

Title of School-based Support Service (On-site Support) (2026/27):
Mathematics Education in Primary Schools: Promoting AI-assisted
Instruction to Enhance Teaching and Learning Effectiveness

**Online
Application
Code
P4**

1. Objectives

The support service aims to:

- enhance curriculum leadership and professional capacities of teaching teams in participating schools through the train-the-trainer approach; and
- promote the optimisation of Mathematics Education curriculum planning in primary schools, assist schools in promoting AI-assisted teaching, and develop effective learning, teaching and assessment strategies, so as to enhance students' abilities to learn Mathematics using innovative technology.

2. Foci of Support

- To optimise curriculum planning, leverage AI for teaching innovation, and enhance students' abilities to inquire, communicate, reason and apply mathematical concepts
- To leverage AI in the Mathematics curriculum to optimise learning, teaching and assessment strategies, and to promote curriculum initiatives such as STEAM education and mathematical modelling
- To enhance teachers' abilities to use AI to facilitate the learning and teaching of Mathematics through curriculum planning, teaching practice and review of effectiveness

3. Support Activities

- Support officers collaborate with the core teaching team through regular meetings to develop the school curriculum and conduct collaborative lesson planning, lesson observation and post-lesson discussion.
- The core teaching team participates in cross-school professional development activities, sharing and promoting effective practices and resources to facilitate professional exchanges among schools.

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 to lead the core teaching team's participation in this professional support service; to be responsible for liaising with the relevant support officer and making specific arrangements for the support service;
 - organise regular meetings to ensure teachers are fully engaged in activities including discussions on curriculum development, collaborative lesson planning, lesson observation and post-lesson discussion as well as reviewing student learning outcomes, thereby strengthening collaboration and communication among teachers (Support officers will participate in various sessions and provide feedback to facilitate the professional development of teachers.);
 - 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
 - encourage the core teaching team to disseminate successful experiences in school curriculum development and the learning and teaching resources co-

developed within and across schools. (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

Contact person:

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