Title of School-based Support Service (2026/27):

Quality Education Fund Thematic Network projects (QTN projects) —

Promotion of STEAM Education through the School-based Science and Bio-technology Curricula

1. Objectives

The support service aims to:

- Enhance curriculum leadership and professional level of teaching team for participating schools through train-the-trainer approach and with a focus on nurturing curriculum leaders.
- Provide professional training and support to teachers and laboratory technicians of participating schools on bio-technology and STEAM education
- Support teachers in developing biotechnology and STEAM education learning and teaching activities for primary and junior science curriculum, and senior secondary biology curriculum, so as to enhance students' knowledge and practical skills in biotechnology, as well as their creativity and problem solving skills
- Establish an interactive learning community to promote interschool interaction and professional exchange on professional technological innovation
- Strengthen science teachers' capacity to integrate AI into instruction, foster innovation in teaching, and improve students' learning outcomes.
- Promote bio-technology and STEAM education in the participating schools, the secondary school sector and in Hong Kong

2. Foci of Support

- To promote interschool interactions, professional sharing and exchange by organising various teacher professional development activities such as visits to biotech laboratories, seminars, workshops and experience sharing of the network coordinating school
- To co-plan lessons with participating teachers and develop a school-based curriculum related to bio-technology and STEAM education, develop and design related learning activities and explore related inquiry-based learning and teaching strategies

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	At least 20 times of on-site support and networking activities • Support officers collaborate with the core teaching team through regular meetings to develop the school curriculum and conduct collaborative lesson planning, lesson observation and post-lesson discussion • The core teaching team participates in cross-school professional development activities, sharing and promoting effective practices and resources to facilitate professional exchanges among schools • Arrange networking activities, such as seminars, workshops, cross-school lesson observation and post-lesson discussion etc. for interschool exchange

	• Assist teacher and students from the participating schools to take part in inter-school competition

4. Points to note

- The duration of the support services normally lasts for one year.
- Active engagement of participating schools throughout the support services with 1-2 teachers is expected. The teacher(s) ought to lead the core teaching team's participation in this professional support service; to be responsible for liaising with the relevant support officer and making specific arrangements for the support service
- 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, lesson observation and post-lesson discussion as well as reviewing student learning outcomes, thereby strengthening collaboration and communication among teachers. Support officers will participate in various sessions and provide feedback to facilitate the professional development of teachers.
  - assign teachers to attend at least 3 training workshops and 2 networking activities.
  - assign at least one form of students to participate in one STEAM education related project.
  - arrange teachers to participate in one Preparation Meeting, 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.
- 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 experiences in school curriculum development and the learning and teaching resources co-developed within and across schools (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.