

**Title of Support Service:
Quality Education Fund Thematic Network (QTN) – Science in ACTION :
Facilitating STEAM Education in Primary/Secondary Schools (2023/24)**

1. Objectives

This support service aims to:

- Promote STEAM education to primary and secondary schools with the use of science packages, micro-controllers and sensors.
- Enhance teachers’ and students’ interest in learning science through the participation in various activities.
- Develop a professional learning community across secondary and primary schools so as to bridge STEAM education in different learning stages.

2. Foci of Support

- To promote STEM education to primary and secondary schools by using science package, micro:bit controller and sensors
- To set up an online platform for the Remote Laboratory
- To run a 3-year plan and establish a STEAM education activity exchange platform based on the “Science Education Key Learning Area Curriculum Guide (P1-S6)” for teachers and to bridge STEAM education between primary and secondary schools
- To design and create products for the community and address the needs of the under-privileged

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	<p>At least 23 times of on-site support and networking activities</p> <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 STEAM 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
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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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