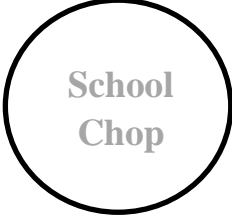


School Survey on the Updating of the Mathematics Education Key Learning Area Curriculum (P1-S6)

School Name: _____	School Number: <table border="1" style="width: 100%; height: 20px; border-collapse: collapse;"><tr><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td></tr></table>						
<input type="radio"/> Primary school <input type="radio"/> Secondary school							
Name & Post of Contact Person : _____							
Telephone Number: _____							
Principal's Signature: _____							

Background:

Ongoing Renewal of School Curriculum - *deepening, focusing, sustaining*

In order to sustain the Learning to Learn curriculum reform launched in 2001 and to keep abreast of the various contextual changes in society over the past decade or so, we are entering into a stage of sustainable and ongoing curriculum renewal and updating (also known as “Learning to Learn 2.0”). In this new phase of curriculum renewal, the educational aims of promoting whole-person development and lifelong learning as well as the overall curriculum framework and learning goals will be kept, particularly the improvement of its quality and effectiveness. The curriculum will remain learner-centred and continue to focus on learning and teaching. However, to maintain Hong Kong’s competitive edge and to prepare our students well for the local and global changes taking place in various fields, considerations for curriculum planning under the curriculum renewal are recommended for sustaining, deepening and focusing on in school-based curriculum development so that the positive impacts of the Learning to Learn curriculum reform can be reinforced and students will be better equipped for future challenges.

Purpose

The purpose of this questionnaire is to collect views from **principals, vice-principals, subject panel heads and teachers** for the Curriculum Development Council on the broad direction of the onward curriculum development of the Mathematics Education Key Learning Area (KLA) in the context of the enhanced version of Learning to Learn 2001 of which promoting **STEM education** is a key emphasis (Please refer to the *Overview on the Promotion of STEM Education – Unleashing Potential in Innovation and Consultation Brief on Updating the Mathematics Education KLA Curriculum (Primary 1 to Secondary 6)* for details). It is part of the consultation on the updating of the KLA curriculum guides, during which the content would be revisited and considerations for curriculum planning under the curriculum renewal would be proposed as suggestions for further development of the school-based curriculum in each KLA. In parallel, other stakeholders will be consulted through various channels, including briefing sessions and focus group interviews. The feedback collected will be consolidated to facilitate further deliberations on the updating of the curriculum guides of the KLAs concerned.

Return of Questionnaire

The panel heads of Mathematics subject are advised to exchange views with the principal, vice-principal(s) and the panel members of the KLA concerned before responding to the questions and send the completed questionnaire, by using the self-addressed envelope enclosed herewith, with the signature of the principal and the school chop by mail to the Council and Secondary Section of the Curriculum Development Institute, Education Bureau (13/F, Wu Chung House, 213 Queen's Road East, Wanchai, Hong Kong) by 4 January 2016. For the Mathematics Education KLA, schools are expected to return ONE questionnaire only. For enquiries, please contact Ms Sammy SIU at 2153 7453. All information will be kept strictly confidential and only used for the purpose of updating the Mathematics Education KLA Curriculum Guide. No information of individual schools will be revealed.

Please refer to the *Overview on Promotion of STEM Education – Unleashing Potential in Innovation and Consultation Brief on Updating the Mathematics Education KLA (Primary 1 – Secondary 6)* when responding to the following questions.

Please express your extent of agreement or views by blackening the appropriate circles in the following items, and offer additional suggestions in the spaces provided.

1. The promotion of STEM education is introduced as a key emphasis of the ongoing renewal of the school curriculum. Its focus is to unleash students' potential and develop their capacity to **innovate** by enhancing their creativity and problem solving skills, as well as their interest in learning through **integrating and applying knowledge and skills** across disciplines of Science, Technology and Mathematics Education KLAs.

