

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

Project Title:

Unleashing Students’ Potential through Developing Cross-curricular STEAM Learning Activities

1. Objectives

The project aims to enhance teachers’ capacity:

- in designing and implementing cross-curricular activities on STEAM education so as to strengthen the coherence and collaboration among teachers of the Science, Technology, Arts and Mathematics Education KLAs to promote the development of STEAM education
- in consolidating students' subject knowledge and unleashing their potential in innovation through STEAM learning activities
- in developing the ability of students to integrate and apply their knowledge and skills across different subject disciplines for problem solving, as well as cultivating their interests in subjects related to STEAM education

2. Foci of Support

- To develop diversified cross-curricular learning activities related to STEAM education with the participating schools based on the interests and needs of their students;
- To share how to strengthen students’ ability to integrate and apply knowledge and skills of different disciplines so as to unleash their potential in innovation, e.g. leading students to take part in local, national and international science/technology competitions
- To help teachers master the key points of designing and implementing STEAM-related learning activities through the demonstration of STEAM educational learning activities

3. Modes of Support

- To provide onsite support including enhancing school curriculum, cross-curriculum planning, project sharing, developing teaching materials or learning activities, theme-based meeting and conduct lesson study such as collaborative lesson planning, lesson observation and post-lesson discussion
- To conduct networking activities such as open lesson and workshops
- To establish a professional learning community with participating school teachers to exchange and share valuable experiences

4. Points to note

- The duration of the support services normally lasts for one year
- Participating schools should form a teacher collaboration team with teachers of Mathematics, Science, Arts and Technology Education KLAs. One of the team members should be the teacher-in-charge to liaise with the support team and the related Curriculum Development Officer
- Target participants of the cross-curricular activities will mainly be S1-3 students

- 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://qcrq.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