

## **Title of School-based Support Service (On-site Support) (2024/25)**

Quality Education Fund Thematic Networks – Schools:  
Practising STEAM Education in General Studies to Enhance the  
Effectiveness of Students’ Learning of Science, Technology and  
Mathematics

### **1. Objectives**

The support service aims:

- to help teachers master in determining the teaching objectives, strategies and self-directed learning guidelines of STEAM education, and design related learning portfolios, assessment methods and rubrics
- to establish an interactive teacher professional learning community to let teachers share their teaching design and experience
- to let teachers help students solve problems in daily life with STEAM knowledge
- to nurture students’ perseverance, courage to innovate and an attitude of continuous improvement, and enhance their interest and curiosity in the world of science and technology, and concern about the impact of science and technology on society

### **2. Foci of Support**

- To assist teachers in understanding the rationale of pedagogical designs of STEAM education so that more diversified learning materials can be designed for students
- To assist teachers in further understanding students’ learning pace from student learning portfolios, and then enhance the effectiveness of learning and teaching
- To facilitate teachers’ use of assessment tools to promote students’ reflection and self-management

### **3. Modes of Support and Activities**

- Support personnel collaborate with the core teaching team through regular meetings (7 times or more in the school year) 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 (11 times or more in the school year), sharing and promoting effective practices and resources to facilitate professional exchanges among schools
- Participating schools participate in the Territory-wide STEAM Olympiad arranged by the Network Coordinating Organisation
- Participating schools attend two Executive Committee (EC) meetings and an annual dissemination seminar to share the good practices generated and effective ways to cope with challenges encountered

### **4. Points to note**

- Participating schools nominate 3-6 Primary Science/General Studies teachers as core members of the project to attend every support activity
- Please visit the QEF website (<https://qcrc.qef.org.hk/en/fund/activity.php?cate=8>) for details