From : Secretary for Education   To : Heads of Kindergartens, Primary and
                                               Secondary Schools

Ref. : EDB(CD)/ADM/50/1/2(34)

Tel. : 2892 6680

Date : 2 November 2021

Curriculum Development Institute
Application for Participation in Student Educational Activities and Events
(November 2021)

(Note: This circular memorandum should be read by heads of all kindergartens, primary and secondary schools)

Summary

        The purpose of this circular memorandum is to invite kindergartens, primary and secondary schools to participate in the coming educational activities and events organised, co-organised or announced by Curriculum Development Institute, Education Bureau (EDB). When arranging learning activities for students, schools should ensure that the activities are in line with the learning goals and curriculum objectives, the learning needs of students are catered for, and the safety of students and teachers are taken into account.   Please refer to the relevant circulars and guidelines issued by the EDB for the points to note in arranging activities.

Details

2.   The educational activities and events are-

a) For kindergartens:

	Key Learning Area/ Subject	*Title*	*For the attention /action of*	*Remarks*	*Annex*
i)	Moral, Civic and National Education	2021 Hong Kong Awards for Environmental Excellence (Schools Sector)	School Heads; Moral, Civic and National Education Co-ordinators and Teachers	Application deadline: 31 December 2021 (Friday)	1

b) For primary schools:

	Key Learning Area/ Subject	*Title*	*For the attention /action of*	*Remarks*	*Annex*
i)	Moral, Civic and National Education	2021 Hong Kong Awards for Environmental Excellence (Schools Sector)	School Heads; Moral, Civic and National Education Coordinators and Teachers	Application deadline: 31 December 2021 (Friday)	1
ii)	Moral, Civic and National Education	"We Value Courtesy": "Six Arts" 4-Panel Comic Drawing Competition	School Heads; Moral, Civic and National Education Co-ordinators and Teachers	Application deadline: 15 December 2021 (Wednesday)	2
iii)	Moral, Civic and National Education	「第二屆《國安教育通通識》挑戰賽」	School heads and teachers	Application period: Start from 18 October 2021	3
iv)	Mathematics Education	Creative Infographic Design Competition on Applications of Mathematics for Primary and Secondary Schools (2021/22)	Mathematics panel chairpersons and teachers	Submission Deadline: 23 March 2022 (Wednesday)	7
v)	English Language Education, Moral, Civic and National Education, and Arts Education	Campaign on "Promoting Positive Values and Attitudes through English Sayings of Wisdom 2021/22" – (i) Week of Hope	School heads, panel chairpersons, co-ordinators and teachers of English Language, Moral, Civic and National Education and Visual Arts	Not applicable to ESF schools and International schools (i) Deadline for completing the reply form: 6:00 pm, 30 November 2021 (Tuesday)	8

	Key Learning Area/ Subject	Title	For the attention /action of	Remarks	Annex
		(ii) SOW Creativity Contest: A Moment in Time		(ii) Deadline for submission of entries: 6:00 pm, 28 February 2022 (Monday)	
vi)	Physical Education	"Active Students, Active People" Campaign Sharing Sessions by Elite Athletes (II): Windsurf with Chan Hei-man	School Heads, Physical Education Panel Chairpersons and Teachers	Application deadline: 12 November 2021 (Friday)	9
vii)	Gifted Education	Hong Kong Budding Poets (English) Award 2021/22	Panel chairpersons and teachers of English Language	Application Deadline: 20 December 2021 (Monday)	14
viii)	Gifted Education	The 24th Hong Kong Youth Science and Technology Innovation Competition	Teachers in charge of coordinating or implementing STEM education	Please refer to the website of Hong Kong New Generation Cultural Association Science Innovation Centre	15
ix)	General Studies	Chinese Historical Figures Election 2021 Activity Series (Chinese version only)	School Heads, Panel Heads and Teachers of General Studies	Application deadline: 12 November 2021 (Friday)	16
x)	General Studies	Hong Kong Space Museum Educational Activities	Panel heads and teachers of General Studies	-	19

c) **For secondary schools:**

	Key Learning Area/ Subject	*Title*	*For the attention /action of*	*Remarks*	*Annex*
i)	Moral, Civic and National Education	2021 Hong Kong Awards for Environmental Excellence (Schools Sector)	School Heads; Moral, Civic and National Education Co-ordinators and Teachers	Application deadline: 31 December 2021 (Friday)	1
ii)	Moral, Civic and National Education	「第二屆《國安教育通通識》挑戰賽」	School heads and teachers	Application period: Start from 18 October 2021	3
iii)	Mathematics Education	2021/22 Statistical Project Competition for Secondary School Students	Mathematics panel chairpersons and teachers	Submission Deadline: 25 February 2022 (Friday)	4
iv)	Mathematics Education	The Thirty-ninth Hong Kong Mathematics Olympiad (2021/22)	Mathematics Panel chairpersons and teachers	Application Deadline: 14 January 2022 (Friday)	5
v)	Mathematics Education	Mathematics Project Competition and Mathematics Book Report Competition for Secondary Schools (2021/22)	Mathematics panel chairpersons and teachers	Submission Deadline: Mathematics Project Competition: 16 March 2022 (Wednesday) Mathematics Book Report Competition: 23 March 2022 (Wednesday)	6
vi)	Mathematics Education	Creative Infographic Design Competition on Applications of Mathematics for Primary and Secondary Schools (2021/22)	Mathematics panel chairpersons and teachers	Submission Deadline: 23 March 2022 (Wednesday)	7

