



政府資訊科技總監辦公室

Office of the Government Chief Information Officer



IT Innovation Lab in Secondary Schools

中學IT創新實驗室計劃



31 May 2021

Background



The 2014-15 Budget

2014-15 Budget



ENRICHED IT PROGRAMME
資訊科技增潤計劃



The 2019-20 Budget

2019-20 Budget



IT Innovation Lab in Secondary Schools
中學IT創新實驗室計劃



2021-22年度
財政預算案

2021-22 Budget



Knowing More About IT
奇趣IT識多啲計劃

Objectives



Cultivate the interest of secondary/primary students in IT and foster an IT learning atmosphere



Lay a sound foundation in IT for the students by developing their digital skills , innovative thinking and problem solving abilities



Promote local popular science education and encourage students to choose technology-related tertiary education programmes



Encourage students to pursue an I&T career in the future, thus expanding the supply of I&T talent

Current Status

Statistics of Applications from Schools and Current Approval Status



No. of Schools Applied : 162

No. of Applications Received : 175 (\$69 million)

No. of Approved Applications : 94 (\$36 million)



No. of Applications Not Supported : 5 (\$3 million)



Approved Activities Statistics

Statistics of Approved Activities

No. of Approved Activities : 211 (from 94 approved applications)

Distribution of Technology Theme :

- % of Activities in AI : 29%
- % of Activities in robotics : 19%
- % of Activities in coding/algorithm : 16%
- % of Activities in drone : 12%
- % of Activities in AR/VR : 9%
- % of Activities in IoT : 7%
- % of Other Activities : 8%

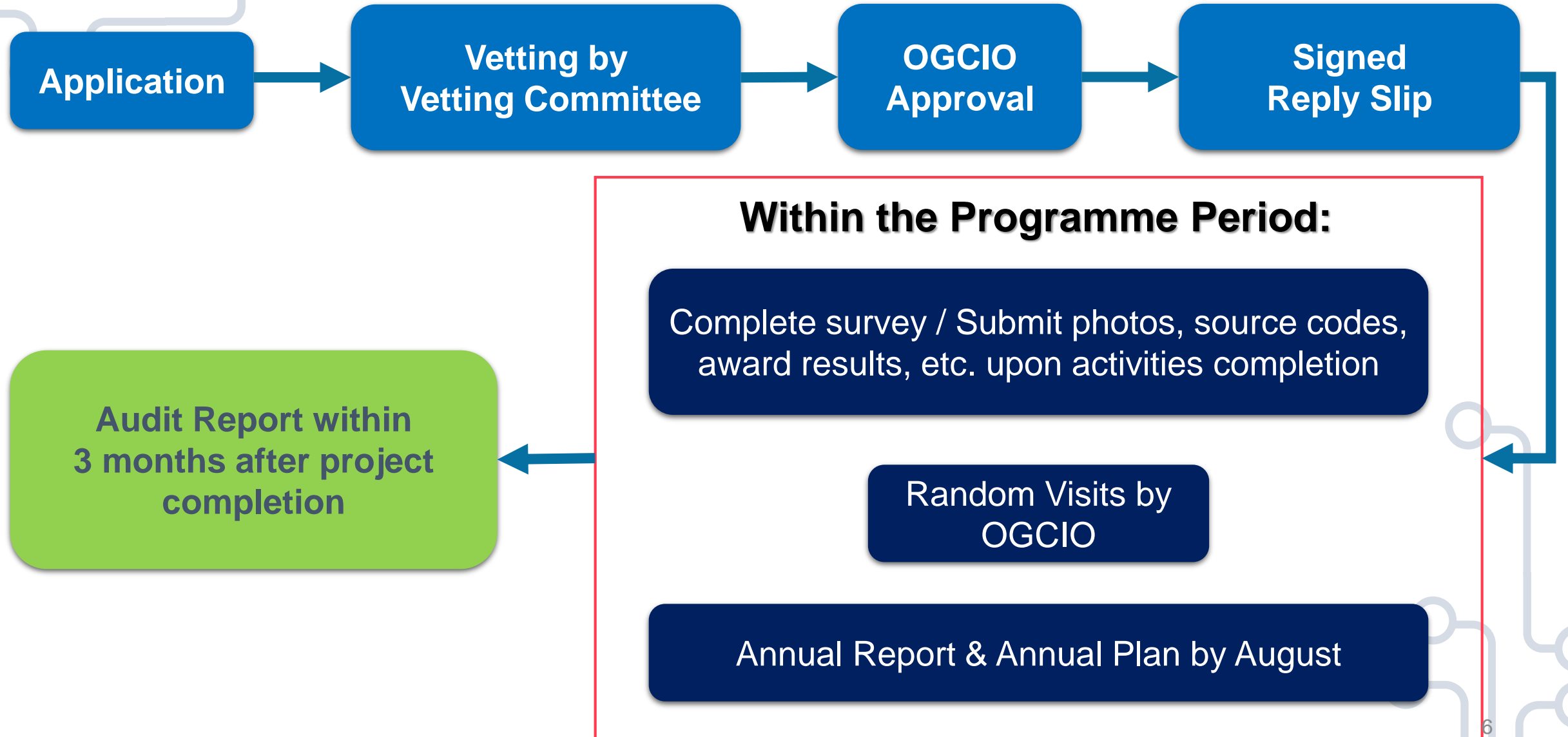
No. of Student Beneficiaries : more than 20 000

