

香港特別行政區政府
政府資訊科技總監
辦公室



OFFICE OF THE
GOVERNMENT CHIEF INFORMATION OFFICER
THE GOVERNMENT OF THE HONG KONG
SPECIAL ADMINISTRATIVE REGION

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27 June 2014

Ms YUE Tin-po
Clerk to Panel on Information Technology and Broadcasting
Legislative Council Complex
1 Legislative Council Road
Central
Hong Kong

Dear Ms. Yue,

**Panel on Information Technology and Broadcasting
Meeting on 9 June 2014**

Enriched IT Programme in Secondary Schools

At meeting of the Panel on Information Technology and Broadcasting on 9 June 2014, during discussion of the agenda item on “Enriched IT Programme in Secondary Schools”, Members requested information on the proposed composition of the Steering Committee of the Programme, and the proposed curriculum framework for Enriched IT Classes. The requisite information is set out at Annexes A and B respectively.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'Dominic Kwong' with a superscript '3' at the end.

(Dominic KWONG)
for Government Chief Information Officer

Steering Committee on Enriched IT Programme

Proposed Composition

Chairman

- Government Chief Information Officer

Members

- Representative of Education Bureau
- Representative of Curriculum Development Council
- Representatives from universities and tertiary institutions
- Chairman, Hong Kong Academy for Gifted Education
- Chairman, Hong Kong Association for Computer Education
- Chairman, Association of I.T. Leaders in Education
- Representatives from IT professional bodies and industry corporations
- Representatives from partner schools
- Deputy Government Chief Information Officer, OGCIO
- Chief Systems Manager, OGCIO

Proposed Curriculum Framework for Enriched IT Classes

Annex B

Secondary 2	Computational Thinking Skills	<ul style="list-style-type: none"> • Programming Principles (Mobile Apps) • Computer Graphics & 2D Animation • Internet & Data Communication 		Small Scale Projects such as Sandbox, Mobile Apps, 2D Animation	
Secondary 3	Algorithmic Problem Solving Skills	<ul style="list-style-type: none"> • Programming Principles (Web & Robotics) • 3D Modelling & Augmented Reality • Location-based & Wireless Technologies (GPS & RFID) 		Small Scale Projects such as Robotics Control, Digital Map Application, e-Book, 3D Visualisation	
Secondary 4	Software Development Principles	<ul style="list-style-type: none"> • Programming (Database & Spatial) • Computer-aided Design • 3D Animation 	Data & Process Modelling	Application Systems Development Projects such as Point of Sale, Geographic Information System, 3D Animation	Internship
Secondary 5	System Management Principles	<ul style="list-style-type: none"> • Programming (Object Oriented Concepts) • Software Testing Methodologies • System Security Framework 	IT in Business Applications (e.g. finance, logistics, customer relationship management, building management)	Application Projects: <ul style="list-style-type: none"> • Internet of Things • Big Data Analytics • 3D Game & Virtual Reality • Advanced Robotics Control & Intelligent Sensing Technology • Artificial Intelligence & Simulation • Security Encryption & Intrusion Detection 	
Secondary 6	Leadership, Collaboration & Communication	Big Data & Business Intelligence			