

**Title of School-Based Support Service (On-site Support and Learning Communities) (2024/25)**  
**Quality Education Fund Thematic Network (QTN) – Implementing ‘Computational Thinking’ and ‘STEAM Education’ by Two Approaches cum STEAM Education Resource Hub (2024/25)**

**1. Objectives**

This support service aims to:

- Promote computational thinking and STEAM education through Mathematics learning activities and cross-curricular activities in KS1.
- Help teachers of participating schools apply the concept of computational thinking and improve their capacity of using information technology in teaching
- Establish a teacher-professional learning community and foster inter-school professional exchange.
- Provide workshops for teachers, parents and students of participating schools and other schools and allow them to use the equipment and tools provided by the coordinating school under the STEAM Education Resource Hub.

**2. Foci of Support**

- To promote STEAM education and computational thinking in the learning of Mathematics according to the needs of the school and students
- To develop primary school-based curriculum of STEAM education to promote whole-person development of students
- To enhance ability of teachers to apply computational thinking and information technology in teaching
- To establish a professional learning community to promote inter-school exchange culture to contribute to the education sector as a whole
- To enhance students’ positive values and attitudes by allowing them to enjoy the learning progress through trial-and-error and to figure out the most effective learning methods

**3. Modes of Support**

- QTN coordinator will support and collaborate with teachers at participating schools, details are as follows:

On-site collaboration and Networking Activities	<p>At least 16 times of on-site support and networking activities</p> <ul style="list-style-type: none"> <li>• Conduct in-depth analysis of school needs, lesson studies such as curriculum planning, collaborative lesson planning, lesson observation and post-lesson discussion to enhance teacher professionalism through close exchange</li> <li>• Leading participating schools in designing school-based curricula, including analysing the needs of students, organising teaching materials, designing teaching pedagogies and courses, conducting lesson observation etc.</li> <li>• Establish a learning community network with professional discussions and exchanges on the online platform</li> <li>• Conduct teacher professional development activities based on topics, such as workshops and lesson demonstration etc.</li> <li>• Organise courses by topics for teachers on the use of equipment and tools typically used in STEAM education</li> <li>• Organise territory-wide disseminating seminar and share with Mathematics teachers the outcomes and accomplishments of the teachers from participating schools</li> </ul>
STEAM Education Resource Hub	<ul style="list-style-type: none"> <li>• Open the STEAM education resource hub at school regularly for teachers to use the equipment and tools</li> <li>• Conduct regular teacher development events</li> <li>• Organise various educational activities for primary students regularly</li> <li>• Organise STEAM parent-child classes, allow parents and students to experience the joy of coding and production of STEAM works</li> </ul>

#### 4. Points to note

- The duration of the support services normally lasts for one year.
- Active engagement of participating schools throughout the support services is expected.
- At least one representative should attend each QTN activity.
- To fully utilise the support services, participating schools should:
  - nominate panel head / deputy panel head to be responsible for the liaison of QTN activities.
  - arrange regular timeslots for teachers to collaborate and exchange, e.g. periods for collaborative lesson planning and observation.
  - arrange teachers to participate in two Executive Committee (EC) meetings and a territory-wide dissemination seminar to share their successful experiences in school curriculum development and the learning and teaching materials developed under collaboration.

- 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:	Mr LIU Ka-wai / Mr CHAN Ting-hin
Support Service Coordinator:	Fung Kai Liu Yun sum Memorial School
Telephone number:	2677 2311
E-mail:	liukw@fklys.edu.hk chanth@fklys.edu.hk