Annex 1

Creative Infographic Design Competition on Applications of Mathematics for Primary and Secondary Schools (2026/27)

Aims / Objectives

The Creative Infographic Design Competition on Applications of Mathematics for Primary and Secondary Schools is organised by the Mathematics Education Section, Innovation Technology Education Division, Education Bureau (EDB). The aims of the Competition are to promote students' interest in learning mathematics, enhance their understanding of the applications of mathematics in different aspects of real life, and develop their creativity and communication skills.

Details

2. The Competition encourages students to design infographics that creatively integrate graphs, diagrams and tables, text, mathematical expressions, etc. to showcase the real-life applications of mathematics in line with the annual theme. Consequently, students' appreciation of mathematics' pivotal role in STEAM and other interdisciplinary fields would be enhanced. The theme of this year is **"Portraying the Cosmos: Mathematics behind the Space Exploration"**. Infographic submissions must incorporate elements of space exploration, such as stargazing technology, aerospace technology, and the development of outer space exploration by our Nation and across the globe.

3. To provide schools with details of the Competition, the EDB will hold an online briefing seminar on **3 December 2026 (Thursday)**. For details of the seminar, please visit the EDB Training Calendar System (Course ID: ITED20270277).

4. Schools intending to nominate students to participate in the Competition can access the Competition website of EDB (https://www.edb.gov.hk/en/curriculum-development/kla/ma/res/sa/midc.html) to download the Application Form and "Declaration and Consent Form". The Application Form should be completed and returned to the Mathematics Education Section, Innovation Technology Education Division, EDB by mail or fax **on or before 16 February 2027 (Tuesday)**. The deadline for the submission of students' entries, together with the "Declaration and Consent Form", is **by 5:00 p.m. on 2 March 2027 (Tuesday)**. In case of class suspension for schools due to special circumstances, the application deadline and the deadline for submission of entries may be postponed. Teacher-in-charge is advised to check the latest updates on the Competition website.

Contact Person

5. For enquiries, please contact Mr LAM Pui-shun (Primary School) on 2153 7451, or Mr SUN Siu-wing (Secondary School) on 2153 7470, Mathematics Education Section, Innovation Technology Education Division, EDB.

Appendix 1a

Creative Infographic Design Competition on Applications of Mathematics for Primary and Secondary Schools (2026/27)

Details

The Creative Infographic Design Competition on Applications of Mathematics for Primary and Secondary Schools (2026/27) (thereafter "the Competition") is organised by the Mathematics Education Section, Innovation Technology Education Division, Education Bureau (EDB). 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 that creatively integrate graphs, diagrams, text and mathematical expressions to showcase the real-life applications of mathematics in line with the annual theme. Consequently, students' appreciation of mathematics' pivotal role in STEAM and other interdisciplinary fields 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 must indicate clearly in the application form which section 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 "Portraying the Cosmos: Mathematics behind the Space Exploration"**. Infographic submissions must incorporate elements of space exploration, such as the development of stargazing technology, aerospace technology, and national and global exploration of outer space.

(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	• Must introduce the applications of mathematics in a specific area and convey related information. • Must emphasis 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, the message expressed by the infographic and how that message is expressed through the infographic. The title of the infographic should be clearly displayed as the title of the short essay. The short essay should not exceed **150 words** for the Upper Primary Category and **300 words** for the Junior Secondary and Senior Secondary Categories. For Chinese essays, punctuation marks are included in the word count.

(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's name and the name of the teacher supervisor, etc. **Otherwise, marks may be deducted**.

(d) Participants may use Artificial-intelligence (AI) tools to assist in data-searching, design inspiration, chart creation, or illustration creation, but **the entire infographic and essay (including concept, content, analysis, and final version) must not be fully AI-generated or based on AI-generated data**.

(e) The details of sources of all reference information, including tables and diagrams, but not limited to the books, internet or works generated by AI tools, if quoted in the infographic or short essay, must be indicated clearly as an appendix to the short essay. 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. If AI-assisted elements were employed, participants should provide the following information:

(i) description of the AI-generated elements; and

(ii) names of the AI tools employed.

The entry might be **disqualified or not adjudicated** if the infographic and short essay fail to meet the requirements listed in (d) and (e) above.

(f) 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.

(g) Each participating school must submit all the entries (including the infographics and the short essays) and the Declaration and Consent Form of each participant together through email to midc@edb.gov.hk via the email address of the teacher-in-charge by **5:00 p.m. on 2 March 2027 (Tuesday)**. School name should be included as the title of the email. **Submission through cloud drives is not recommended. Failing to submit entries by the deadline will result in entries not being adjudicated**.

