Title of School-based Support Service (2026/27):

Quality Education Fund Thematic Network projects (QTN projects) – Practising STEAM education in Mathematics to improve students' abilities to solve real-life problems cum STEAM Education Resource Hub

1. Objectives

The support service aims to:

- enhance curriculum leadership and professional level of teaching team for participating schools through train-the-trainer approach and with a focus on nurturing curriculum leaders
- strengthen the pedagogical skills of teachers in the application of computational thinking and information technology
- establish a professional learning community and foster a culture of inter-school professional exchange, thereby contributing to both the society and teaching profession
- nuture students' proper values and attitudes, encouraging them to enjoy the learning process and identify effective learning methods through trial-and-error
- develop students' STEAM competencies so as to apply their STEAM knowledge to solve real-life problems, and prepare them for future academic and career paths

2. Foci of Support

- To enhance students' abilities to solve real-life problems through hands-on activities, by promoting STEAM education in the Mathematics modules according to school contexts and students' needs
- To develop primary level school-based STEAM education curriculum to promote whole-person development of students
- To provide workshops and access to the STEAM Education Resource Hub for the participation and use of teachers, parents and students from both participating and other schools

3. Modes of Support

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

On-site collaboration and networking activities	At least 16 times of on-site support and networking activities • Conduct in-depth analysis of school needs and arrange lesson studies such as curriculum planning, collaborative lesson planning, lesson observation and post-lesson discussions to enhance teachers' professionalism through close exchange • The core teaching team participates in cross-school professional development activities, sharing and promoting effective practices and resources to facilitate professional exchanges among schools • Lead participating schools to design school-based curricula by analysing the needs of students, organising teaching materials, designing pedagogies

	and assignments, and conducting lesson observation. Establish an online learning community network for professional discussions and exchange • Organise theme-based teacher professional development activities, such as workshops, exchange classes, and courses for teachers on the use of equipment and tools typically used in STEAM education • Organise territory-wide disseminating seminar(s) for participating schools' Mathematic teachers to share project outcomes and accomplishments
STEAM Education Resouce Hub	• Open the STEAM Education Resource Hub regularly for teachers to use the equipment and tools there • Conduct regular teacher development activities • Organise a wide range of learning activities for primary students on a regular basis • Organise parent-child STEAM workshops, allowing parents and students to enjoy the experience of coding and making STEAM-related works

4. Points to note

- The duration of the support services normally lasts for one year
- Participating schools are expected to actively participate in the QTN activities, and lead the core teaching team to participate in this professional support service; to be responsible for liaising with the relevant support officers and making specific arrangements for the support service
- At least one representative should attend each QTN activity
- To fully utilise the support services, participating schools should:
  - nominate a panel head to coordinate the QTN activities
  - arrange regular timeslots to collaborate and exchange, e.g. periods for collaborative lesson planning and lesson observation
  - assign teachers to attend at least 2 training workshops and 4 networking activities
  - arrange teachers to participate in one Preparation Meeting, 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
- 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
- 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 owned by Quality Education Fund. Quality Education Fund 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.