Quality Education Fund Thematic Network (QTN)

AI STEM Education Curriculum cum STEM Education Resource Hub

1. **Support Service Co-ordinator**

   Hong Kong Sheng Kung Hui Bishop Hall Secondary School

2. **Areas of Collaboration**
   - Curriculum development and learning and teaching of STEM education in primary schools
   - Provision of various services and activities as a regional STEM Education Resource Hub

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 develop STEM education with Artificial Intelligence (AI)
   - To establish design thinking application tools for STEM education
   - To foster students' growth mindset and creative thinking through design tasks
   - To support the development of STEM Education in schools by setting up a regional STEM Education Resource Hub

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:
   - training workshops
   - seminars
   - on-site support
   - lesson observation and evaluation
   - company visits

   As a regional STEM Education Resource Hub, our school will:
   - open our special room to the public
   - conduct teachers' professional development activities regularly
   - organise a variety of learning activities for primary and secondary school students
   - organise STEM activities for parents and students to enjoy the experience of coding and making STEM products

5. Expectations on Participating Schools

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

- consolidate all learning and teaching materials as printed exemplar and publish on website as a reference for other schools
- enhance the professional competency of all participating teachers (awareness of AI technology, curriculum design and teaching strategies for STEM activities)
- research on teachers' STEM literacy development

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 head 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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