

Quality Education Fund Thematic Networks – Schools (2023/24)

Project Title:

Hands & Brains-on: Promoting STEAM Education and Applying HOTS (High Order Thinking Skills) in General Studies

1. Objectives

The project aims:

- to assist participating schools in promoting STEAM education in General Studies so as to facilitate the connection among the Science, Technology, Arts and Mathematics Education Key Learning Areas (KLAs)
- to assist teachers in designing hands-on and brains-on STEAM education activities so as to enhance students' ability in integrating and applying knowledge and skills in different KLAs
- to assist participating schools in promoting HOTS (High Order Thinking Skills) in General Studies
- to assist participating schools to cultivate positive values of students through STEAM education

2. Foci of Support

- To introduce the STEAM education framework, curriculum content and related learning activities of the network co-ordinating school
- To assist participating schools in activating or developing STEAM education, designing school curriculum, science and technology inquiry activities and planning subject-based and cross-curricular STEAM Education plans through regular workshops and onsite support activities
- To assist participating schools in designing STEAM-related project learning activities with one school level as a starting point

3. Modes of Support

- To provide onsite support and conduct lesson study including collaborative lesson planning, lesson observation and post-lesson discussion
- To conduct networking activities such as open lesson, workshops and sharing session

4. Points to note

- The duration of the support services normally lasts for one year
- Participating teachers are interested in school curriculum design and keen on promoting STEAM education
- Participating schools nominate one teacher-in-charge to liaise with the support team and the related Curriculum Development Officer
- Participating schools arrange regular timeslots for teachers concerned to attend meetings and participate in various professional development activities, e.g. collaborative lesson planning
- Participating schools attend two Executive Committee (EC) meetings and an annual dissemination seminar to share the good practices generated and effective ways to cope with challenges encountered
- Participating teachers share with other teachers their experiences in school curriculum development and the materials and resources they develop, e.g.

work plans, learning and teaching materials, research reports and student work. (The copyright of these materials will be owned by the Quality Education Fund.)

- Participating schools should comply with relevant laws, such as compliance with the Copyright Ordinance in developing school-based learning and teaching materials
- Please visit the QEF website (<https://qcr.qef.org.hk/en/fund/activity.php?cate=8>) for details

5. Support Service Coordinator

School-based Professional Support Section, Curriculum Support Division,
Education Bureau