Strongly agree Agree Disagree Strongly disagree No opinion

Other comments:

2.

Recommended approaches for organising STEM-related learning activities	Strongly agree	Agree	Disagree	Strongly disagree	No opinion
(i) Learning activities based on topics of a KLA for students to integrate relevant learning elements from other KLAs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(ii) Projects for students to integrate relevant learning elements from different KLAs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other comments:

3.

Recommended strategies for promoting STEM education	Strongly agree	Agree	Disagree	Strongly disagree	No opinion
(i) Renew the curricula of Science, Technology and Mathematics Education KLAs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(ii) Enrich learning activities for students	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(iii) Provide learning and teaching resources	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(iv) Enhance professional development of schools and teachers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(v) Strengthen partnerships with community key players	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(vi) Conduct review and disseminate good practices	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other comments:

4.

(i) Your concerns about the promotion of STEM education in your school:

(ii) Your views on the promotion of STEM education in schools:

(iii) Good practices, if any, on promoting STEM education to share with other schools:

5.

Other suggestions on promoting STEM education in schools:

6. The overall curriculum aims of the Mathematic Education Key Learning Area (KLA) are to develop in students:

- the ability to think critically and creatively, to conceptualise, inquire and reason mathematically, and to use mathematics to formulate and solve problems in daily life as well as in mathematical contexts and other disciplines;
- the ability to communicate with others, express their views clearly and logically in mathematical language;
- the ability to manipulate numbers, symbols and other mathematical objects;
- number sense, symbol sense, spatial sense, measurement sense and the capacity to appreciate structures and patterns; and
- a positive attitude towards mathematics learning and an appreciation of the aesthetic nature and cultural aspect of mathematics.

The overall curriculum aims of the Mathematics Education KLA should remain unchanged in the next five to ten years.

Strongly agree
 Agree
 Disagree
 Strongly disagree
 No opinion

Other comments:

7. The followings are important issues that should be addressed in the coming holistic review of Mathematics curriculum.

Issues for review	Strongly agree	Agree	Disagree	Strongly disagree	No opinion
(A) The content of Enrichment Topics of the primary and junior secondary Mathematics curricula	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(B) The setting of Spare Periods in the primary and junior secondary Mathematics curricula	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(C) The teaching sequence of topics for better interface of learning and teaching between Key Stages	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(D) The teaching sequence and depth of treatment of topics for providing better support to the learning of other KLAs and subjects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(E) The strengthening of the learning and teaching of Data Handling	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other comments:

8. Areas for updates to be put forth in the Mathematics Education KLA Curriculum Guide (2016) that your school requires information and explanation from the curriculum guide most. *(You may blacken more than one circle.)*

- STEM education
- e-Learning and information literacy
- Language across the Curriculum
- Generic skills
- Values education
- Others (Please specify.)

9. (a) Area(s) that your school requires support most? *(You may blacken more than one circle.)*

- e-Learning and information literacy
- STEM education
- Language across the Curriculum
- Generic skills
- Values education
- Holistic curriculum development (e.g. vertical continuity/lateral coherence, collaboration among KLAs, flexible use of curriculum time)
- Others (Please specify.)

(b) Support measures that can best address the needs and concerns of your school in incorporating the major areas for updates in the school-based mathematics education curriculum? *(You may blacken more than one circle.)*

- Professional development programmes
 - Curriculum Planning (including the planning of cross-KLA/STEM-related activities)
 - Learning, Teaching and Assessment (including that for STEM-related activities)
 - Enriching Knowledge (including cutting edge development in STEM-related fields)
- Resource packages
- School-based support
- Online resources provided by the EDB (e.g. One-stop Portal for Learning and Teaching Resources, Mathematics Education Section website)
- Others (e.g. equipment, venues) Please specify.

10. Other suggestions on the updating of the Mathematics Education KLA Curriculum:

***– The End –
Thank you !***