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

Quality Education Fund Thematic Network projects (QTN projects) —
Curriculum Planning on Primary Science: Aerospace Technology and Engineering Design

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
- establish a cross-school professional exchange network to enhance teachers' confidence and capability in teaching and planning Primary Science Curriculum
- provide support to schools during their initial stage of implementating Primary Science, particularly in curriculum planning, implementation, and evaluation, with a focus on 'Aerospace Technology' and 'Engineering Design'
- assist schools in planning cross-curricular learning activities, advancing STEAM education through the collaboration between Primary Science and other subjects
- incorporate artificial intelligence (AI) elements into cross-curricular materials as digital education evolves, enabling students to understand the application and impact of AI in the real-world so as to better equip them for future challenges
- share with schools the coordinating school's experience in implementating Primary Science Curriculum

2. Foci of Support

- To share with school the administrative arrangements of launching Primary Science, including timetable allocation, resource distribution, as well as the implementation and assessment methodologies; formulate strategies and directions with schools for developing professional Primary Science teaching teams; plan Primary Science Curriculum in accordance with the Science (Primary 1 to Primary 6) Curriculum Guide
- To select Aerospace Technology topics for collaborative lesson planning complemented by engineering design activities; arrange cross-school lesson observations and discussions to foster exchange and reflection among teachers regarding Aerospace Technology and planning of Engineering Design curriculum
- To enhance collaboration between Primary Science and other STEAM-related subjects, providing students with opportunities to integrate knowledge and skills across disciplines in authentic contexts
- To organise professional learning communities to foster mutual support, experience sharing, and professional dialogue
- To share experience in preparing the launch of Primary Science with other primary schools through demonstration lessons and showcase events

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 19 times of on-site support and networking activities • Analyse school needs and conduct collaborative lesson planning and interdisciplinary thematic workshops by using the Education Bureau's Primary Science teaching materials and Aerospace Technology themes • The core teaching team participates in cross-school professional development activities, sharing and promoting effective practices and resources to facilitate professional exchanges among schools • Conduct lesson observations and discussions to enhance teachers' professionalism through close collaboration • Organise professional development activities, including thematic seminars, cross-school teacher workshops and teaching demonstration • Conduct sharing sessions to share relevant experience with all primary schools in Hong Kong • Establish a resource bank for participating schools to share teaching resources

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 a panel head or 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
  - 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 to facilitate 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