

## **Quality Education Fund Thematic Networks – Schools (QTN–S) (2022/23)**

### **Project Title:**

### **Implementing AI in STEM Education & Social Intelligence, through Refining School-based Curriculum and Establishing Structured Professional Learning Community**

#### **1. Support Service Coordinator**

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

#### **2. Network Coordinating School**

Lok Sin Tong Yu Kan Hing Secondary School

#### **3. Objectives**

The project aims:

- to assist participating schools in designing and implementing Artificial Intelligence (AI) in STEM education through refining school-based curriculum and establishing structured professional learning community in Technology Education and Science Education according to school context, and promoting students' learning and application of STEM education and AI, based on the rich experience of the networking coordinating school
- to form professional collaborative platforms for participating schools to develop sustainable STEM education and AI education

#### **4. Foci of Support**

- To support the participating schools in launching AI in STEM education, and develop a long-term and sustainable development plan
- To promote professional exchange among participating teachers and strengthen the collaboration among teachers of different KLAs through on-site support, so as to promote AI in STEM education more effectively
- To organise professional development activities such as sharing sessions by different experts from universities and related industries so as to enhance the professional capacity of participating teachers and facilitate the promotion of AI in STEM education in schools

#### **5. Modes of Support**

- To conduct on-site support including thematic talks, lesson study, development of learning materials and activities, and cross-subject school-based curriculum planning
- To exchange and share the resources of implementing AI in STEM education on Cloud platforms
- To establish an AI in STEM education learning community with the network coordinating school as the node by organising network activities, and promoting the connection and collaboration among the industry, universities, experts in the areas and schools

#### **6. Expectations on Participating Schools**

- Participating teachers are committed to promoting AI in STEM education so as to enhance students' innovation

- Teachers of different KLAs of the participating schools are willing to promote the integration of AI in STEM education, and to establish an active STEM education development team
- Participating schools nominate one teacher-in-charge to liaise with the support team and the related Curriculum Support 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-based 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 observe strictly their legal obligations and, in all cases, comply with the Copyright Ordinance in developing school-based learning and teaching materials