

**EDUCATION AND MANPOWER BUREAU**  
**CIRCULAR MEMORANDUM NO. 265/ 2004**

From: Secretary for Education  
and Manpower

To: Heads of Secondary Schools

Ref: EMB (CD/MATH)/ADM/55/1/19(2)

Date: 5 November 2004

---

**Mathematics Project Competition for Secondary Schools**  
**(2004-2005)**

(Note: This circular memorandum should be read by Heads  
of all Secondary Schools – for necessary action)

**Summary**

The purpose of this circular memorandum is to invite Heads of all secondary schools to nominate students of Secondary Three or below to participate in the Mathematics Project Competition for Secondary Schools (2004-2005) organized by the Mathematics Education Section of the Education and Manpower Bureau.

**Details**

2. The competition aims at promoting the interest of students in learning mathematics and developing students' generic skills through project learning. Full particulars of the competition are provided in the information sheet attached. Heads of schools are requested to bring this circular memorandum to the notice of all their mathematics teachers and to encourage their students to participate in the competition.

3. To acquaint mathematics teachers with details of the competition, the Mathematics Education Section will hold a briefing session at 2:30 pm to 4:40 pm. on **7 December 2004 (Tuesday)** at Room 105-107 Hong Kong Teachers' Centre, 4 Pak Fuk Road, North Point, Hong Kong. For details, please refer to the EMB Training Calendar via EMB Homepage <http://www.emb.gov.hk> (Course ID: CDI020040866). Due to the limited seating capacity of the venue, each school could nominate a maximum of two teachers. Please register online through the EMB Training Calendar **on or before 1 December 2004 (Wednesday)**. Registrations will be processed on a first-come-first-served basis.

4. Heads of secondary schools wishing to nominate their students to participate in the competition should complete the attached Application Form (Appendix I) and return it to the Mathematics Education Section on or before **24 February 2005 (Thursday)**.

5. Enquiries concerning the competition may be directed to Mr. IP Wing-tong of the Mathematics Education Section, Education and Manpower Bureau on 2153 7462.

(P L LEE)  
for Secretary for Education  
and Manpower

c.c. Heads of Sections - for information

## **Mathematics Project Competition for Secondary Schools**

**(2004-2005)**

### **Information Sheet**

The competition is organized by the Mathematics Education Section of the Education and Manpower Bureau. It aims at promoting the interest of students in learning Mathematics and developing students' generic skills through project learning. Details of the Competition are given below:

#### **Theme**

Any topic in mathematics

#### **Rules for the Competition**

- (a) The project should be designed and done by three to six students of Secondary Three or below. Each student can participate in only one project.
- (b) The project could be on any topic in mathematics.
- (c) A written report, including a summary of about 200 words of the project, and the products (if any) should be submitted by each participating team.
- (d) The content of the report should be relevant and concise.
- (e) The cover page of the report should include
  - the project title,
  - school name and
  - classes and full names of students in both Chinese and English.
- (f) **Each** project *must* be submitted together with the attached form "Information of Project" (Appendix II) which can also be downloaded from the Mathematics Project web page [http://cd1.emb.hkedcity.net/cd/maths/en/ref\\_res/proj\\_learn/index.html](http://cd1.emb.hkedcity.net/cd/maths/en/ref_res/proj_learn/index.html)
- (g) The project report should be written in either Chinese or English.
- (h) The preliminary adjudication based on the written reports and the products of the project (if any) will be conducted. The best ten entries will be selected and the members of the corresponding project teams (hereinafter refer to as the "finalists") will be invited to attend an interview conducted by a panel of judges.
- (i) Prizes will be given to the finalists. Details of the prizes are divulged in the section "Prizes" on page 5.
- (j) The Mathematics Education Section of the Education and Manpower Bureau reserves the right to publish in full or part of the entries. All entries will not be returned to schools.
- (k) Participants will be responsible for the production costs of their projects.
- (l) The decision of the Organizing Committee is final.

