

Quality Education Fund Thematic Network (QTN)

Developing and Promoting an Effective Learning Community for STEM Education – “Learning, Applying, Getting Feedback and Enhancing STEM Education”

1. Support Service Co-ordinator

Shun Tak Fraternal Association Yung Yau College

2. Areas of Collaboration

Curriculum development and learning and teaching of STEM education in primary and secondary 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 enhance teaching effectiveness in STEM education and innovation
- To establish a learning community to promote cross-school interaction and professional academic exchange so as to further enhance the effectiveness of STEM education in Hong Kong
- To deepen STEM education knowledge of participating students
- To enable participating schools to further implement STEM education and develop school-based teaching and learning approach
- To promote STEM education to other schools in Hong Kong

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 and teachers' lesson study
- joint school Internet of Things (IoT) competition
- joint school VEX robotics competition
- seminar
- on-site support
- on-site teachers' development day
- lesson observations and evaluations
- inter-school lesson observation and evaluation
- establishing the culture and the practice of lesson study

- forming a STEM education material discussion group

5. Expectations on Participating Schools

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

- develop a school-based curriculum for a learning unit, including: textbooks, coursework, lesson plans
- enhance the professional capability of participating teachers (lesson planning, teaching, application of technology)

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 curriculum development panel / panel heads to be responsible for the liaison of QTN activities
- At least two representatives 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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