**STEM Education**

**Members:**

Dr So Wing Wah Simon (Group Leader)

Dr So Chi Fuk Henry (Group Co-Leader)

Dr Chan Wing Sum

Dr Cheng Kell Hiu Fai

Dr Cheng Kwok Shing Gary

Mr Chui Hin Leung Mike

Dr Lam Wai Man Winnie

Dr Lai Yiu Chi

Dr Ling Man Ho Alpha

Mr Mau Yuk Lun Methew

Dr Song Yanjie

Dr Sun Daner

Dr Yuen Man Wai

**Aim:**

This special interest group aims to gather individual members of this department to pursue significant long-term research interest on STEM Education. The research group provides opportunities for the departmental members and external members to network, share ideas, experience and knowledge, collaborate, learn and open new research in STEM-related areas.

**Themes:**

The primary emphasis of the group is on STEM education including the following areas but not limited to

* Technological innovation in STEM education
* Pedagogical approaches to STEM teaching
* Curriculum and integration for STEM learning
* Assessment *of*, *for* and *as* learning in STEM outcomes
* Scholarly transdisciplinary research and development in STEM disciplines
* Foci of STEM advocacy: Motivation, authentic problem solving, innovation and creativity, digital literacy, engineering design, scientific inquiry, maker space, physical computing, computational thinking, transdisciplinary learning, experiential learning, knowledge co-construction, collaboration, diversity, equity, leadership, and more.

**Activity Plan:**

The following activities are proposed:

* Hold informal research group gatherings to develop research ideas and share latest development in STEM Education;
* Organize seminars and workshops on STEM Education; and
* Invite local, regional and international scholars to present talks related to STEM Education.