

Creative Infographic Design Competition on Applications of Mathematics for Primary and Secondary Schools (2024/25)

Aims / Objectives

This is to invite primary and secondary schools to nominate students to participate in the captioned Competition.

Details

2. The Creative Infographic Design Competition on Applications of Mathematics for Primary and Secondary Schools is organised by the Mathematics Education Section, Curriculum Support Division, EDB. The aims of the Competition are to promote students' interest in learning mathematics and enhance their awareness of the applications of mathematics in different aspects in real life.

3. To provide schools with details of the Competition, the EDB will hold an online briefing seminar on **12 December 2024 (Thursday)**. For details of the seminar, please visit the EDB Training Calendar System (Course ID: CSD020250170).

4. Schools may nominate students to participate in the Competition by completing the Application Form and returning it to the Mathematics Education Section, Curriculum Support Division, EDB by mail or fax **on or before 11 February 2025 (Tuesday)**. The deadline for the submission of students' entries is **5:00 p.m. on 4 March 2025 (Tuesday)**.

5. The Declaration and Consent Form should be submitted together with students' entries before the deadline. For the regulations of the captioned competition, please refer to **Appendix 15a**.

6. Both the Application Form and the Declaration and Consent Form can be downloaded from the related EDB website:

<https://www.edb.gov.hk/en/curriculum-development/kla/ma/res/sa/midc.html>



7. In case of class suspension for schools due to special circumstances, the application deadline and the deadline for submission of entries may be postponed. Other arrangements of the competition may also be changed. Latest information will be updated on the related EDB website mentioned above. Teacher supervisors will also be informed by email through the email addresses provided in the application form.

Contact Person

8. For enquiries, please contact Ms LO Lok-gee (Primary School) on 2153 7451, or Mr SUN Siu-wing (Secondary School) on 2153 7470.

**Creative Infographic Design Competition on Applications of Mathematics
for Primary and Secondary Schools (2024/25)
Details**

The Creative Infographic Design Competition on Applications of Mathematics for Primary and Secondary Schools (2024/25) (hereafter “the competition”) is organised by the Mathematics Education Section, Curriculum Support Division, Education Bureau. It aims at promoting students’ interest in learning Mathematics and enhancing students’ awareness of the applications of mathematics in different aspects in real life. The competition encourages students to design infographics which incorporate the elements of graphs, diagrams, text and mathematical expressions in creative ways to express the real-life applications of mathematics effectively and clearly. Through the competition, students’ understanding of the role of mathematics in STEAM would be enhanced. Students are also encouraged to appreciate mathematics in multiple perspectives and develop their creativity and communication skills. Details of the competition are given below:

1. Rules for the Creative Infographic Design Competition on Applications of Mathematics

- (a) The competition is on individual basis in three categories, namely the Upper Primary Category (Primary 4 to 6), Junior Secondary Category (Secondary 1 to 3) and Senior Secondary Category (Secondary 4 to 6). All upper primary school students and secondary school students who are studying in local primary and secondary schools are eligible to participate in the competition.
- (b) Each school can nominate at most *eight* students to participate in the competition. For schools with both Primary and Secondary Sections, Primary Section and Secondary Section are considered as two different schools. These schools should indicate clearly in the application form which section do they belong to. Each student may only submit one piece of work which includes an infographic and a short essay.
 - (i) The information conveyed by the infographic must be related to the specific theme of the year. The infographic should express the applications of mathematics under the specific theme clearly and accurately with the aid of graphs, charts, text and mathematical expressions, etc. The targets of the design are to allow general public to understand the applications of mathematics in real life, and to promote the contribution of mathematics in different aspects. **The theme of this year’s competition is “Meteo-matics”**, i.e. the mathematics in meteorology.

- (ii) The basic specifications of the infographic:

Size	A3 (297mm × 420mm) Maximum size of the file is 10MB
Type of file	jpeg
Resolution	Must have sufficient resolution for clear display of all elements of the infographic, such as text and graphs.
Colour	The number of colour is unlimited
Design	<ul style="list-style-type: none"> • Should introduce the applications of mathematics in a specific area and convey related information. • Should emphasise the positive influence of mathematics in the specific area.