	Key Learning Area/ Subject	Title	For the attention /action of	Remarks	Annex
vii)	English Language Education, Moral, Civic and National Education, and Arts Education	Campaign on "Promoting Positive Values and Attitudes through English Sayings of Wisdom 2021/22" – (i) Week of Hope (ii) SOW Creativity Contest: A Moment in Time	School heads, panel chairpersons, co-ordinators and teachers of English Language, Moral, Civic and National Education, and Visual Arts	Not applicable to ESF schools and International schools (i) Deadline for completing the reply form: 6:00 pm, 30 November 2021 (Tuesday) (ii) Deadline for submission of entries: 6:00 pm, 28 February 2022 (Monday)	8
viii)	Physical Education	"Active Students, Active People" Campaign Sharing Sessions by Elite Athletes (II): Windsurf with Chan Hei-man	School Heads, Physical Education Panel Chairpersons and Teachers	Application deadline: 12 November 2021 (Friday)	9
ix)	Technology Education / Business Education	The Accounting and Business Management Case Competition 2021/22	School heads, Technology Education Key Learning Area co-ordinators, and teachers of Business Subjects	Application deadline for online briefing session and business seminar: 8 November 2021 (Monday) Application deadline for competition: 29 November 2021 (Monday)	10
x)	Science, Technology and Mathematics Education	2nd CAFEA Young Talent Smart City Forum	School heads, co-ordinators and teachers of Science, Technology and Mathematics Education Key Learning Areas	Application deadline: 15 March 2022 (Tuesday)	11

	Key Learning Area/ Subject	*Title*	*For the attention /action of*	*Remarks*	*Annex*
xi)	Technology Education / Health Management and Social Care	The Research Grants Council of the University Grants Committee Public Lectures related to Health Management and Social Care	School heads, Technology Education Key Learning Area co-ordinators, Health Management and Social Care panel chairpersons and teachers	Lecture date:\n\n4 December 2021 (Saturday)	12
xii)	Science Education / Technology Education / Mathematics Education Key Learning Areas / Citizenship and Social Development/ Life-wide Learning	The 4th "Social Innovation · Community 4.0" Competition	School Heads, Panel Chairpersons and Teachers of Science Education / Technology Education / Mathematics Education Key Learning Areas/ Citizenship and Social Development/ Life-wide Learning Co-ordinators and Teachers	Application deadline: 26 November 2021 (Friday)	13
xiii)	Gifted Education	Hong Kong Budding Poets (English) Award 2021/22	Panel chairpersons and teachers of English Language	Application Deadline: 20 December 2021 (Monday)	14
xiv)	Gifted Education	The 24th Hong Kong Youth Science and Technology Innovation Competition	Teachers in charge of coordinating or implementing STEM education	Please refer to the website of Hong Kong New Generation Cultural Association Science Innovation Centre	15
xv)	Personal, Social and Humanities Education Key Learning Area / Chinese History	Chinese Historical Figures Election 2021 Activity Series (Chinese version only)	School Heads, Personal, Social and Humanities Education Key Learning Area Co-ordinators, Panel Heads and Teachers of Chinese History	Application deadline: 12 November 2021 (Friday)	16

	Key Learning Area/ Subject	Title	For the attention /action of	Remarks	Annex
xvi)	Science Education	Pilot Arrangement on "Junior Secondary Science Online Self-learning Scheme"	School heads, coordinators and teachers of Science Education Key Learning Areas	Application Deadline: 29 December 2021 (Wednesday)	17
xvii)	Science Education / Chemistry	The "Chemists Online" Self-study Award Scheme 2022	School heads, Science Education Key Learning Area Coordinators and Chemistry teachers	Application Deadline: 15 December 2021 (Wednesday)	18
xviii)	Science Education	Hong Kong Space Museum Educational Activities	Coordinators and teachers of Science Education Key Learning Area	-	19
xix)	Science Education	"The Shaw Prize 2021" Exhibitions (2021/22)	School heads, Science Education Key Learning Area Coordinators and teachers	Exhibition Period: 29 Oct 2021 – 5 Jan 2022	20

3. Details and Application Forms of the above activities and events are stipulated in the respective Annexes.

Enquiry

4. In view of the latest development of the Coronavirus Disease 2019 (COVID-19) infection, details of the activities are subject to changes. For enquiries, please contact the respective **contact person** as listed in the respective Annexes.

Ms Edith Y C TSE
for Secretary for Education

c.c. Heads of Sections – for information

Mathematics Project Competition and
Mathematics Book Report Competition
for Secondary Schools (2021/22)

Aims / Objectives

This is to set out the details of the captioned competitions and invite secondary schools to nominate students to participate in the competitions.