(i) The file name of the infographic and short essay must be formed by the participating category, the name of the school and student plus "_graph" and "_essay" respectively

(e.g. *UP_ABC School_LiSiuMing_graph.jpg* and *UP_ABC School_LiSiuMing_essay.doc*; *JS_EFG College_HoKaMan_graph.jpg* and *JS_EFG College_HoKaMan_essay.doc; SS_EFG College_WuTszYi_graph.jpg* and *SS_EFG College_WuTszYi_essay.doc*).

(ii) The signed Declaration and Consent Form must be scanned and saved in PDF format, with the participating category, name of school and student as the file name

(e.g. *UP_ABC School_LiSiuMing.pdf*, *JS_EFG College_HoKaMan* and *SS_EFG College_WuTszYi.pdf*).

(iii) The Declaration and Consent Form can be downloaded from the webpage 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

(h) 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, Innovation Technology Education Division, EDB by **5:00 p.m. on 2 March 2027 (Tuesday)**. The envelope should indicate "Creative Infographic Design Competition on Applications of Mathematics for Primary and Secondary Schools (2026/27)" and the participating category on the cover.

(i) **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/Vep3PNhCzFGNFr4x5) **on or before 5:00 p.m. on 2 March 2027 (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.**

(j) Submitted infographics and short essays cannot be amended. Only the first submitted version will be adjudicated.

(k) Late submissions will not be adjudicated.

(l) An acknowledgement email will be sent to the teacher-in-charge for successful submissions by email on or before 4 March 2027 (Thursday).

(m) The winners of the Competition for each category may be invited to give brief presentations in the Prize Presentation Ceremony. The Ceremony will be photo-taken. All photos taken in the Ceremony will be used for promoting the Competition or other education initiatives by the EDB.

(n) The EDB reserves the right to publish in full or part of the students' works and photos taken in the Prize Presentation Ceremony. All infographics and short essays will not be returned.

(o) The decision of the Organising Committee for the Creative Infographic Design Competition on Applications of Mathematics shall be final.

2. Adjudication of the Competition

The panel of judges comprises scholars in tertiary institutions, experienced primary and secondary teachers, and representatives from the EDB. 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 for each award are as follows.

Awards for each Category	Prizes
Gold	Trophy, certificate of merit and HK$500 book voucher
Silver	Trophy, certificate of merit and HK$300 book voucher
Bronze	Certificate of merit and HK$150 book voucher
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
25/11/2026 (Wednesday)	Deadline for application of the briefing seminar.
3/12/2026 (Thursday)	Briefing Seminar (Course ID: ITED20270277) Time: 3:00 p.m. – 4:30 p.m. Venue: Online Mode
16/2/2027 (Tuesday)	Deadline for the submission of Application Forms for the Creative Infographic Design Competition on Applications of Mathematics for Primary and Secondary Schools. The Application Form can be downloaded from the webpage 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 Please submit your Application Form by fax or mail **on or before 16 February 2027**. Fax number: 3426 9265

Date	Event
	Mailing address: The Mathematics Education Section, Education Bureau, Room 403, 4/F, Kowloon Government Offices, 405 Nathan Road, Kowloon
2/3/2027 (Tuesday)	Deadline for the submission of online nomination form, infographics, short essays, and Declaration and Consent Forms. (1) The online nomination form must be submitted on or before **5:00 p.m. on 2 March 2027 through the following link:** https://forms.gle/Vep3PNhCzFGNFr4x5 (2) All infographics and short essays together with the Declaration and Consent Forms must be submitted **by 5:00 p.m. on 2 March 2027** to the Mathematics Education Section, Innovation Technology Education Division, EDB through email: midc@edb.gov.hk. School name should be included in the title of the email. If the entries were submitted **by hand**, the entries and the Form must be submitted **by 5:00 p.m. on 2 March 2027** to: The Mathematics Education Section, Education Bureau, Room 403, 4/F, Kowloon Government Offices, 405 Nathan Road, Kowloon The cover should indicate "Creative Infographic Design Competition on Applications of Mathematics for Primary and Secondary Schools (2026/27)" and the participating category. **Late submissions will not be adjudicated.**
31/5/2027 (Monday)	Announcement of the results of the Competition on the webpage of the Creative Infographic Design Competition on

Date	Event
	Applications of Mathematics for Primary and Secondary Schools: https://www.edb.gov.hk/en/curriculum-development/kla/ma/res/sa/midc.html
29/6/2027 (Tuesday)	Prize Presentation 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 Mr LAM Pui-shun (Primary school) (2153 7451) or Mr SUN Siu-wing (Secondary school) (2153 7470) of the Mathematics Education Section, Innovation Technology Education Division, EDB.