

## Collaborative Research & Development (“Seed”) Project for 2019/20

<b>Section</b>	Mathematics Education
<b>Title of the Project</b>	Promoting STEM Education in Primary Mathematics to Foster Students’ Ability to Integrate and Apply Knowledge and Skills
<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: <u>    P1 – 6    </u>
<b>Brief Description</b> (e.g. Objectives, expected outcomes)	<p>The project aims at promoting STEM education in primary Mathematics to foster students’ ability to integrate and apply knowledge and skills.</p> <p>The objectives of the project are:</p> <ul style="list-style-type: none"> <li>● to promote STEM 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</li> <li>● to share the experiences of the participating schools through the professional development programmes</li> <li>• to develop examples related to STEM education</li> </ul>
<b>Key Emphases</b> (Please check and ✓ the appropriate box(es). You can choose more than one box.)	<input checked="" type="checkbox"/> Curriculum planning, learning, teaching and assessment strategies <input checked="" type="checkbox"/> Development of generic skills in an integrative approach through learning activities <input type="checkbox"/> Four key tasks (project learning, reading to learn, moral and civic education, and information technology for interactive learning) <input checked="" type="checkbox"/> Major Renewed Emphases (strengthening values education (including moral and civic education, and Basic Law education), reinforcing the learning of Chinese history and Chinese culture, extending “Reading to Learn” to “Language across the Curriculum”, promoting STEM education and ITE, fostering an entrepreneurial spirit, diversifying life-wide learning experiences (including those for VPET), stepping up gifted education, enhancing the learning and teaching of Chinese as a second language) <input type="checkbox"/> Others, please specify* : _____ _____
<b>Deliverables</b> (Please check and ✓ the appropriate box(es). You can choose more than one box.)	<input checked="" type="checkbox"/> Exemplars to be used for curriculum documents <input 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> <u>    Sept    </u> <b>mm</b> <u>    2019    </u> <b>yy</b> <b>to</b> <u>    Aug    </u> <b>mm</b> <u>    2020    </u> <b>yy</b> <input checked="" type="checkbox"/> <b>New</b> <input type="checkbox"/> <b>Ongoing</b> (started from    _____ <b>mm</b> _____ <b>yy</b> )

<b>Name of Advisor(s) / Consultant(s) to be invited</b>	Not Applicable	
<b>Officer i/c</b>	<b>Name:</b> Mr YIP Po-shing	<b>Post:</b> CDO(Ma)5
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# Please use a separate sheet for each project.

\* e.g. catering for learner diversity, experiential learning, self-directed learning, whole-person development, interdisciplinary learning, etc.