Details

2.   The Mathematics Project Competition and Mathematics Book Report Competition for Secondary Schools are organised by the Curriculum Development Institute, EDB. The aims of the competitions are to enhance students' interest in learning Mathematics and develop their generic skills.

3.   To provide Mathematics teachers and students with details of the competitions, the EDB will hold an online seminar on **7 December 2021 (Tuesday)**. Teachers and their students are welcomed to attend the seminar. For application details, please visit the EDB Training Calendar System (Course ID: CDI020220464).

4.   Schools may nominate their students to participate in the captioned competitions by completing the Application Form **(Appendix 6a)** and returning it to the Mathematics Education Section, Curriculum Development Institute, EDB by mail or fax **on or before 18 February 2022 (Friday)**. The deadline for the submission of Mathematics projects is **5:00 p.m. on 16 March 2022 (Wednesday)** and that of Mathematics book reports is **5:00 p.m. on 23 March 2022 (Wednesday)**.

5.   Regulations for the captioned competitions are attached **(Appendix 6b)**.

6.   In case of class suspension of schools due to special circumstances, the application deadline and the deadlines for submission of entries of the captioned competitions may be postponed. Other arrangements of the competitions may also be changed. Latest information will be updated on the following EDB website:
http://www.edb.gov.hk/en/curriculum-development/kla/ma/res/sa/mpc-mbrc.html
Teacher-in-charge will also be informed by email through the email address provided in the application form.

Contact Person

7.   For enquiries about the Mathematics Project Competition for Secondary Schools, please contact Mr LEE Kin-sum of the Mathematics Education Section, Curriculum Development Institute, EDB on 2153 7456.

8.   For enquiries about the Mathematics Book Report Competition for Secondary Schools, please contact Mr CHANG Kwok-kei of the Mathematics Education Section, Curriculum Development Institute, EDB on 2153 7455.

Mathematics Education Section
Curriculum Development Institute, Education Bureau
Room 403, 4/F, Kowloon Government Offices
405 Nathan Road, Kowloon
Attn.: Ms YEUNG Chui-ting
(Fax No.: 3426 9265)

Mathematics Project Competition and Mathematics Book Report Competition for Secondary Schools (2021/22)
Application Form (Application Deadline: 18 February 2022)

Name of School: _____

Mathematics Project Competition for Secondary Schools
(Category A "Junior secondary project" and Category B "S1 mini-project")

I nominate _____ (†) team(s) (#) to participate in the Mathematics Project Competition for Secondary

Schools. In which, _____ (†) team(s) (#) will participate in the Category A (Junior secondary project) and

_____ (†) team(s) (#) will participate in the Category B (S1 mini-project). The teacher-in-charge is:

Name of Teacher: (中文) _____先生/女士* (English) Mr /Ms*_____

Contact no.：_____ Email：_____

Mathematics Book Report Competition for Secondary Schools
(Junior Secondary Category and Senior Secondary Category)

I nominate _____ (†) student(s) (##) to participate in the Mathematics Book Report Competition

for Secondary Schools. In which, _____ (†) junior secondary student(s) (##) will participate in

the Junior Secondary Category and _____ (†) senior secondary student(s) (##) will participate in

the Senior Secondary Category. The teacher-in-charge is:

Name of Teacher: (中文) _____先生/女士* (English) Mr /Ms*_____

Contact no.：_____ Email：_____

Our school authorises the Education Bureau to announce the related information of the team(s) or student(s) (Restricted to name of student(s), class level(s) and name of school) for the results of the captioned competition(s).

Signature of Principal : _____

Name of Principal : _____

Date : _____

†   *Please enter a number.*
#   *For Category A, each team comprises __two to six students__ of Secondary 1 to 3. For Category B, each team comprises __two to six students__ of Secondary 1. There is no restriction on the number of teams from each school for each category.*
Each school could nominate __at most four students__ from Secondary Three or below to participate in the Junior Secondary Category, and at most __four students__ from Secondary Four or above to participate in the Senior Secondary Category. Moreover, each school could at most nominate a total of __six students__ to participate in the two categories of this Competition.
*   *Please delete whichever is inappropriate.*

Mathematics Project Competition and Mathematics Book Report Competition for Secondary Schools (2021/22)

Details

The captioned competitions are organised by the Curriculum Development Institute, EDB. They aim at promoting students' interest in learning Mathematics and developing students' generic skills through project learning and reading. Details of the competitions are given below:

Mathematics Project Competition for Secondary Schools

The objective of this competition is to enrich students' learning and arouse their interests in mathematics. The competition provides alternative learning experiences and is a powerful tool to develop students' independent learning capabilities and promote self-directed learning. There are two categories in which students can participate, namely Category A (Junior secondary project) and Category B (S1 mini-project).

1. **Rules for the Mathematics Project Competition for Secondary Schools**

   (a) All local secondary school students of secondary 1 to 3 are eligible to participate in the Competition. All students of secondary 1 to 3 are eligible to participate in Category A (Junior secondary project). Each team in this category should comprise **two to six students of secondary 1 to 3**. Category B (S1 mini-project) is open to students of secondary 1 only. Each team in this category should comprise **two to six students of secondary 1**. There is no restriction on the number of teams from each school for each category. However, each student can participate in only one team and only one project in either one category but not both.

