

Title of School-based Support Service (Learning Communities)

(2026/27):

Learning Community for Primary School Mathematics Teacher Leaders:
Introducing Elements of Mathematical Modelling to Cultivate Students'
Ability to Apply Mathematics to Solve Real-life Problems

**Online
Application
Code
P8**

1. Objectives

This support service aims to:

- enhance curriculum leadership and professional capacities of teaching teams in participating schools through the train-the-trainer approach; and
- establish a cross-school collaboration platform that enables teachers from different primary schools to explore the planning and implementation of learning and teaching design with the elements of mathematical modelling, facilitating experience sharing and resources exchange.

2. Foci of Support

- To enhance teacher leaders' professional and curriculum planning capacities to integrate the elements of mathematical modelling in the learning and teaching of Mathematics at the upper primary level
- To leverage AI to optimise the design of learning and teaching materials as well as instructional arrangements, so as to nurture students' ability to integrate mathematical knowledge with innovative technology to solve real-life problems

3. Support Activities

- Thematic seminars, cross-school lesson observations, as well as sharing sessions are organised to foster professional exchanges among curriculum leaders and promote practical experiences and effective resources.
- On-site meetings are arranged to enhance curriculum planning and pedagogical design in response to students' abilities and needs.

4. Points to note

- The support service normally lasts for one year.
- To effectively utilise the support service, participating schools should:
 - appoint a curriculum leader as the coordinator responsible for maintaining contact with the support officer of the service;
 - provide administrative support in releasing participating teachers to attend all meetings as well as professional development activities organised; organise school meetings led by curriculum leaders involved in this support service, where school teachers explore how to integrate mathematical modelling elements into the upper primary mathematics curriculum and effectively utilise AI to promote the development of the school curriculum (Support officers will work closely with the curriculum leaders and provide feedback to further enhance their professional capacity.);
 - allow support officers to collect materials including video clips and photographs of learning activities, teachers' reflection and student work during the support period for professional discussion; and
 - share successful experiences in school curriculum development and the teaching and learning resources co-developed. (The copyright of these materials will be

jointly owned by the Education Bureau and the relevant schools. The Education Bureau also reserves the right to compile and modify these materials for educational promotion purposes.)

- Participating schools should comply with relevant laws, such as compliance with the Copyright Ordinance in developing school-based learning and teaching materials.

5. Enquiries

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