

Quality Education Fund Thematic Network (QTN)

Robot in STEM Education cum STEM Education Resource Hub

1. Support Service Co-ordinator

Buddhist Ho Nam Kam College

2. Areas of Collaboration

- Curriculum development and learning and teaching of STEM education in primary schools
- Sharing use of STEM Resource Hub for student activities, teachers' professional training and sharing

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 improve teachers' use of robots as an effective carrier of STEM education
- To facilitate teachers to carry out STEM education at the upper primary level through robotic activities and to arouse students' interest in STEM education through assembling robots and joining competitions
- To improve teachers' ability to create different robots with the support of high-end equipment through robot assembling workshops and seminars

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
- curriculum planning meeting
- on-site support
- provide assistance for teachers in using the tools of the STEM Education Resource Hub

5. Expectations on Participating Schools

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

- produce deliverables, such as demonstration slides for assembling robot, exemplars on teaching plan and samples on students' work, etc.

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

Mr CHEUNG Ka-chun

Vice Principal

Buddhist Ho Nam Kam College

Tel: 2340 7461

E-mail: cheungkc@bhnkc.edu.hk