   (b) For Category A and Category B, the theme can be any topics in Mathematics. The project may be a study on a mathematical topic or a study on using mathematics in real-life problems. A "Mathematical Modelling Award" is set up for the projects which make good uses of mathematical modelling, to encourage students to employ concepts of mathematical modelling in their projects to tackle problems.

   (c) A written report and the product(s), if any, must be submitted by each participating team.

   (d) The content of the written report should be relevant and concise. There is no restriction on the number of pages for reports of Category A. For the mini-project of Category B, the report **should not exceed 10 pages**, excluding the cover of the report.

   (e) The content of the written report **should not contain any information of the participants**, including the school name, the name of the teacher supervisor and the

names of team members, etc. **Otherwise, marks may be deducted**.

(f) The written report must be written in either Chinese or English. Participants must not plagiarise the work of others. If the content of any books or other references are cited in the report, the details of the sources, such as the names of the books or the URLs of websites, must be indicated clearly. All reports may be checked with plagiarism detection software. **Marks will be deducted if the report fails to comply with the requirements.**

(g) The written report must be typed and submitted in MS Word format (as .doc/ .docx file) or in pdf format (as .pdf file), using "Times New Roman" or "Calibri" font for English text or "PMingLiu" (新細明體), "MingLiu" (細明體) or "KaiU" (標楷體) for Chinese text, with font size at least 12, and in A4 format, using the school name and the title of the project as the file name (e.g. *ABC_School_Magic_Square.docx*). **The handwritten report or its scanned copy is not accepted.** Marks may be deducted for the submitted files failing to comply with the specific requirements. Each participating school must submit the written project(s) through email from the teacher-in-charge's email address to cdoma4@edb.gov.hk on or before **5:00 p.m. on 16 March 2022 (Wednesday)**.

(h) Participants should note that file formats such as GeoGebra files, Excel files and other programmes, etc may be blocked by the firewall of EDB and hence cannot be submitted through email. These files may either be submitted as follows: (1) for files stored in a Cloud Drive, for example Google drive, the link for accessing the files should be submitted with the project through email to cdoma4@edb.gov.hk on or before the deadline; and (2) for files stored or in an USB flash drive or a DVD, the USB flash drive or DVD should be submitted together with the deliverable product, etc (if any), to the Mathematics Education Section, Curriculum Development Institute, EDB **by hand** on or before **5:00 p.m. on 16 March 2022 (Wednesday)**.

(i) **Online nomination form**
In addition to the project(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/NWEosqrFQX9hATyWA) **on or before 5:00 p.m. on 16 March 2022 (Wednesday)**. The online nomination form includes the basic information of the school and the teacher-in-charge, a declaration and the information sheet of individual report of each category. The information sheet includes the title of project, a project summary in no more than 200 words, the personal information of teacher supervisor and participants, and the language used for the presentation/responding questions in the interview, if applicable. **It is recommended that teacher-in-charge should reserve enough time to complete and submit the online nomination form.**

(j) After the project is received through email or by hand, and the online nomination form is submitted successfully, the Education Bureau will issue an email of acknowledgement to the teacher-in-charge by 21 March 2022 (Monday).

(k) The project will not be adjudicated if it has been awarded for any prizes in any open competitions.

(l) The champion, first runner-up, second runner-up, the team of best presentation of Category A of the Mathematics Project Competition for Secondary Schools shall give brief presentations in the Prize-giving Ceremony. The team(s) receiving the Mathematical Modelling Award may be invited to present in the Prize-giving Ceremony. The Prize-giving Ceremony will be videotaped and photo-taken.

(m) All the videos recorded and photos taken in the interview and Prize-giving Ceremony will be used for promoting Mathematics Project Competition for Secondary Schools.

(n) The Education Bureau reserves the right to publish in full or part of the projects, including the written reports, videos recorded and photos taken in the interview and Prize-giving Ceremony.

(o) Participants will be responsible for the production costs of their projects.

(p) Submitted reports cannot be amended. Only the first submitted version will be adjudicated.

(q) Late submissions will not be adjudicated.

(r) The decision of the Organising Committee for the Mathematics Project Competition for Secondary Schools is final.

2. **Adjudication of the Mathematics Project Competition for Secondary Schools**
The panel of judges comprises scholars in tertiary education, teachers experienced in supervising mathematics projects and representatives from the Education Bureau. All projects will be assessed according to the following criteria:

(a) whether the mathematical principles described/adopted are appropriate and whether the methods (if applicable) used are reliable;

(b) whether the project is innovative, creative and able to exhibit/apply collaboration skills, communication skills, problem-solving skills, critical thinking skills and creativity; and

(c) whether the presentation is logical, systematic, concise and analytical.

