

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

### **Project Title:**

### **Unleashing Students’ Potential through Developing Cross-curricular STEM Learning Activities**

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

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

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

Maryknoll Fathers’ School

#### **3. Objectives**

The project aims to enhance teachers’ capacity:

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

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

- To develop S1 – S3 diversified cross-curricular STEM learning activities with participating schools based on students’ interests and needs
- To share the strategies in strengthening students’ ability to integrate and apply knowledge and skills of different disciplines so as to unleash students’ potential in innovation

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

- To co-plan with participating teachers in developing diversified cross-curricular STEM learning activities and conduct interschool lesson observations to promote professional exchange
- To share the experience in supporting students to take part in local, national and international science/technology research and competitions

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

- Participating schools form a core team with teachers of Mathematics, Science and Technology Education KLAs with one of the core team members being the teacher-in-charge to liaise with the network coordinating school and the related Curriculum Support Officer
- 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