

EDUCATION BUREAU CIRCULAR MEMORANDUM NO. 207/2019

From : Secretary for Education

To : Heads of Primary and Secondary
Schools

Ref. : EDB(CD)/ADM/50/1/2(27)

Date : 18 December 2019

STEM Education Fair 2020
Inspiring Creativity Promoting Innovation

SUMMARY

This circular memorandum informs primary and secondary schools about the details of the “STEM Education Fair 2020” (“the Fair” thereafter) and invites schools to participate in the Fair by showcasing students’ learning achievements in STEM education in the form of booth exhibition.

DETAILS

2. To tie in with the promotion of STEM education, the Education Bureau (EDB) organised the first “Student Education Fair on Science, Technology and Mathematics 2016” in the Hong Kong Science Park in 2016. The event was actively participated and well received by schools and the general public. The EDB will organise the STEM Education Fair again in July 2020 to further promote STEM education through the collaboration of professions.

3. With the theme “Inspiring Creativity Promoting Innovation”, the Fair aims to showcase and celebrate a wide range of students’ learning achievements on STEM-related areas, as well as to provide teachers with a platform for exchanging learning and teaching strategies for implementing STEM education. We hope to further enhance students’ learning interest, creativity and innovation, as well as their ability in integrating and applying cross-disciplinary knowledge and skills through organising this event.

4. The Fair will be held from 10:00 a.m. to 5:00 p.m. on 3 and 4 July 2020 in a major exhibition venue in Hong Kong (to be confirmed). The Fair features a total of 80 exhibition booths presented by local primary and secondary schools, 20 exhibition booths by local tertiary institutions and professional bodies, and a series of STEM-related seminars and workshops covering various themes. The Fair is open to the public, while students, teachers, education practitioners and parents are most welcome to join. For details of the Fair, please refer to the Annex. Further information about the Fair will be announced later.

5. **Primary and secondary schools are invited to participate in the Fair to showcase students' learning achievements in STEM education in the form of booth exhibition.** A selection panel comprising members of the Curriculum Development Council Committees of STEM-related Key Learning Areas, EDB officers, etc. will be set up to select schools to join the exhibition. Selected schools will be informed by the end of February 2020. In order to encourage schools to participate in the exhibition as well as enhance students' exposure to the latest development in STEM-related fields, a series of pre-Fair learning activities, including STEM-related workshops and STEM-themed study tours to the Greater Bay Area, will be organised for students nominated by the schools participating in the exhibition. Furthermore, schools awarded the "Best Booths" in the exhibition will be invited to nominate students to join a Mainland STEM-themed advanced study tour tentatively scheduled for August 2020.

6. Schools interested in participating in the exhibition of the Fair should complete the Exhibition Enrolment Form (*Appendix 1*) and submit it to the Curriculum Development Institute, the EDB, by fax (fax no.: 2877 7954) **on or before 21 January 2020 (Tuesday)**.

ENQUIRY

7. For enquiries, please contact Miss Miriam CHEUNG of the Mathematics Education Section, Curriculum Development Institute, the EDB at 2153 7430.

Dr Gloria PW CHAN
for Secretary for Education

c.c. Heads of Sections – for information

STEM Education Fair 2020 Details

A. Introduction

The STEM Education Fair 2020 (hereafter “the Fair”) under the theme of “Inspiring Creativity Promoting Innovation” is organised by the Education Bureau (EDB). The Fair aims at:

- showcasing and celebrating a wide range of students’ learning achievements on STEM-related areas;
- providing teachers with a platform to exchange learning and teaching strategies related to STEM education; and
- displaying diverse learning experiences in STEM-related areas.

B. Major Events and other information

Date: 3 and 4 July 2020 (Friday and Saturday)

Time: 10:00 a.m. to 5:00 p.m.