For Category A, the preliminary adjudication based on the written report and the product(s) of the project, if any, will be conducted. Selected teams (hereinafter referred to as the "finalists") will be invited to attend an interview conducted by a panel of judges and the adjudication panel would select the teams for the awards of Champion, First runner-up,

Second runner-up, Best presentation, and Outstanding performance. Teacher-in-charge has to represent participants to select only one language, either Cantonese, Putonghua or English, to present their project verbally and respond to adjudicators' questions in the interview when completing the information sheet of the online nomination form. The interview will be videotaped and photo-taken.

For Category B, the preliminary adjudication based on the written report will be conducted. Appropriate teams will be invited to attend an online interview conducted by a panel of judges and the adjudication panel would select the team(s) of Outstanding performance. Teacher-in-charge has to represent participants to select only one language, either Cantonese, Putonghua or English, to respond to adjudicators' questions in the online interview when completing the information sheet of the online nomination form. The online interview will be recorded.

3. **Prizes of the Mathematics Project Competition for Secondary Schools**

Awards for Category A consist of Champion, First runner-up, Second runner-up, Best presentation, Outstanding Performance, Good Performance and Mathematical Modelling Award. Certificates of merit will be presented to the teacher supervisors of all the awardees. A champion trophy will also be presented to the school of the champion team for retention of one year. The prizes of each award are as follows:

Awards for Category A	Prizes
Champion	Gold medal, trophy, certificate of merit and HK$1,200 book coupon
First runner-up	Silver medal, trophy, certificate of merit and HK $900 book coupon
Second runner-up	Bronze medal, trophy, certificate of merit and HK $600 book coupon
Best presentation	Trophy, certificate of merit and HK $300 book coupon
Outstanding Performance (Number of teams depending on the quality of the entries)	Trophy, certificate of merit and HK $300 book coupon
Good Performance (Number of teams depending on the quality of the entries)	Certificate of merit
Mathematical Modelling Award (Number of teams depending on the quality of the entries)	Certificate of merit and HK$300 book coupon

Awards for Category B consist of Outstanding Performance, Good Performance and Mathematical Modelling Award. Certificates of merit will be presented to the teacher supervisors of all the awardees. The prizes of each award are as follows:

Awards for Category B	Prizes
Outstanding Performance (Number of teams depending on the quality of the entries)	Certificate of merit and HK $300 book coupon
Good Performance (Number of teams depending on the quality of the entries)	Certificate of merit
Mathematical Modelling Award (Number of teams depending on the quality of the entries)	Certificate of merit and HK$300 book coupon

4. **Important dates of the Mathematics Project Competition for Secondary Schools**

Date	Event
26/11/2021 (Friday)	Deadline for application for the briefing seminar.
7/12/2021 (Tuesday)	Briefing Seminar (Course ID: CDI020220464) Time: 3:00 p.m. – 5:00 p.m. Mode: Online
18/2/2022 (Friday)	Deadline for the submission of application forms for Mathematics Project Competition for Secondary Schools.
16/3/2022 (Wednesday)	(1) Deadline for the submission of online nomination form: **5:00 p.m. on 16 March 2022** (Website: https://forms.gle/NWEosqrFQX9hATyWA) (2) Deadline for the submission of project through email: All written reports and product(s) of the projects (if any) should be submitted **by 5:00 p.m. on 16 March 2022** to: Mr LEE Kin-sum of this Bureau through email (cdoma4@edb.gov.hk) (3) Deadline for the submission of project by hand: All USB flash memories or DVDs, and deliverable products of the projects, etc (if any) should be submitted by **5:00 p.m. on 16 March 2022** to: Mr LEE Kin-sum **by hand** to the address

Date	Event
	Mathematics Education Section, Curriculum Development Institute, EDB Room 403, 4/F, Kowloon Government Offices 405 Nathan Road, Kowloon. **Late submissions will not be adjudicated.**
30/4/2022　　(Saturday)	Announcement of the list of finalists of Category A and the list of selected team(s) for interview of Category B (if applicable). Letters will be sent to the participating teams through their schools to invite them to attend an interview.
4/5/2022　　(Wednesday) (tentative)	Interview of selected team(s) of Category B (if applicable)
6/5/2022　　(Friday) (tentative)	Interview for the finalists of Category A.
21/5/2022　　(Saturday)	Announcement of results of Category A and Category B on the website of the Mathematics Project Competition and Mathematics Book Report Competition for Secondary Schools: http://www.edb.gov.hk/en/curriculum-development/kla/ma/res/sa/mpc-mbrc.html
Early July 2022 (tentative)	Prize-giving Ceremony of Mathematics Project Competition and Mathematics Book Report Competition for Secondary Schools cum Exhibition of Winning Entries. The Champion, first runner-up, second runner-up and the team of best presentation of Category A of the Mathematics Project Competition for Secondary Schools shall give brief presentations in the Prize-giving Ceremony. Excellent projects will be displayed at the venue of the Ceremony.

5. **Enquiries**

Enquiries regarding the Mathematics Project Competition for Secondary Schools may be directed to Mr LEE Kin-sum on 2153 7456 of the Mathematics Education Section, Curriculum Development Institute, EDB.

