

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 the lower primary level according to the needs of the school and students
- To develop school-based lower primary STEM education curriculum 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 participating schools regularly for one school year to collaborate with participating teachers in:

- 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 PSM(CD) / 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

Mr LIU Ka-wai

Fung Kai Liu Yun Sum Memorial School

Tel: 2677 2311

E-mail: liukw@fklys.edu.hk