

## Collaborative Research & Development (“Seed”) Project for 2022/23

<b>Section</b>	Mathematics Education Section	
<b>Title of the Project (Project Code)</b>	Bringing Mathematics lessons into data age (MA0922)	
<b>Class Level</b> (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 – S6          </u>	
<b>Brief Description</b> (e.g. Objectives, expected outcomes)	<p>The project aims at enhancing students’ data literacy through learning and teaching in secondary Mathematics. The project investigates the strategies of using learning and teaching activities, such as project learning and problem-based learning, to connect students with data sets and analytical tools to help them make better sense of their world.</p> <p>The objectives of the project are:</p> <ul style="list-style-type: none"> <li>• to enhance students’ media and information literacy and help them develop abilities in searching, assessing and using information</li> <li>• to cultivate students' positive values and let them make objective analysis and reasonable judgments</li> <li>• to cultivate students’ sense of responsibility to safeguard national security</li> <li>• to explore and develop the learning and teaching strategies to enhance students’ skills in leveraging data so that they will become better investigators and thinkers</li> <li>• to make good use of existing resources, e.g. official statistics issued by Census and Statistics Department, to promote students’ data literacy, and media and information literacy</li> <li>• to try out and refine various learning and teaching activities</li> <li>• to build up and support the development of resources in data literacy, and media and information literacy</li> <li>• to share the experiences of the participating schools and disseminate evidence-based practices through PDPs</li> </ul>	
<b>Key Emphases</b> (Please check and ✓ the appropriate box(es). You can choose more than one box.)	<b>Dimension</b>	<input checked="" type="checkbox"/> Curriculum planning <input checked="" type="checkbox"/> Learning and Teaching <input type="checkbox"/> Assessment
	<b>Focus</b>	<input checked="" type="checkbox"/> Values Education (including MCE, BLE& NSE) <input type="checkbox"/> Chinese history & Chinese culture <input type="checkbox"/> Reading / Language across the Curriculum <input type="checkbox"/> STEM & IT Education <input type="checkbox"/> Entrepreneurial Spirit <input type="checkbox"/> Life-wide Learning <input type="checkbox"/> Gifted Education <input type="checkbox"/> L&T of Chinese as a second language <input type="checkbox"/> Catering for Learner Diversity <input type="checkbox"/> Self-directed Learning <input type="checkbox"/> Whole-person Development <input checked="" type="checkbox"/> Others (please specify *) <u>Media and information literacy</u>

<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 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> <u>  9  </u> <b>mm</b> <u> 2022 </u> <b>yy</b> <b>to</b> <u>  8  </u> <b>mm</b> <u> 2023 </u> <b>yy</b> <input type="checkbox"/> <b>New</b> <input checked="" type="checkbox"/> <b>Ongoing</b> (started from <u>  9  </u> <b>mm</b> <u> 2021 </u> <b>yy</b> )	
<b>Name of Advisor(s) / Consultant(s) to be invited</b>	/	
<b>Officer i/c</b>	<b>Name: CHAN Sau-tang</b>	<b>Post: CDO(Ma)12</b>
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# Please use a separate sheet for each project.