

**Mentoring Scheme 2011/12*****Background***

The Student Programmes and Services Division (SPS) of the Hong Kong Academy for Gifted Education (HKAGE) devotes to enhance gifted students' learning skills, facilitate their personal growth, as well as interpersonal development through the provision of various enrichment programmes, workshops and seminars.

In order to provide you advanced and flexible learning opportunities for extending your potentials and reaching out beyond your horizons, the scheme will be launching in mid-November 2011 till mid-April 2012.

***Objectives***

1. To enhance your self-learning ability and knowledge of specific discipline/ subject matter
2. To provide you experiential learning opportunities that outside classroom through interaction with mentors and peers, as well as exposures to challenging tasks
3. To facilitate you to have continuous development of giftedness under the support and guidance of mentors
4. To equip you with essential attributes in support of personal development through role modeling of mentors

***Expectation of student mentees***

- ◆ Commit to being self-disciplined and responsible for own learning
- ◆ Actively participate in the scheme
- ◆ Attend the briefing and presentation day
- ◆ Meet with mentors on a regular basis and keep all contact records
- ◆ Take initiative to seek advice and guidance from mentors
- ◆ Complete all the mandatory reports / assignments and submit on time

***Mode of study***

- ◆ 2-3 students with the same interest of certain subject area / topic will form study group under supervision of a mentor.
- ◆ The study lasts within the period of the Briefing and the Presentation of study.
- ◆ No less than 30 hours should mentees spend for the scheme, and a minimum of 16 contact hours is required over 6 months
- ◆ Mentees should decide and agree with mentors on the details of study, frequency and ways of communication.
- ◆ Mentees will be provided a log sheet to keep record of all activities and contacts. HKAGE will assist in their liaison and provide support if necessary.

### **Coursework**

- ◆ Each mentee should complete and submit Action Plan, Progress Report and Evaluation Report to the HKAGE individually as required.
- ◆ Each Study group has to submit Final Report and conduct Presentation at the end of the scheme to HKAGE.
- ◆ All written work should be submitted in English.

### **Recognition for Student mentees**

- ◆ Those successfully completed the study with **outstanding performance** and recommended by mentors will be awarded a Certificate of Merit or Distinction
- ◆ Those successfully completed the study with **satisfactory performance** will be awarded a Certificate of Completion
- ◆ Outstanding mentees will be interviewed and shared their experiences in the HKAGE Newsletter.
- ◆ Mentees will be nominated to be representative to join the competitions organized by the HKAGE if appropriate.

### **Important dates to be noted**

Before Nov 4, 2011	Result announcement	<ul style="list-style-type: none"><li>- Notification of matching result for mentors and mentees</li><li>- Finalise student group list</li></ul>
Before Nov 11, 2011	Briefing for mentees	<ul style="list-style-type: none"><li>- Cum the first meeting with mentors and other fellow mentees</li><li>- Illustrate the programme details and requirements</li></ul>
Mid Nov 2011 to March 2012	Mentoring Process , Undergoing of Study and mid-term reimbursement	<ul style="list-style-type: none"><li>- Confirm and proceed the study plan according to the objectives of each mentee / study group</li><li>- Submit group proposal, individual study plan and progress report etc</li><li>- Reimbursement of material costs for mentors (if applicable)</li></ul>
Mid-April to May 2012	Programme closing	<ul style="list-style-type: none"><li>- Study groups presentation</li><li>- Submit final reports (including individual and group report)</li></ul>
Late April to May 2012	Programme evaluation and reimbursement	<ul style="list-style-type: none"><li>- Collect feedback from both mentors and mentees</li><li>- Evaluation meeting with mentors</li><li>- Award of certificates</li><li>- Reimbursement of material costs for mentors(if applicable)</li></ul>

**Supplementary Note on Study Projects**

\* Please state your preferred option(s) in the application form.

Option	Domain	Study Scope / Topic(s)	Study focus
<b>1</b>	Maths/ Sci	<ul style="list-style-type: none"> <li>Applied Mathematics</li> <li>Engineering and Numerical Mathematics</li> <li>Combusion Physics</li> </ul>	<ul style="list-style-type: none"> <li>Numerical solution of physical combustion problem</li> <li>Advanced Engineering Mathematics</li> </ul>
<b>2</b>	Sci	<ul style="list-style-type: none"> <li>Environmental Science</li> <li>Antioxidants and agribiotech</li> </ul>	<ul style="list-style-type: none"> <li>Relationship between oxidants and antioxidants</li> <li>Health food production</li> <li>Modern agriculture through literature study and practical work (laboratory work and publication of journal)</li> </ul>
<b>3</b>	Maths	<ul style="list-style-type: none"> <li>Topics to be discussed:                             <ul style="list-style-type: none"> <li>✓ Number theory</li> <li>✓ Set theory</li> <li>✓ Graph theory</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Elegant proofs on some chosen problems related to the topics mentioned</li> </ul>
<b>4</b>	Maths	<ul style="list-style-type: none"> <li>Directly or indirectly related to mathematics chosen from the following:                             <ul style="list-style-type: none"> <li>✓ Contract bridge</li> <li>✓ Calendar systems</li> <li>✓ Electoral systems</li> <li>✓ Combinatorics</li> <li>✓ Using spreadsheet (e.g. MS Excel) to solve mathematical or other practical problems</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Engage in independent study/research under the guidance of mentor</li> <li>Give presentations during the meetings</li> <li>Other relevant activities included depending on the exact topic</li> </ul>
<b>5</b>	Sci	<ul style="list-style-type: none"> <li>Human Computer Interface</li> <li>Game and virtual world development</li> </ul>	<ul style="list-style-type: none"> <li>Work with a development team in university to construct a 3D community and create avators for disseminating anti-crime and anti-drug messages</li> <li>Collect feedbacks from users and stakeholders for improvement of the virtual world.</li> </ul>