

## Collaborative Research & Development (“Seed”) Project for 2023/24

<b>Section</b>	Mathematics Education Section	
<b>Title of the Project (Project Code)</b>	Promoting STEAM Education in Primary Mathematics and to cultivate Students’ Ability of Computational Thinking (MA0823)	
<b>Class Level</b> (Please check and √ the appropriate box.)	<input type="checkbox"/> Kindergarten <input checked="" type="checkbox"/> Primary <input type="checkbox"/> Secondary <input type="checkbox"/> Primary and Secondary Please specify levels: _____	
<b>Brief Description</b> (e.g. Objectives, expected outcomes)	The project aims at promoting STEAM 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"> <li>● to promote STEAM education with the use of the lesson time allocated to the Further Learning Unit or Spare Periods in primary Mathematics curriculum;</li> <li>● 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;</li> <li>● to enhance students’ ability in applying mathematics to solve problems of different contexts;</li> <li>● to share the experiences of the participating schools through the professional development programmes; and</li> <li>● to develop examples related to STEAM education.</li> </ul>	
<b>Key Emphases</b> (Please check and √ the appropriate box(es). You can choose more than one box.)	<b>Dimension</b>	<input checked="" type="checkbox"/> Curriculum planning <input checked="" type="checkbox"/> Learning and Teaching <input checked="" type="checkbox"/> Assessment
	<b>Focus</b>	<input type="checkbox"/> Values Education (including moral and civic education, national security education & Basic Law education) <input type="checkbox"/> Chinese history & Chinese culture <input type="checkbox"/> Reading / Language across the Curriculum <input checked="" type="checkbox"/> STEAM & 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)_____

<b>Deliverables</b> (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) : _____	
<b>Duration and Nature of the Project</b>	<b>From</b> 09 <b>mm</b> 23 <b>yy</b> <b>to</b> 08 <b>mm</b> 24 <b>yy</b> <input type="checkbox"/> <b>New</b> <input checked="" type="checkbox"/> <b>Ongoing</b> (started from    09 <b>mm</b> 22 <b>yy</b> )	
<b>Name of Advisor(s) / Consultant(s) to be invited</b>	N.A.	
<b>Officer i/c</b>	<b>Name:</b> CHAN Man-to	<b>Post:</b> CDO(Ma)10
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# Please use a separate sheet for each project.