

Hong Kong Chemistry Olympiad for Secondary Schools (2006-2007)

Aims/Objectives

The aim of this competition is to promote the interest of students in learning Chemistry and to develop students' skills in problem solving, critical thinking, communication and science process through project learning.

Details

2. Hong Kong Association for Science and Mathematics Education (HKASME), Hong Kong Chemical Society and Royal Society of Chemistry are jointly organising the twelfth *Hong Kong Chemistry Olympiad for Secondary Schools* for Secondary 4-7 students. The theme for the current school year is "Chemistry in Commercial Products". Particulars of the competition are provided in Appendix 10a.

3. To acquaint participating teams with details of the competition, a briefing session will be held on **21 October 2006 (Saturday)**. Heads of schools wishing to nominate their Chemistry teachers, laboratory technicians and students to attend the briefing session are requested to complete the attached Reply Form (Appendix 10b) and return it to the HKASME on or before **19 October 2006 (Thursday)**. Nominees may assume their applications successful unless they receive further notice.

4. Please bring this Annex to the attention of your Chemistry teachers, and encourage your teachers, laboratory technicians and students to participate in the events. Heads of schools wishing to nominate their students to participate in the Olympiad should complete the attached Application Form (Appendix 10c) and return it to the HKASME on or before **13 November 2006 (Monday)**.

Contact Person

5. For enquiries, please contact Miss CHU of HKASME at 2333 0096.

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Information Sheet

The Hong Kong Chemistry Olympiad for Secondary Schools is a project learning competition aims at promoting the interest of students in learning Chemistry and developing students' skills in problem solving, critical thinking, communication and science process through project learning. The competition has been jointly organised by Hong Kong Association for Science and Mathematics Education (HKASME), Hong Kong Chemical Society and Royal Society of Chemistry since 1995. Last year, about 320 students (64 teams from 50 schools) participated in the 11th Olympiad. Details of the Olympiad for this year are given below:

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|----------------------------------|--|
| Theme | Chemistry in Commercial Products |
| Participants | Each team comprises three to five Secondary 4-7 students and each school can present a maximum of two teams of students to compete in the Olympiad. |
| Rules for the competition | <ul style="list-style-type: none">(a) Students will design and work on their own project in school. The project should include experimental work.(b) Each team of students should write up a report or produce a website to give a concise and well-ordered account of their project including the objectives, an abstract of not more than 200 words, principles, experimental methods, presentation and interpretation of results, discussions, conclusions and references. The project title, school name and full names of students in both Chinese and English should be provided in the report cover page (or the website). The presentation materials described in the next paragraph should also be listed at the lower left corner of the report cover page.(c) Each team of students should produce a video/photographic record (e.g. digitized video clips, VCD/DVD, digital photographs) of the key stages of their work and the essential features of their project. The length of the video produced should not exceed 5 minutes.(d) A preliminary screening based on the written reports (or the website) and the presentation materials will be conducted. The best 12 teams will be invited to attend a poster presentation session. Each team should use a poster of about A1 size (59.4 x 84.1 cm) and an abstract (not more than 200 words in both Chinese and English) to briefly explain their projects and answer some questions raised by a panel of judges.(e) The best six entries will be selected and these teams of students will attend the Final where their projects will receive final adjudication undertaken by a panel of judges. Each team of finalists is required to submit a project summary of not more than three A4 pages for reference by the panel of judges. During the Final, each team is allowed a maximum of 15 minutes to report their project. After each presentation, there will be five minutes for the team to respond to questions raised by the panel of judges and the audience. The softcopies of PowerPoint, video, report (or the website), abstract and summary should be stored in a CD/DVD and submit to HKASME during the Final.(f) If finalist teams participate in other competitions, they should notify the organising committee as soon as possible so that proper arrangement could be made.(g) Students can only use either Chinese or English in their project report/website and presentation. Mixed mode of both languages is not allowed.(h) Schools will be responsible for the production costs of their projects. |