Mathematics Book Report Competition for Secondary Schools

The objectives of this competition are to enhance students' motivation and interest in reading Mathematics books, and strengthen their learning ability to foster lifelong learning and whole person development.

1.   **Rules for the Mathematics Book Report Competition for Secondary Schools**

  (a)   All local secondary school students are eligible to participate in the Competition. Students of secondary 1 to 3 are eligible to participate in the Junior Secondary Category and students of secondary 4 to 6 are eligible to participate in the Senior Secondary Category. Each book report must be written by one student. Each student can submit only one book report. **Each school may nominate at most <u>four students</u> from Secondary Three or below to participate in the Junior Secondary Category, and at most <u>four students</u> from Secondary Four or above to participate in the Senior Secondary Category. Moreover, each school may at most nominate six <u>students in total</u> to participate in the Mathematics Book Report Competition for Secondary Schools.**

  (b)   Each participant must select one book from the suggested book list to complete the book report, and the content of the book report must be regarding the book selected. The report must cover a substantial part of the content of the book. Participants may make reference to other books or websites to enrich the content of their book reports.

Suggested Book List for the Junior Secondary Category:

Title	Author	Publisher	Year of Publication
從月曆學數學 （阿草的曆史故事）	曹亮吉	天下文化	2013 (2002)
數字人：斐波那契的兔子	齊斯・德福林 (Keith Devlin)； 洪萬生　譯	五南	2013
The Man of Numbers: Fibonacci's Arithmetic Revolution	Keith Devlin	Walker & Company	2011
生活數學故事	黃敏晃	天下	2013
這個問題，你用數學方式想過嗎？	齊斯・德福林 (Keith Devlin)； 洪萬生、黃俊瑋、蘇惠玉等譯	臉譜	2013

Title	Author	Publisher	Year of Publication
澡堂裡遇見阿基米德 ： 生活中的有趣數學	李光延； 譚妮如　譯	大都會	2012
數學，為什麼是現在這樣子？：一門不教公式，只講故事的數學課	安‧魯尼 (Anne Rooney)； 陳敏晧　譯	臉譜	2013
The Story of Mathematics: from Creating Pyramids to Exploring Infinity	Anne Rooney	Arcturus Publishing	2013 2011
超展開數學教室：數學宅 X 5 個問題學生，揪出日常生活裡的數學 BUG	賴以威	臉譜出版社	2015
這才是數學:從不知道到想知道的探索之旅	保羅‧拉克哈特 (Paul Lockhart)； 畢馨云　譯	經濟新潮社	2015
Measurement	Paul Lockhart	Harvard University Press	2012
數字的秘密：數字、數目、度量衡與符號的由來	海因里希‧賀蒙 (Heinrich Hemme)； 劉于怡　譯	稻田出版有限公司	2015
數學女孩秘密筆記：公式‧圖形篇	結城浩 (Hiroshi Yuki)； 簡毓棻　譯	世茂	2015
Math Girls Talk about Equations & Graphs (Volume 1)	Hiroshi Yuki; Tony Gonzalez (Translator)	Bento Books, Incorporated	2014
數學女孩秘密筆記:整數篇	結城浩 (Hiroshi Yuki)； 陳朕疆　譯	世茂	2015
Math Girls Talk about Integers (Volume 2)	Hiroshi Yuki; Tony Gonzalez (Translator)	Bento Books, Incorporated	2014
數學女孩秘密筆記:圓圓的三角函數篇	結城浩 (Hiroshi Yuki)； 陳朕疆　譯	世茂出版社	2015
Math Girls Talk About Trigonometry (Volume 3)	Hiroshi Yuki; Tony Gonzalez (Translator)	Bento Books, Incorporated	2014
數學女孩秘密筆記:統計篇	結城浩 (Hiroshi Yuki)； 衛宮紘　譯	世茂出版社	2017

Title	Author	Publisher	Year of Publication
數學家的眼光	張景中	商務印書館	2018
用數學的語言看世界：一位博士爸爸送給女兒的數學之書，發現數學真正的趣味、價值與美	大栗博司； 許淑真　譯	臉譜	2017
數學也可以這樣學 2：跟大自然學幾何	約翰・布雷克伍德 (John Blackwood)； 林倉億、蘇惠玉、蘇俊鴻譯	商周出版	2018
誰說不能從武俠學數學？	李開周	時報出版	2020
數學史鑒	李正平	崧燁文化	2020
數學的智慧之光	吳讓泉	新潮社文化事業有限公司	2012
古算詩題探源	徐品方、徐偉	科學出版社	2015

Suggested Book List for the Senior Secondary Category:

Title	Author	Publisher	Year of Publication
給青年數學家的信	史都華 (Ian Stewart)； 李隆生　譯	聯經出版社	2008
Letters to a Young Mathematician	Ian Stewart	Basic Books	2006
Mathematics for the Imagination	Peter Higgins	Oxford University Press	2002
案發現場：FBI 警探和數學家的天作之合	齊斯・德福林 (Keith Devlin)、 蓋瑞・洛頓 (Gary Lorden)； 蘇俊鴻、蘇惠玉、英家銘、陳玉芬、劉雅茵、洪贊天譯	八旗文化	2016
The Numbers Behind NUMB3RS: Solving Crime with Mathematics	Keith Devlin and Gary Lorden	Plume	2007

