

## **Quality Education Fund Thematic Network (QTN)**

### **Implementing Computational Thinking and STEM Education in KS1 by Two Approaches**

#### **1. Support Service Co-ordinator**

Fung Kai Liu Yun Sum Memorial School

#### **2. Areas of Collaboration**

Curriculum development and learning and teaching of STEM education in primary schools

#### **3. Foci of Development**

QTN co-ordinator will support teachers of participating schools to promote and develop STEM education at schools. The foci of development are as follows:

- To promote STEM education and computational thinking at Mathematics in the lower primary level according to the needs of the school and students
- To develop lower primary school-based curriculum of STEM 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

#### **4. Modes of Exchange and Collaboration**

On-site support and network activities: QTN co-ordinator will support and collaborate with teachers of participating schools regularly for one school year through the followings:

- workshops
- reflection and evaluation meeting
- sharing session
- life-wide learning week
- lesson co-planning
- lesson observation

## **5. Expectations on Participating Schools**

To make good use of the support services, participating schools are expected to:

- create deliverables such as booklets on learning outcomes

## **6. Points to Note**

- The support services normally last for one year
- Active engagement of participating schools throughout the support services is expected
- All participating schools should appoint panel heads / deputy panel heads to be responsible for the liaison of QTN activities
- At least one representative should attend each QTN activity
- Participating schools are required to attend two Executive Committee (EC) meetings and an annual dissemination seminar to share the good practices derived and challenges faced

## **7. Enquiries**

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