

**Title of School-based Support Service (2025/26)**  
**Quality Education Fund Thematic Network (QTN) –**  
**“Little Spark, Make it Great” STEAMaker Centre - Developing students’**  
**generic skills and positive values through STEAM project-based learning under**  
**curriculum reform**

**1. Objectives**

The support service aims to:

- enhance curriculum leadership and professional level of the teachers of participating schools by adopting train-the-trainer approach with a focus on nurturing curriculum leaders
- help participating schools develop school-based STEAM curriculum and activities
- carry out the related learning and teaching activities using different devices and hardware
- introduce the educational concept of “Maker” in school setting
- construct STEAM project-based learning to align with the latest curriculum reform

**2. Foci of Support**

- Develop school-based STEAM education curriculum and activities
- Carry out STEAM educational activities by using different equipment and hardware
- Introduce concept of STEAMaker into school setting

**3. Modes of Support**

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

On-site collaboration and Networking Activities	<p>At least 14 times of on-site support and networking activities</p> <ul style="list-style-type: none"> <li>• Share the learning and teaching foci of Maker - and the relevant experience of co-ordinating school. Introduce different equipments to the teachers of participating schools through visits to “Makerspace”</li> <li>• The core teaching teams participate in cross-school professional development activities to share and promote effective practices and resources with a view to facilitating professional exchanges among schools</li> <li>• Organise Maker experiential workshops to let teachers experience more “hands-on” learning and teaching activities as well as different equipment and tools in “Makerspace”</li> <li>• 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</li> </ul>
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	<ul style="list-style-type: none"> <li>• Organise professional development activities such as workshops and lesson demonstration</li> <li>• Develop school Maker-centered curriculum, support participating schools to carry out at least one Maker-centered project and provide teaching resources, e.g. lesson plans and learning and teaching materials</li> <li>• Lend out “Makerspace” and related equipment and resources</li> <li>• Provide different STEAMaker equipment, e.g. laser-cutter and 3D printer, with technical support to help participating schools establish school-based “Makerspace”</li> <li>• Arrange networking meetings to share successful experience and the challenges faced Participate in the sharing during learning community activities and territory-wide dissemination seminar for interschool exchange</li> </ul>
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#### 4. Points to note

- The duration of the support services normally lasts for one year.
- Participating schools to nominate 1-2 teachers to actively engage in the support services
- 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 coordinate QTN activities
  - arrange regular timeslots for teachers to collaborate and exchange, e.g. periods for collaborative lesson planning and lesson observation
  - assign teachers attend at least 3 training workshops and 2 networking activities
  - assign at least one form of students to participate in one STEAMaker or STEAM education-related project
  - arrange teachers to participate in two Executive Committee (EC) meetings and a territory-wide dissemination seminar to share their successful experience and the learning and teaching materials developed under collaboration
- Design teaching materials for at least one STEAM activity
- Allow support officers to collect materials including video clips and photographs of learning activities, teachers’ reflection and student work during the support period for professional discussion
- Encourage the core teaching team to disseminate successful experience, within and across schools, in school curriculum development and the learning and teaching resources co-developed (The copyright of these materials will be owned by Quality Education Fund. Quality Education Fund also reserves the right to compile and modify these materials for educational promotion purposes)
- Participating schools should comply with relevant laws, such as compliance with the Copyright Ordinance in developing school-based learning and teaching materials

**5. Enquiries**

Contact person:

Support Service Coordinator:

Telephone number:

E-mail:

Mr CHAN Wai-lun / Mr LAU Wai-shing  
Yan Chai Hospital Lan Chi Pat Memorial  
Secondary School

2720 9033

cwlbelly@gmail.com /

lcp-lws@lcp.mysch.net