

Quality Education Fund Thematic Network (QTN)

Facilitating STEM Education at the Upper Primary Level through Robotic Activities

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

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 competition
- 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

5. Expectations on Participating Schools

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

- create deliverables such as demonstration powerpoint for assembling robot, exemplars on teaching plan and samples on students' work

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