- (iii) Participants should attach a short essay (either in English or Chinese) along with the infographic, introducing the design concept, content of the infographic, and the message expressed by the infographic and how that message is expressed through the infographic. The title of the infographic should be clearly displayed in the short essay. The short essay should be written in **at most 150 words** for the Upper Primary Category and **at most 300 words** for the Junior Secondary and Senior Secondary Categories, punctuation marks counted in Chinese essays.
- (iv) The short essay must be typeset by computer and submitted in MS Word format or in PDF format fulfilling the following requirements:

Type of the file	doc / docx / pdf
Font type in English	Times New Roman
Font type in Chinese	PMingLiu (新細明體) or MingLiu (細明體)
Font size	12
Line spacing	Double line spacing

The short essay must be composed in text only and mathematical expressions may also be included. **Handwritten short essays or their scanned copies will not be adjudicated.**

- (c) The content of the infographic and short essay **should not contain any identifications of the participant**, such as the school name and the name of the teacher supervisor, etc. **Otherwise, marks may be deducted.**

- (d) Each participant and his/her parent/guardian have to sign the Declaration and Consent Form to declare that both the infographic and short essay are the original work of the participant, and have never been previously submitted to this competition or other open competitions. The details of sources of all reference information, including tables and diagrams, but not limited to the books, Internet or works generated by Artificial Intelligence (AI) tools, if quoted in the infographic or short essay, must be indicated clearly as an appendix to the short essay. The details of the sources should include information such as the names of the books and their authors, or the URLs of websites and/or the use of AI tools. The entry will be **disqualified or will not be adjudicated** if the infographic and short essay fail to comply with the requirements.
- (e) Each participating school should submit all the entries (including the infographics and the short essays) and the Declaration and Consent Form of each participant together through email to cdoma14@edb.gov.hk (Upper Primary Category) or cdoma3@edb.gov.hk (Junior and Senior Secondary Categories) via the email address of the teacher-in-charge by **5:00 p.m. on 4 March 2025 (Tuesday)**. **Submission through cloud drives is not recommended. Failing to submit entries or documents to the designated email addresses for each category before the deadline will result in them not being adjudicated.**
- (i) The file name of the infographic and short essay must be formed by the name of the school and student plus “_graph” and “_essay” respectively
(e.g. *Pri_ABC School_LiSiuMing_graph.jpg* and *Pri_ABC School_LiSiuMing_essay.doc*;
Sec_EFG College_ChanTaiMan_graph.jpg and *Sec_EFG college_ChanTaiMan_essay.doc*).
- (ii) The signed Declaration and Consent Form should be scanned and saved in PDF format, with the name of school and student as the file name
(e.g. *Pri_ABC School_LiSiuMing.pdf* and *Sec_EFG College_ChanTaiMan.pdf*).
- (iii) The Declaration and Consent Form can be downloaded from the website of the Creative Infographic Design Competition on Applications of Mathematics for Primary and Secondary Schools:



<https://www.edb.gov.hk/en/curriculum-development/kla/ma/res/sa/midc.html>

- (f) Schools may also submit DVDs or USB flash memories containing all the electronic versions of infographic(s), short essay(s) and Declaration and Consent Form(s) in an envelope **by hand** to the Mathematics Education Section, Curriculum Support Division, EDB by **5:00 p.m. on 4 March 2025 (Tuesday)**. The envelope should indicate “Creative Infographic Design Competition on Applications of Mathematics

for Primary and Secondary Schools (2024/25)” and the participating category on the cover.

(g) **Online nomination form**

In addition to the electronic versions of infographic(s), short essay(s) and Declaration and Consent Form(s) to be submitted through email or by hand, the teacher-in-charge is required to represent the participating school to complete and submit an online nomination



form (Website: <https://forms.gle/hFRy9kf1ngSXEtAp6>) **on or before 5:00 p.m. on 4 March 2025 (Tuesday)**. The online nomination form requires the basic information of the school and the teacher-in-charge, and the information sheet of each entry. The information sheet includes the title of the infographic and the personal information of teacher supervisor and participants. **It is recommended that teacher-in-charge should reserve enough time to complete and submit the online nomination form.**

- (h) Submitted infographics and short essays cannot be amended. Only the first submitted version will be adjudicated.
- (i) Late submissions will not be adjudicated.
- (j) Unless there is missing graph and/or consent form or anyone of them is wrongly submitted, the Mathematics Education Section, Curriculum Support Division, EDB will **NOT** issue contact to teachers-in-charge after the submission of these documents.
- (k) The winners of the competition for each category may be invited to give brief presentations in the Prize-giving Ceremony. The Prize-giving Ceremony will be photo-taken. All photos taken in the Prize-giving Ceremony will be used for promoting the competition or other education initiatives by the EDB.
- (l) The Education Bureau reserves the right to publish in full or part of the students' works and photos taken in the Prize-giving Ceremony. All infographics and short essays will not be returned.
- (m) The decision of the Organising Committee for the Creative Infographic Design Competition on Applications of Mathematics is final.

