Collaborative Research & Development ("Seed") Project for 2021/22

Section	Mathematics Education Section
Title of the Project	Bringing Mathematics lessons into data age

Class Level (Please check and √ the appropriate box.)	☐ Kindergarten　　☐ Primary ☑ Secondary　　☐ Primary and Secondary Please specify levels:　S1 – S6

Brief Description (e.g. Objectives, expected outcomes)	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. The objectives of the project are: · 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 · to make good use of existing resources, e.g. official statistics issued by Census and Statistics Department, to promote students' data literacy and information literacy · to try out and refine various learning and teaching activities · to build up and support the development of resources in data literacy and information literacy · to share the experiences of the participating schools and disseminate evidence-based practices through PDPs

Key Emphases (Please check and √ the appropriate box(es). You can choose more than one box.)	**Dimension**	☑ Curriculum planning ☑ Learning and Teaching ☐ Assessment
	Focus	☐ Values Education (including MCE, BLE& NSE) ☐ Chinese history & Chinese culture ☐ Reading / Language across the Curriculum ☐ STEM & IT Education ☐ Entrepreneurial Spirit ☐ Life-wide Learning ☐ Gifted Education ☐ L&T of Chinese as a second language ☐ Catering for Learner Diversity ☐ Self-directed Learning ☐ Whole-person Development ☑ Others (please specify *) <u>Information literacy</u>

Deliverables (Please check and √ the appropriate box(es). You can choose more than one box.)	☐　Exemplars to be used for curriculum documents ☑　Learning & teaching packages, self-learning packages for teachers ☑　Workshops and seminars ☐　Others (please specify) :

Duration and Nature of the Project	**From** ___9___ **mm** 2021 **yy** to ___8___ **mm** 2022 **yy** ☑ **New**　　☐ **Ongoing**　(**started from** _____ **mm** _____ **yy**)

Name of Advisor(s) / Consultant(s) to be invited		
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\#   Please use a separate sheet for each project.