Title	Author	Publisher	Year of Publication
數字人：斐波那契的兔子	齊斯・德福林 (Keith Devlin)； 洪萬生　譯	五南	2013
The Man of Numbers: Fibonacci's Arithmetic Revolution	Keith Devlin	Walker & Company	2011
這個問題，你用數學方式想過嗎？	齊斯・德福林 (Keith Devlin)； 洪萬生、黃俊瑋、蘇惠玉等譯	臉譜	2013
數學，為什麼是現在這樣子？：一門不教公式，只講故事的數學課	安・魯尼 (Anne Rooney)； 陳敏晧　譯	臉譜	2013
The Story of Mathematics: from Creating Pyramids to Exploring Infinity	Anne Rooney	Arcturus Publishing	2013 2011
超展開數學教室：數學宅 X 5 個問題學生，揪出日常生活裡的數學 BUG	賴以威	臉譜出版社	2015
這才是數學：從不知道到想知道的探索之旅	保羅・拉克哈特 (Paul Lockhart)； 畢馨云　譯	經濟新潮社	2015
Measurement	Paul Lockhart	Harvard University Press	2012
數字的秘密：數字、數目、度量衡與符號的由來	海因里希・賀蒙 (Heinrich Hemme)； 劉于怡　譯	稻田出版有限公司	2015
畢氏定理四千年	毛爾 (Eli Maor)； 林炎全、洪萬生、黃俊華譯	三民叢書	2015
The Pythagorean Theorem: A 4000-year History	Eli Maor	Princeton University Press	2007
數學女孩秘密筆記：圓圓的三角函數篇	結城浩 (Hiroshi Yuki)； 陳朕疆　譯	世茂出版社	2015

Title	Author	Publisher	Year of Publication
Math Girls Talk About Trigonometry (Volume 3)	Hiroshi Yuki; Tony Gonzalez (Translator)	Bento Books, Incorporated	2014
微積分的歷史步道	蔡聰明	三民書局	2009 2013
是湊巧還是機率	約瑟夫·馬祖爾 (Joseph Mazur); 王秋月 譯	臉譜出版社	2017
Fluke: The Maths and Myths of Coincidences	Joseph Mazur	Oneworld Publications	2017
數學女孩秘密筆記:統計篇	結城浩 (Hiroshi Yuki); 衛宮紘 譯	世茂出版社	2017
數學家的眼光	張景中	商務印書館	2018
數學拾穗	蔡聰明	三民 書局	2019
用數學的語言看世界:一位博士爸爸送給女兒的數學之書，發現數學真正的趣味、價值與美	大栗博司; 許淑真 譯	臉譜	2017
數學、詩與美	Ron Aharoni; 蔡聰明 譯	三民 書局	2019
Mathematics, Poetry and Beauty	Ron Aharoni	World Scientific	2015
文明與數學:從古代文明看人類數學的起源與發展	韓國教育廣播電視臺（EBS）《文明與數學》製作團隊; 邱麟翔 譯	暖暖書屋	2020
攸關貧富與生死的數學	葉茲 (Kit Yates); 林俊宏 譯	天下文化	2020
The Maths of Life and Death: Why Maths Is (Almost) Everything	Kit Yates	Quercus	2019
誰說不能從武俠學數學？	李開周	時報出版	2020
數學和數學家的故事:第4冊	李學數	上海科學技術出版社	2015

Title	Author	Publisher	Year of Publication
與中學生談中國數學史上的幾大成就	華羅庚	九章出版社	1995
數學的智慧之光	吳讓泉	新潮社文化事業有限公司	2012
古算詩題探源	徐品方、徐偉	科學出版社	2015
我的幾何人生 – 丘成桐自傳	丘成桐；史蒂夫·納迪斯	譯林出版社	2021
The Shape of a Life: One Mathematician's Search for the Universe's Hidden Geometry	Shing-Tung Yau; Steve Nadis	Yale University Press	2019

The suggested book list will be revised every year.

(c) The content of the book report：

- must be concisely written.

- **at most 3,000** and **4,000 words** for the Junior Secondary Category and the Senior Secondary Category respectively (excluding the covering page, the table of contents, footnotes and bibliography).

- **The book report of a Chinese book must be written in Chinese and the book report of an English book must be written in English.** The total number of words for each book report must be stated in the first page.

- **Marks will be deducted or the report will be disqualified if the report fails to comply with the requirements.**

(d) The book report must be

- typed and submitted in MS Word format (as .doc/.docx file),

- using "Times New Roman" or "Calibri" font for English text or "PMingLiu" (新細明體) or "KaiU" (標楷體) for Chinese text, size 12, and double-spacing.

- **The handwritten report or its scanned copy is not accepted. Any handwritten texts or handwritten calculations in the report will not be adjudicated.**

(e) The first page of the book report must include
- title of the book,
- school name,
- class and full name of the student in both Chinese and English, and
- the total number of words.