Venue: A major exhibition venue in Hong Kong (to be confirmed)

Major Events: (i) Opening ceremony cum keynote speech

(ii) Exhibition / seminars / workshops

(a) **Exhibition**

It comprises a total of 80 booths presented by local primary and secondary schools and 20 booths presented by local tertiary institutions and professional bodies (please see the latter part of this Annex for details)

(b) **Seminars / workshops**

Seminars and workshops covering various themes (Guest speakers from tertiary institutions, professional organisations, and primary and secondary schools will be invited. Details will be announced later)

(iii) Award presentation ceremony

C. Exhibition: A showcase of students' learning achievements in the form of booth exhibition

(i) Details of the exhibition

- There would be a total of 80 exhibition booths for primary and secondary schools to display and present students' learning achievements in STEM-related fields. Schools are welcomed to propose any STEM-related themes such as smart living, caring for the community, sustainable development, automation designs, big data / statistics, or any other appropriate themes for the exhibition. There are also around 20 exhibition booths and 10 display boards for local tertiary institutions and professional bodies to display STEM-related useful information, such as local and global STEM-related development and study opportunities.
- The size of a booth is 3m² (1.5m (W) x 2m (L)). Wi-Fi, electricity, standard furniture and display boards will be provided for displaying students' achievements and works.
- Exhibition date: 3 and 4 July 2020 (Friday and Saturday)
Exhibition time: 10:00 a.m. to 5:00 p.m.
Venue: A major exhibition venue in Hong Kong (to be confirmed)
Preparation date: 2 July 2020 (Thursday)
(Schools will be informed of the details of preparation arrangements during the briefing session to be held in March 2020.)

(ii) Selection of schools for the exhibition

- A selection panel comprising members of the Curriculum Development Council Committees on STEM-related Key Learning Areas, EDB officers, etc. will be set up to select primary and secondary schools for the exhibition of the Fair.
- To ensure a rich variety of exhibits so that diverse learning experiences and achievements in STEM-related areas can be displayed, the selection panel will, in the selection process, take into consideration the uniqueness and specialty of the theme, mode(s) and content of the exhibition based on the information provided by schools in the Exhibition Enrolment Form (*Appendix 1*).
- The selection panel reserves the right of the final decision on the selection of schools for the exhibition.
- All selected schools will be informed by the end of February 2020.

(iii) STEM learning activities and awards

(a) STEM learning activities

- STEM-related workshops and STEM-themed study tours to the Greater Bay Area will be organised by the EDB for the schools participating in the exhibition. The selected

schools for the exhibition may nominate students to participate in the activities. For details, please refer to *Appendix 2*.

(b) Awards

- There will be three kinds of awards for schools joining the exhibition, namely the “**Best Booths**”, “**Good Presentation**” and “**Good Decoration**” awards.
- A judging panel comprising representatives of supporting organisations of the Fair, members of the Curriculum Development Council, scholars, educators and industrial leaders will visit the primary and secondary school booths and listen to the presentation by the students during the exhibition. The judging panel will then select 5 primary booths and 5 secondary booths for the “Best Booths” awards, as well as the schools for the “Good Presentation” and “Good Decoration” awards. The judging criteria will be released in the briefing session for the exhibition.
- The judging panel shall be the final arbiter for all matters concerning the awards.
- Prizes:

Awards	Prizes
Best Booths	<ul style="list-style-type: none"> ◆ Trophy and certificates ◆ Book coupons of the value of HK\$3,000 ◆ Mainland STEM-themed advanced study tour (To be organised in early August 2020 (tentative), with a quota of 5 students and 1 teacher for each school. For details, please refer to <i>Appendix 2</i>)
Good Presentation/ Good Decoration	<ul style="list-style-type: none"> ◆ Certificates ◆ Book coupons of the value of HK\$1,000

- The award presentation ceremony will be held on 4 July 2020 (Saturday) in the venue of the Fair.

(iv) Briefing session for schools selected for the exhibition

- A briefing session will be held in March 2020 for the primary and secondary schools selected for the exhibition. All selected schools are required to attend the briefing session. Detailed arrangements for the exhibition and the judging criteria for the awards will be announced then.

