

Title of School-based Support Service (Learning Communities)

(2025/26):

Learning Community for Mathematics Education: Deepening the Application of Mathematical Modelling and Fostering Data Literacy by Making Good Use of Open Data

**Online
Application Code**

S4

1. Objectives

The support service aims to:

- Enhance curriculum leadership and professional level of teacher team in participating schools through train-the-trainer approach and with a focus on the curriculum leadership
- Promote cross-school professional exchanges for curriculum leaders to jointly discuss the concerns and corresponding strategies for implementing Mathematics Education so as to enhance students' capability in the applications of Mathematics and foster their data literacy

2. Foci of Support

- To enhance implementation of Mathematics curriculum for a smooth interface between the junior and senior secondary curricula to facilitate a coherent learning experience for students
- To deepen mathematical modelling and strengthen cross-topics learning, enabling students to enhance capability in the application of mathematics as well as learning motivation through solving real-life problems
- To make good use of open data and information technology and guide students to understand and analyse data, so as to foster their data literacy

3. Support Activities

- Each participating school appoints curriculum leaders to form learning communities with other schools to share and promote effective practices and resources in cross-school professional development activities so as to facilitate professional exchanges among schools
- Support officers will also have professional discussions with individual schools according to their context and develop school-based implementation strategies to achieve the common goals of the learning community

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
 - arrange regular internal meetings led by the curriculum leader participating in this support service to discuss how to promote school curriculum development in close alignment with curriculum initiatives. 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

- 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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