

Kowloon Technical School
Plan on Use of One-off Grant to Secondary Schools for the Promotion of STEM Education 2017/18

Task Area	Major Area(s) of Concern	Strategies / Tasks	Benefits Anticipated	Time Scale	Resources Required	Success Criteria	Method(s) of Evaluation	People Responsible
Learning & Teaching	Cross-curricular collaboration for promotion of STEM	Introduce 3D printing to students of different levels through 3D food printing technology.	More students will get in touch with 3D printing technology	September 2017 to July 2018	3D food printing machines + supporting equipment + training + consumable = (\$35,000 + \$5,000 + \$10,000 + \$10,000) = \$60,000	Over 150 students receive training on using 3D food printing machine to create their own product	Training record	STEM committee
		Cross-curricular project(s) / investigation(s) / competition(s) in S1, S2 and S3	Student can integrate knowledge and skills learnt from different areas of STEM	September 2017 to May 2018	consumable + prizes = (\$10000 + \$5000) = \$ 15000	Over 70% students show satisfactory learning outcome	Student work and teacher feedback	STEM committee and corresponding HODs
Learning & Teaching	Participation of external STEM competitions / activities	Subsidies students in participating STEM competitions and activities organized by external agent	Students with potential receive extra training and learning experience in STEM	September 2017 to August 2018	\$30000	90% of students who have received subsidy complete the activities	Certificate of attendance/ participation	STEM committee and corresponding teachers

Endorsed by SMC Chairman


 (CHAN Fu-man)

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