(v) Application deadline

- 21 January 2020 (Tuesday)

(vi) Schedule of exhibition-related events

Date	Item
On or before 21 Jan 2020	Submission of Exhibition Enrolment Form
By the end of Feb 2020	Confirmation letters to the selected schools for the exhibition
Mar 2020 (exact date to be confirmed)	Briefing session for the exhibition (all selected schools for the exhibition to attend)
Apr to May 2020	STEM-related workshops for students (selected schools for the exhibition to nominate students to join) (to be held in April and May 2020)
	STEM-themed study tours to the Greater Bay Area (selected schools for the exhibition to nominate students to join) (to be held in April tentatively, exact date to be confirmed)
	Nomination of students for presentation of exhibits by the schools (on or before 30 April 2020)
2 Jul 2020	Setting up of the exhibition booths by the schools
3-4 Jul 2020	STEM Education Fair 2020
Early Aug 2020 (tentative)	Mainland STEM-themed advanced study tours (schools with the Best Booths awards to nominate students to join)

**STEM Education Fair 2020
Exhibition Enrolment Form #**

To: The Curriculum Development Institute, the EDB
Via: Administration Team (Kowloon Tong Education Services
Centre)
(Fax Number: 2877 7954)

Form No.: _____
(For EDB's Use Only)

Deadline for submission: 21 January 2020 (Tuesday)

Reply Slip

Please insert a tick (✓) in the appropriate box(es) below and provide relevant information. (Use a separate sheet if necessary).

My school would like to participate in the STEM Education Fair 2020 to showcase students' learning achievements in STEM education in the form of booth exhibition.

Theme of the exhibition (e.g. *smart living, caring for the community, sustainable development, automation designs, big data / statistics, etc.*)

Title: _____ (Eng)

_____ (Chi)

Mode(s) (May choose more than ONE item)

- Scientific investigation Invention Design and make
 Mathematical modelling Statistical data processing Coding
 Others (Please specify: _____)

Type(s) (May choose more than ONE item)

- Projects/outcomes of STEM learning activities in school
 Students' winning project of competition(s)
(Name of the competition(s): _____)
 Others (Please specify: _____)

Brief description of the exhibition (within 200 words) (Use a separate sheet if necessary)

Level(s) (May choose more than ONE item)

- P1 – P3 P4 – P6 S1 – S3 S4 – S6
 Other (s) (Please specify: _____)

Subject(s) or KLA(s) involved (May choose more than ONE item)

Primary level:

- General Studies Mathematics Computer lessons
 Other (s) (Please specify: _____)

Secondary level:

- Science Education Technology Education Mathematics Education
 Other (s) (Please specify: _____)

School Information

Name of School: _____ (*Primary / Secondary)

Address of School: _____

School Tel. No.: _____ Fax No.: _____

Information of Teacher-in-charge

Name:

(*Mr./Mrs./Ms./Miss) _____ (English)
_____ (Chinese)

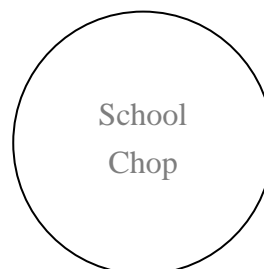
Position held: _____ Email address: _____

Mobile No.: _____

Signature of Principal: _____

Name of Principal: _____

Date: _____



* Please delete where inappropriate.

Interested schools may submit more than one enrolment form under different themes.

STEM Education Fair 2020
STEM-related Learning Activities / Mainland STEM-themed Advanced Study Tour

A. Pre-Fair activities

Schools selected to participate in the exhibition of the STEM Education Fair 2020 are invited to nominate students to participate in the following pre-Fair activities.

1. STEM-related workshops

- Half-day STEM workshops (with tentative themes including the production of VR games and Bluetooth devices) will be organised from April to May 2020.
- Each school may nominate up to 4 students for the workshops.

2. STEM-themed study tours to the Greater Bay Area

- Each of the selected primary and secondary schools will be invited to nominate 4 students and 1 teacher to join a STEM-themed study tour to the Greater Bay Area organised by the EDB in April 2020 (tentative).
- The study tours aim to provide different learning experiences for students and to enhance their understanding of the development in science and technology in the Greater Bay Area cities.

B. Post-Fair Mainland STEM-themed advanced study tours

- Each winning school of the “Best Booths” award will be invited to nominate 5 students and 1 teacher to join a Mainland STEM-themed advanced study tour organised by the EDB in early August 2020 (tentative).
- Specially designed STEM programmes, such as themed-based learning supervised by scholars of acclaimed universities, will be offered to students in the study tour. Featured visits related to science and technology, such as visits to organisations on innovative technology or nature conservation, will also be offered. Certificates will be awarded to students and teachers who have completed the study tour.

Further details of the above activities will be announced at the briefing session for schools participating in the exhibition in March 2020.