

Quality Education Fund Thematic Network (QTN)

Integrating STEM into Environmental Education Curriculum

1. Support Service Co-ordinator

China Holiness Church Living Spirit College

2. Areas of Collaboration

Curriculum development and learning and teaching of environmental education with STEM education elements 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 launch learning activities for experiential learning enhancement
- To develop curriculum of environmental education with STEM education elements
- To raise students' awareness and care for the environment
- To foster the innovative mindset and develop genetic code course in the school-base environmental education
- To empower the participating schools in designing and promoting DNA-related activities and experiments

4. Modes of Exchange and Collaboration

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

- training workshops
- curriculum development meetings
- cross-school lesson preparation
- on-site support
- lesson observations and evaluations
- student sharing activities
- professional development network

5. Expectations on Participating Schools

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

- raise teachers' and students' awareness towards STEM and environmental education

- create a series of school-based curriculum and activities of environmental education with STEM education elements
- participate in year-end sharing session with students' sharing
- consolidate all learning and teaching materials as printed exemplar and publish on website as a reference for other schools

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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