

Quality Education Fund Thematic Network (QTN)

Implementing ‘Computational Thinking’ and ‘STEM Education’ by Two Approaches cum STEM Education Resource Hub

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 in the learning of Mathematics according to the needs of the school and students
- To develop 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
- conduct regular courses on the use of equipment and tools in STEM education
- open STEM Education Resource Hub regularly for teachers’ use

5. Expectations on Participating Schools

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

- produce 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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