†</sup> Please enter a number.

<sup>#</sup> In the junior secondary and senior secondary divisions, each team comprises **four to six students from Secondary 1 to 3 and Secondary 4 to 6 respectively**. Each school can only register a maximum of 2 teams in each division.

\* Please delete whichever is inappropriate.

<sup>◇</sup> The Education Bureau will allocate student workshop places to each school based on the number of participating schools.