2. **Adjudication of the Competition**

The panel of judges comprises scholars in tertiary institutions, experienced primary and secondary teachers, and representatives from the Education Bureau. All entries will be

assessed according to the following criteria:

- (a) whether the infographic can effectively convey accurate and appropriate information related to the theme of the competition, and highlight the positive impact of the applications of mathematics in the area(s) related to the theme;
- (b) whether the infographic is creative and able to exhibit students' generic skills, such as communication skills and creativity;
- (c) whether the presentation of the infographic is systematic, concise and attractive; and
- (d) whether the mathematical content of the infographic is appropriate and relevant to the theme of the competition.



3. Prizes of the Competition


There are Gold, Silver, Bronze and Honourable Mention Awards for each of the Upper Primary Category, Junior Secondary Category and Senior Secondary Category respectively. There can be multiple winners for each award. The prizes of each award are as follows.

Awards for each Category	Prizes
Gold	Trophy, certificate of merit and HK\$500 book coupon
Silver	Certificate of merit and HK\$300 book coupon
Bronze	Certificate of merit and HK\$150 book coupon
Honourable Mention	Certificate of merit

4. Important dates of the Creative Infographic Design Competition on Applications of Mathematics for Primary and Secondary Schools

Date	Event
3/12/2024 (Tuesday)	Deadline for application of the briefing seminar.
12/12/2024 (Thursday)	Briefing Seminar (Course ID: CSD020250170) Time: 3:00 p.m. – 4:30 p.m. Venue: Online Mode
11/2/2025 (Tuesday)	Deadline for the submission of Application Forms for the Creative Infographic Design Competition on Applications of Mathematics for Primary and Secondary Schools.

Date	Event
	<p>The Application Form can be downloaded from the website of the Creative Infographic Design Competition on Applications of Mathematics for Primary and Secondary Schools:</p>  <p>https://www.edb.gov.hk/en/curriculum-development/kla/ma/res/sa/midc.html</p>
<p>4/3/2025 (Tuesday)</p>	<p>Deadline for the submission of online nomination form, infographics, short essays, and Declaration and Consent Forms.</p> <p>(1) The online nomination form should be submitted on or before 5:00 p.m. on 4 March 2025 through the following link:</p>  <p>https://forms.gle/hFRy9kf1ngSXEtp6</p> <p>(2) All infographics and short essays together with the Declaration and Consent Forms should be submitted by 5:00 p.m. on 4 March 2025 to the Mathematics Education Section, Curriculum Support Division of this Bureau through email: cdoma14@edb.gov.hk (Upper Primary Category) or cdoma3@edb.gov.hk (Junior and Senior Secondary Categories)</p> <p>If the entries were submitted by hand, the entries and the Form should be submitted by 5:00 p.m. on 4 March 2025 to:</p> <p>The Mathematics Education Section, Curriculum Support Division, Education Bureau, Room 403, 4/F, Kowloon Government Offices, 405 Nathan Road, Kowloon</p> <p>The cover should indicate “Creative Infographic Design Competition on Applications of Mathematics for Primary and Secondary Schools (2024/25)” and the</p>

Date	Event
	participating category. Late submissions will not be adjudicated.
30/5/2025 (Friday)	Announcement of the results of the competition on the website of the Creative Infographic Design Competition on Applications of Mathematics for Primary and Secondary Schools: https://www.edb.gov.hk/en/curriculum-development/cla/ma/res/sa/midc.html 
30/6/2025 (Monday)	Prize-giving Ceremony of the Creative Infographic Design Competition on Applications of Mathematics for Primary and Secondary Schools cum Exhibition of Winning Entries.

5. Enquiries

Enquiries regarding the Creative Infographic Design Competition on Applications of Mathematics for Primary and Secondary Schools may be directed to Ms LO Lok-gee (Primary school) (2153 7451) or Mr SUN Siu-wing (Secondary school) (2153 7470) of the Mathematics Education Section, Curriculum Support Division, EDB.