The student is strictly forbidden to disclose his/her name and school name in the book report other than its first page, otherwise marks will be deducted.

(f)   The book report must be submitted in MS Word format and of size less than 8 MB, with the name of the school and student as the file name (e.g. *ABC_Sec_Sch_Chan_Tai_Tak.doc*). **Each participating school must submit the book report(s) through email from the teacher-in-charge's email address to cdoma6@edb.gov.hk on or before 5:00 p.m. on 23 March 2022 (Wednesday)**.

(g)   **Online nomination form**
In addition to the book report(s) to be submitted through email, the teacher-in-charge is required to complete and submit an online nomination form (Website: https://forms.gle/eeTzT1Lm55ztD4SL7) by **5:00 p.m., 23 March 2022 (Wednesday).**. **Teacher-in-charge is recommended to reserve sufficient time to complete and submit the online nomination form.**

(h)   Participants must not submit any book report (in any form or its translation) that has been sent to this competition before or other open competitions. Participants must not plagiarise the work of others. If the content of the book or other references, including tables and diagrams, are quoted in the report, the details of the sources, such as the names of the books or the URLs of websites, must be indicated clearly. All reports will be checked by plagiarism detection software. **Marks will be deducted or the report will be disqualified if the report fails to comply with the requirements.**

(i)   The submitted book report cannot be amended. Only the first submitted version will be adjudicated.

(j)   All book reports submitted later than the deadline will not be adjudicated.

(k)   All book reports will not be returned.

(l)   The copyrights of all submitted book reports belong to the Education Bureau. The Education Bureau has the right to publish in full or part of the book reports.

(m)   The decision of the Organising Committee for Mathematics Book Report Competition for Secondary Schools is final.

2.   Prizes of the Mathematics Book Report Competition for Secondary Schools

*   The awards to outstanding reports will be classified into First Class Prize, Second Class Prize, Appreciation Award and Chinese Cultural Award, which is newly created this school year.
*   The purpose of Chinese Cultural Award is to nurture students into good citizens who have a strong sense of national identity by encouraging them to understand the cultural and historical development of Chinese mathematics, and the contributions of mathematicians with Chinese roots through reading.

- The Chinese Cultural Award will be awarded additionally to the students obtaining First Class Prizes, Second Class Prizes or Appreciation Awards, who also show good description of and reflection on the cultural and historical development of Chinese mathematics or the contributions of mathematicians with Chinese roots in their book reports.
- The prizes for each award are as follows:

Awards	Prizes
First Class Prize	Trophy, HK$300 book coupon and certificate of merit
Second Class Prize	HK$50 book coupon and certificate of merit
Appreciation Award	Certificate of appreciation
Chinese Cultural Award	HK$50 book coupon and certificate of appreciation

3. **Adjudication of the Mathematics Book Report Competition for Secondary Schools**

The panel of judges comprises experienced Mathematics teachers, academics from tertiary education, and representatives from the Mathematics Education Section, Curriculum Development Institute, EDB. All book reports will be assessed according to the following items:

Content	Junior Secondary Category	Senior Secondary Category
(a) description of the part of the book the student likes most (conciseness and precision) and the reasons why it appeals to the student	25%	20%
(b) student's understanding of the content of the book	25%	20%
(c) student's mathematical reflection on the book	25%	40%
(d) student's writing skill	25%	20%

4. **Important dates of the Mathematics Book Report Competition for Secondary Schools**

Date	Event
26/11/2021 (Friday)	Deadline for application for the briefing seminar
7/12/2021 (Tuesday)	Briefing Seminar (Course ID: CDI020220464) Time: 3:00 p.m. – 5:00 p.m. Mode: Online

18/2/2022 (Friday)	Deadline for the submission of application forms for Mathematics Book Report Competition for Secondary Schools.
23/3/2022 (Wednesday)	(1) Deadline for the submission of online nomination form: 5:00 p.m. on 23 March 2022 (Website: https://forms.gle/eeTzT1Lm55ztD4SL7) (2) Deadline for the submission of book report through email: All book reports should be submitted by 5:00 p.m. on 23 March 2022 to: Mr CHANG Kwok-kei of this Bureau through email (cdoma6@edb.gov.hk) **All late submissions will not be adjudicated.**
13/6/2022 (Monday)	Announcement of the result of the Mathematics Book Report Competition on the website of the Mathematics Project Competition and Mathematics Book Report Competition for Secondary Schools: http://www.edb.gov.hk/en/curriculum-development/kla/ma/res/sa/mpc-mbrc.html
Early July 2022 (tentative)	Prize-giving Ceremony of Mathematics Project Competition and Mathematics Book Report Competition for Secondary Schools cum Exhibition of Winning Entries. Excellent reports will be displayed at the venue of the Ceremony.

5. **Enquiries**

Enquiries regarding the Mathematics Book Report Competition for Secondary Schools may be directed to Mr CHANG Kwok-kei on 2153 7455 of the Mathematics Education Section, Curriculum Development Institute, EDB.

**Poster of Mathematics Project Competition and
Mathematics Book Report Competition for Secondary Schools (2021/22)**