

Title of Support Service:

Quality Education Fund Thematic Network (QTN) – Robot in STEAM cum STEAM Education Resource Hub (2023/24)

1. Objectives

This support service aims to:

- Promote STEAM education through equipping teachers of participating schools with the knowledge and skills of designing robotic-related learning activities to arouse students’ interest in STEAM education.
- Enhance teachers’ professional development by conducting regular inter-school sharing and discussion sessions.
- Maintain the established learning community under the QTN after the completion of this QTN so as to sustain professional exchange and development among teachers.
- Allow teachers and students of participating schools and other schools to use the equipment purchased under the STEAM Education Resource Hub established by the co-ordinating school continuously.

2. Foci of Support

- To improve teachers’ use of robots as an effective carrier of STEAM education
- To facilitate teachers to carry out STEAM education at the upper primary level through robotic activities and to arouse students’ interest in STEAM 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

3. Modes of Support

- QTN co-ordinator will support and collaborate with teachers of participating schools, details are as follows:

On-site collaboration and Networking Activities	At least 10 times on-site support and networking activities <ul style="list-style-type: none">• Conduct in-depth analysis of school needs, lesson study such as curriculum planning, collaborative lesson planning, lesson observation and post-lesson discussion to enhance teacher professionalism through close exchange• Organise professional development activities such as workshops and lesson demonstration• Develop school General Studies curriculum and teaching resources of two units for sharing, e.g. lesson plans and learning and teaching materials• Participate in the sharing in learning community activities and territory-wide dissemination seminar for interschool exchange
STEAM Education Resouce Hub	<ul style="list-style-type: none">• Open our special room to the public• Conduct teachers’ professional development activities• Organise a variety of learning activities for primary and secondary school students

4. Points to note

- The duration of the support services normally lasts for one year.
- Active engagement of participating schools throughout the support services is expected.
- At least one representative should attend each QTN activity.
- To fully utilise the support services, participating schools should:
 - nominate panel head / deputy panel head to be responsible for the liaison of QTN activities.
 - arrange regular timeslots for teachers to collaborate and exchange, e.g. periods for collaborative lesson planning and lesson observation.
 - arrange teachers to participate in two Executive Committee (EC) meetings and a territory-wide dissemination seminar to share their successful experiences in school curriculum development and the learning and teaching materials developed under collaboration.
- Participating schools should comply with relevant laws, such as compliance with the Copyright Ordinance in developing school-based learning and teaching materials.

5. Enquiries

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