Work schedule	19 Oct 06 (Thu)	Deadline for submission of reply forms for the briefing session
	21 Oct 06 (Sat)	Briefing session Time: 9:30 a.m. – 11:30 a.m. Venue: School Hall, Cheung Sha Wan Catholic Secondary School, 533 Fuk Wing Street, Cheung Sha Wan, Kowloon
	13 Nov 06 (Mon)	Deadline for submission of application forms for the Olympiad
	1 Mar 07 (Thu)	Deadline for submission of written reports and presentation materials (for website report, please store in a CD). All materials should be submitted through the school principal to: Mr Ben Ng, HKASME Room 114, 1/F, Po On Court 1-15 Po On Road, Sham Shui Po, Kowloon
	12 Mar 07 (Mon)	Announcement of best 12 teams
	24 Mar 07 (Sat)	Poster Presentation Time: 9:00 a.m. – 12:30 p.m. Venue: to be decided Announcement of six teams of finalists
	12 Apr 07 (Thu)	Deadline for finalists to submit project summaries
	21 Apr 07 (Sat)	Final Time: 9:30 a.m. - 12:30 p.m. Venue: to be decided

Adjudication The panel of judges comprises representatives from the organisers. All projects will be judged according to the following criteria:

- (a) whether the project is relevant to the theme of the Olympiad,
- (b) whether the chemical principles described are sound and whether the methods used are reliable,
- (c) whether the project describes a novel but significant experience and can be used or applied in other areas,
- (d) whether the presentation is clear and convincing, and
- (e) other criteria as deemed appropriate by the panel of judges.

The preliminary screening will focus on the quality of projects and the performance of students in the poster presentation session. The final adjudication will focus on the overall performance of the team during the Final.

- Awards**
- Gold, silver and bronze medals will be presented to members of the first three winning teams.
 - A trophy will be presented to the school of the champion team for its retention for one year.
 - Certificates and souvenirs will also be given to all members of the finalist and commendable teams.

Homepage <http://resources.emb.gov.hk/~science/hkcho>

Enquiries Miss CHU of HKASME, tel.: 2333 0096

Copyright The organisers reserve the right to publish in full or part of the entries. All entries will not be returned to schools.

Reply Form

(Deadline: 19 October 2006)

Hong Kong Association for Science
and Mathematics Education
Room 114, 1/F, Po On Court
1-15 Po On Road, Sham Shui Po, Kowloon
(Fax no.: 2333 3355)

**Briefing Session on
Hong Kong Chemistry Olympiad for Secondary Schools (2006-2007)**

I nominate the following Chemistry teacher(s)/laboratory technician(s)
and ____† students to attend the briefing session:

Name in English (in block letters)	Name in Chinese	Position Held
Mr / Ms*		Teacher / LT *
Mr / Ms*		Teacher / LT *
Mr / Ms*		Teacher / LT *

† Each school could nominate a maximum of three teachers/laboratory technicians and ten students. Nominations will be processed on a first-come-first-served basis. Nominees may assume their application successful unless they receive further notice.

* Please delete whichever is inappropriate

Signature of Principal : _____

Name of Principal : _____

School : _____

Tel. No. : _____

Fax No. : _____

Date : _____

Application Form

(Deadline: 13 November 2006)

Hong Kong Association for Science
and Mathematics Education
Room 114, 1/F, Po On Court
1-15 Po On Road, Sham Shui Po, Kowloon
(Fax no.: 2333 3355)

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I nominate the following team(s)[†] to participate in the above competition:

Participating Team(s) :

<i>Team A</i>		
	<i>Name</i>	
<i>Class</i>	<i>English (in block letters)</i>	<i>Chinese</i>
E-mail of team leader:		

<i>Team B (if any)</i>		
	<i>Name</i>	
<i>Class</i>	<i>English (in block letters)</i>	<i>Chinese</i>
E-mail of team leader:		

Responsible Teacher(s) :

Team A: Mr/Ms* _____ e-mail: _____
 Team B: Mr/Ms* _____ e-mail: _____

[†] Each team comprises three to five Secondary 4-7 students and each school can nominate a maximum of two teams of students to compete in the Olympiad.

* Please delete whichever is inappropriate

Signature of Principal : _____

Name of Principal : _____

School : _____

Tel. No. : _____

Fax No. : _____

Date : _____