

Collaborative Research & Development (“Seed”) Project for 2022/23

Section	Mathematics Education	
Title of the Project (Project Code)	Promoting STEM Education in Primary Mathematics and to cultivate Students’ Ability of Computational Thinking (MA0822)	
Class Level (Please check and ✓ the appropriate box.)	<input type="checkbox"/> Kindergarten <input type="checkbox"/> Secondary Please specify levels: _____	<input checked="" type="checkbox"/> Primary <input type="checkbox"/> Primary and Secondary _____
Brief Description (e.g. Objectives, expected outcomes)	The project aims at promoting STEM education in primary Mathematics and cultivating students’ ability in computational thinking. The objectives and expected outcomes of the project are: <ul style="list-style-type: none"> ● to promote STEM education with the use of the lesson time allocated to the Further Learning Unit or Spare Periods in primary Mathematics curriculum; ● to foster students’ ability to integrate and apply knowledge and skills through various topics in primary Mathematics and to cultivate students’ ability in computational thinking; ● to enhance students’ ability in applying mathematics to solve problems of different contexts; ● to share the experiences of the participating schools through the professional development programmes; and ● to develop examples related to STEM education. 	
Key Emphases (Please check and ✓ the appropriate box(es). You can choose more than one box.)	Dimension	<input checked="" type="checkbox"/> Curriculum planning <input checked="" type="checkbox"/> Learning and Teaching <input checked="" type="checkbox"/> Assessment
	Focus	<input type="checkbox"/> Values Education (including MCE, NSE & BLE) <input type="checkbox"/> Chinese history & Chinese culture <input type="checkbox"/> Reading / Language across the Curriculum <input checked="" type="checkbox"/> STEM & IT Education <input type="checkbox"/> Entrepreneurial Spirit <input type="checkbox"/> Life-wide Learning <input type="checkbox"/> Gifted Education <input type="checkbox"/> L&T of Chinese as a second language <input type="checkbox"/> Catering for Learner Diversity <input type="checkbox"/> Self-directed Learning <input type="checkbox"/> Whole-person Development <input type="checkbox"/> Others (please specify *) _____
Deliverables (Please check and ✓ the appropriate box(es). You can choose more than one box.)	<input type="checkbox"/> Exemplars to be used for curriculum documents <input checked="" type="checkbox"/> Learning & teaching packages, self-learning packages for teachers <input checked="" type="checkbox"/> Workshops and seminars <input type="checkbox"/> Others (please specify) : _____	

Duration and Nature of the Project	From <u> 09 </u> mm <u> 22 </u> yy to <u> 08 </u> mm <u> 23 </u> yy <input checked="" type="checkbox"/> New <input type="checkbox"/> Ongoing (started from <u> </u> mm <u> </u> yy)	
Name of Advisor(s) / Consultant(s) to be invited	/	
Officer i/c	Name: YIP Po-shing	Post: CDO(Ma)5
	Tel No.: 2153 7457	Fax No.: 3426 9265

Please use a separate sheet for each project.