

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

Section	Mathematics Education Section
Title of the Project	Exploration and Development of Strategies for Enhancing the Learning and Teaching Effectiveness of the Revised Secondary Mathematics Curriculum
Class Level (Please check and ✓ the appropriate box.)	<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>
Brief Description (e.g. Objectives, expected outcomes)	<p>This project aims to</p> <ul style="list-style-type: none"> ● enhance teachers’ understanding of the emphases and learning content of the revised secondary Mathematics curriculum; ● develop teachers’ competence in designing and developing learning and teaching strategies and resources, especially those involve IT, to motivate students in learning mathematics; ● develop a learning community of Mathematics teachers on sharing learning and teaching resources to enhance learning and teaching effectiveness in secondary Mathematics; ● capture and disseminate good practices in developing suitable tasks to enhance learning and teaching of the revised secondary Mathematics curriculum <p>Expected Outcomes</p> <ul style="list-style-type: none"> ● Participating schools will benefit from the process of developing suitable learning tasks and/or e-learning materials to enhance student’s learning in secondary Mathematics. ● A learning circle within the participating schools for the project will be formed. Through sharing sessions, teachers of the participating schools will share, exchange and learn from each other’s noteworthy practices in using various developed tasks and resources/e-resources to enhance the effectiveness of learning and teaching of Mathematics. ● Students participated in the project will benefit from using suitable tasks and learning resources to enhance their mathematics knowledge and self-directed learning skills.
Key Emphases (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 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 checked="" type="checkbox"/> Others, please specify* : <u>Use of IT will be incorporated whenever appropriate.</u>	
Deliverables (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) : _____	
Duration and Nature of the Project	From _____ Sept _____ mm <u>2019</u> yy to _____ Aug _____ mm <u>2020</u> yy <input type="checkbox"/> New <input checked="" type="checkbox"/> Ongoing (started from _____ Sept _____ mm <u>2018</u> yy)	
Name of Advisor(s) / Consultant(s) to be invited	Not Applicable	
Officer i/c	Name: Mr CHENG Sze-man	Post: CDO(Ma)9
	Tel No.: 2153 7436	Fax No.: 3426 9265

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.