

## Collaborative Research & Development (“Seed”) Project for 2020/21

<b>Section</b>	Mathematics Education Section	
<b>Title of the Project</b>	Exploration and Development of Strategies for Catering for Learner Diversity in the Learning, Teaching and Assessment of the Revised Secondary Mathematics Curriculum	
<b>Class Level</b>	<input type="checkbox"/> Kindergarten <input type="checkbox"/> Primary <input checked="" type="checkbox"/> Secondary <input type="checkbox"/> Primary and Secondary Please specify levels: <u>    S1 – 6    </u>	
<b>Brief Description</b>	<p>This project aims to</p> <ul style="list-style-type: none"> <li>● enhance teachers’ understanding of the emphases and learning content of the revised secondary Mathematics curriculum (SMC);</li> <li>● develop teachers’ competence in designing and developing learning and teaching materials and assessment tasks for topics in the revised SMC to cater for students’ learner diversity;</li> <li>● develop a learning community of Mathematics teachers on sharing learning and teaching as well as assessment resources to enhance learning and teaching effectiveness in secondary Mathematics;</li> <li>● capture and disseminate good practices in developing suitable tasks to enhance learning and teaching of the revised SMC.</li> </ul> <p>Expected Outcomes</p> <ul style="list-style-type: none"> <li>● Participating schools will develop suitable learning and teaching materials and assessment tasks to enhance student’s interest in learning mathematics and to cater for different students’ learning needs.</li> <li>● A learning circle within the participating schools for the project will be formed. Through sharing sessions, teachers of the participating schools will share, and learn from each other’s noteworthy practices in using various tasks and resources to enhance the learning and teaching of Mathematics.</li> <li>● Students participated in the project will benefit from using suitable learning resources and assessment tasks to enhance their learning of mathematics.</li> </ul>	
<b>Key Emphases</b>	<b>Dimension</b>	<input type="checkbox"/> Curriculum planning <input checked="" type="checkbox"/> Learning and Teaching <input checked="" type="checkbox"/> Assessment
	<b>Focus</b>	<input type="checkbox"/> Project Learning <input type="checkbox"/> Reading / Language across the Curriculum <input type="checkbox"/> Values Education (including MCE & BLE) <input type="checkbox"/> Chinese history & Chinese culture <input checked="" type="checkbox"/> STEM & IT Education <input type="checkbox"/> Entrepreneurial Spirit <input type="checkbox"/> Life-wide Learning <input type="checkbox"/> Whole-person Development

	<input checked="" type="checkbox"/> Self-directed Learning <input checked="" type="checkbox"/> Catering for Learner Diversity <input type="checkbox"/> Others (please specify *) _____	
<b>Deliverables</b>	<input checked="" 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> _____ <b>Sept</b> _____ <b>mm</b> 2020 <b>yy</b> <b>to</b> _____ <b>Aug</b> _____ <b>mm</b> 2021 <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>	--	
<b>Officer i/c</b>	<b>Name:</b> Mr CHENG Sze-man	<b>Post:</b> Curriculum Development Officer (Mathematics Education) 9
	<b>Tel No.:</b> 2153 7436	<b>Fax No.:</b> 3426 9265

\* e.g. Gifted Education, L&T of Chinese as a 2nd language, curriculum interface