

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

<b>Section</b>	Kindergarten and Primary Section
<b>Title of the Project</b>	Implementing STEM Education through Primary General Studies
<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>    P4 - 6    </u>
<b>Brief Description</b> (e.g. Objectives, expected outcomes)	<p>In promoting STEM Education, student-centred pedagogies are emphasised in General Studies. Hands-on and minds-on learning activities for integrative application of knowledge and skills are advocated as a means to nurture creativity and problem solving skills of students. Teachers of General Studies are therefore encouraged to design learning activities in partnership with teachers of Mathematics and Information Technology in order to provide opportunities for students to apply what they have learnt to solve everyday life problems.</p> <p><b>Objectives</b></p> <ul style="list-style-type: none"><li>● To enhance the quality of learning and teaching of General Studies through lesson study in terms of promoting STEM education.</li></ul> <p><b>Expected outcomes</b></p> <ul style="list-style-type: none"><li>● Through lesson study of General Studies, participating teachers are able to enhance their pedagogical content knowledge and foster students' learning in terms of 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 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 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> _____ <b>Sept</b> _____ <b>mm</b> <u>2019</u> <b>yy</b> <b>to</b> _____ <b>Aug</b> _____ <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>	<p style="text-align: center;">Not Applicable</p>	
<b>Officer i/c</b>	<b>Name:</b> Ms S F LEUNG	<b>Post:</b> CDO(K&P/GS)3
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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.