## **Work Schedule**

- 1 Dec. 2004 (Wednesday) Deadline for the submission of reply forms for the briefing session
- 7 Dec. 2004 (Tuesday) Briefing session for teachers  
Time : 2:30 p.m. – 4:30 p.m.  
Venue : Room 105-107, Hong Kong Teachers' Centre,  
4 Pak Fuk Road, North Point,  
Hong Kong
- 24 Feb. 2005 (Thursday) Deadline for the submission of application forms for the Competition
- 5 May 2005 (Thursday) Deadline for the submission of written reports and products of the projects (if any). All materials should be submitted to:  
Mr. IP Wing-tong  
Room 403, 4/F, Kowloon Government Offices  
405 Nathan Road  
Kowloon
- 18 June 2005 (Saturday) Announcement of the best ten entries
- 6 July 2005 (Wednesday) Interviews for the finalists
- 9 July 2005 (Saturday) Oral presentation, exhibition and prize giving ceremony  
Each of the best four teams (the Champion, First Runner-up, Second Runner-up and the Team of Best Presentation) is expected to give a brief presentation for about 15 minutes. Outstanding entries will be exhibited at the venue of the Prize-giving Ceremony.

## **Adjudication**

The panel of judges comprises prominent mathematicians, teachers experienced in supervising mathematics projects and representatives from the Mathematics Education Section of Education and Manpower Bureau. All projects will be judged 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 and creative; and
- (c) whether the presentation is logical, systematic and analytical.

## **Prizes**

Trophies will be presented to the schools of the champion, first runner-up and second runner-up. A big cup will be presented to the school of champion team for retention of one year. Merit certificates will also be presented to the teacher supervisors of the

winning projects. The prizes for each member of the winning teams are divulged as follows:

Awards	Prizes
Champion	Gold medal, certificate of merit and souvenir
1 <sup>st</sup> Runner-up	Silver medal, certificate of merit and souvenir
2 <sup>nd</sup> Runner-up	Bronze medal, certificate of merit and souvenir
Best Presentation	Prize medal, certificate of merit and souvenir
Outstanding Performance (7 teams)	Certificate of merit and souvenir
Good Performance (Quantity depends on quality of the entries)	Certificate of merit

### **Enquiries**

Enquiries regarding the competition may be directed to Mr. IP Wing-tong on 2153 7462.

## Application Form

Mathematics Education Section  
 Education and Manpower Bureau  
 Room 403, 4/F, Kowloon Government Offices  
 405 Nathan Road, Kowloon

**(Fax no.: 3426 9265)**

### Mathematics Project Competition for Secondary Schools (2004-2005)

I nominate \_\_\_\_\_<sup>(#)</sup> team(s)<sup>(†)</sup> to participate in the above competition. The responsible teacher(s) is/ are:

Name	Name in Chinese	Tel. No.	Fax No.	E-mail Address
Mr. /Ms*				
Mr. /Ms*				

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

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

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

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

*# Please enter a number.*

*† Each team comprises three to six students of Secondary Three or below and each school can nominate as many teams as it likes to participate in the Competition.*

*\* Please delete whichever is inappropriate.*

Please fill in the following to facilitate correspondence.	Please use the label below for returning the application form.
<p style="text-align: center;">The Principal</p> School: _____ _____ Address: _____ _____ _____	Mathematics Education Section Education and Manpower Bureau Room 403, 4/F, Kowloon Government Offices 405 Nathan Road, Kowloon  <p style="text-align: center;"><b>(Application for Mathematics Project Competition)</b></p>

## Information of Project

## 專題習作資料

Official Use 主辦單位專用

Name of Project				
專題習作名稱				
Name of School 學校名稱				
Teacher-in-charge of the project 本習作負責老師		Name in English	中文姓名	Tel No. 聯絡電話
	1			
	2			
Team members 隊員		Name in English	中文姓名	Class / 班別
	1			
	2			
	3			
	4			
	5			
	6			
Project Summary in either English or Chinese (Not more than 200 words) 中文或英文的習作撮要 (不超過 200 字)				