

## **Quality Education Fund Thematic Networks – Schools (2023/24)**

### **Project Title:**

### **Constructing Mathematical Concepts and Fostering Students' Attitude Regarding Self-directed Learning through Enquiry Learning**

#### **1. Objectives**

The project aims:

- to widen teachers' repertoire of learning and teaching strategies so as to enhance students' learning interest and motivation, refine their learning strategies and strengthen their ability of understanding mathematical concepts
- to foster teachers' professional development by integrating theory, learning and teaching practices and reflection through lesson designs

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

- To share the experience of teaching different mathematical concepts using inquiry activities
- To share the experience of implementing TARGET (task, authority, recognition, grouping, evaluation and time) model and e-learning
- To help teachers adopt appropriate learning and teaching strategies to enhance students' interest and ability of learning Mathematics
- To enhance the professional capacities of teachers and to facilitate the leadership of the Mathematics subject panel

#### **3. Modes of Support**

- To provide onsite support and conduct lesson study including collaborative lesson planning, lesson observation and post-lesson discussion
- To conduct networking activities such as open lesson and workshops

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

- The duration of the support services normally lasts for one year
- Network coordinating school visits each participating school at least once per month
- Participating schools nominate one teacher-in-charge to liaise with the support team and the related Curriculum Development Officer
- Participating schools arrange regular timeslots (Tuesday or Thursday afternoons) for teachers concerned to attend meetings and participate in various professional development activities, e.g. collaborative lesson planning
- 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
- Participating teachers share with other teachers their experiences in school curriculum development and the materials and resources they develop, e.g. work plans, learning and teaching materials, research reports and student work. (The copyright of these materials will be owned by the Quality Education Fund.)
- Participating schools should comply with relevant laws, such as

compliance with the Copyright Ordinance in developing school-based learning and teaching materials

- Please visit the QEF website (<https://qcrq.qef.org.hk/en/fund/activity.php?cate=8>) for details

**5. Support Service Coordinator**

School-based Professional Support Section, Curriculum Support Division,  
Education Bureau