

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

Section	Mathematics Education Section	
Title of the Project	Promoting STEM Education in Primary Mathematics to Foster Students’ Ability to Integrate and Apply Knowledge and Skills	
Class Level	<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>	
Brief Description	<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 and expected outcomes of the project are:</p> <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 • to share the experiences of the participating schools through the professional development programmes • to develop examples related to STEM education 	
Key Emphases	Dimension	<input checked="" type="checkbox"/> Curriculum planning <input checked="" type="checkbox"/> Learning and Teaching <input checked="" type="checkbox"/> Assessment
	Focus	<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 type="checkbox"/> Self-directed Learning <input type="checkbox"/> Catering for Learner Diversity <input type="checkbox"/> Others (please specify *) _____
Deliverables	<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) : _____	
Duration and Nature of the Project	From <u> Sept </u> mm <u> 2020 </u> yy to <u> Aug </u> mm <u> 2021 </u> yy <input type="checkbox"/> New <input checked="" type="checkbox"/> Ongoing (started from <u> Sept </u> mm <u> 2019 </u> yy)	

Name of Advisor(s) / Consultant(s) to be invited	--	
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* e.g. Gifted Education, L&T of Chinese as a 2nd language, curriculum interface