Project Length :

- % to be completed in 2020/21 school year : 43%
- % to be completed in 2021/22 school year : 38%
- % to be completed in 2022/23 school year : 19%



Flow of Application



Reminder

Upon activities completion :

Online post-activity survey for students :

Please ask participating students to complete the online post-activity survey to provide feedback. The standard online survey can be generated via the below link:

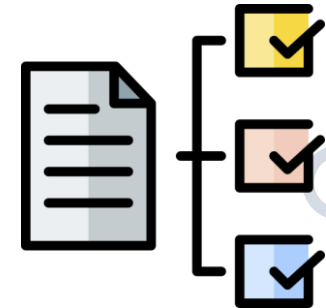
<https://www.it-lab.gov.hk/en/survey.php>

Deliverables :

Please submit deliverables including photos, videos, award results, attendance lists, etc. to the OGCIIO for record.

Competitions and Awards :

If participating students win any awards which is funded by IT-Lab programme, please inform the OGCIIO.



Joint Application

Applicant schools may submit joint applications through e-form submission (the same e-form as the individual application)

<https://www.it-lab.gov.hk/en/application.php>

Please :

1. Submit the forms signed by individual principals; and
2. Indicate the part of joint applications in activity titles / descriptions

The OGCIO will review the two applications together

❖ 「中學IT創新實驗室」申請表格

1) 簡介

2) Part A: Particulars of the Applicant School 甲部：申請學校資料

3) Part B: Annual Plan - Part I 乙部：年度計劃書 - 第一部分

4) Part B: Annual Plan - Part II (a) 乙部：年度計劃書 - 第二部分 (a)

5) Part B: Annual Plan - Part II (b) 乙部：年度計劃書 - 第二部分 (b)

6) Part B: Annual Plan - Part III 乙部：年度計劃書 - 第三部分

Part A: Particulars of the Applicant School 甲部：申請學校資料

School Name 學校名稱 *

School Name (English) 學校名稱 (英文)

School Name (Chinese) 學校名稱 (中文)

School Code 學校編號

School information will be retrieved after "School Name" or "School Code" is inputted and ENTER is pressed. Please verify the accuracy of the retrieved information. 在輸入「學校名稱」或「學校代碼」並按 ENTER 鍵後，將自動檢索學校資料。請核實檢索的資料是否準確。

School Code 學校編號

School Type 學校類別 *

School Address (English) 學校地址 (英文) *

Tips and Advice from Vetting Committee

- ✓ Proposed equipment should be necessary and directly related to the proposed IT activities
- ✓ The funding for the procurement of IT equipment, infrastructure and related services should not be more than \$500,000 during the entire programme period
- ✓ Sustainability plans for more participating students (e.g. organising more IT-related activities / rerunning the proposed activities after the end of the activities)
- ✓ Make good use of cloud services available in the market instead of procuring hardware equipment



Examples of Applications Not Supported by VC

The expenditure item is not directly related to or essential for implementing the proposed activity

- ✗ Upgrade of the whole school network infrastructure
- ✗ Setup of a new physical laboratory (e.g. furniture, power socket)

The activity is not directly related to the funding scope

- ✗ E-learning or life planning management system

The expenditure item is not cost-effective

- ✗ Costly computer servers which could be replaced by subscription of cloud services
- ✗ Costly equipment which could be replaced by rental of similar services in the market

Upcoming Events - HKICTA - Student Innovation Award



The Student Innovation Award aims to encourage students to explore their creativity and potential, and to recognise their achievements.



Student Innovation Award
學生創新獎



www.hkictawards.hk

Open for enrolment till 16/7

Upcoming Events – Ampower Talent Institute

IT Talent Competition & Collaboration to Build POC Utilizing ABCD

- The online master classes will start in June.
- Students from Primary 5 to Secondary 6 are welcome.
- Email for schools' enquiries & registration : secretariat@ampowertalent.org

Please enroll

The poster features a blue background with white clouds and a yellow border. At the top left is the Hong Kong Government logo and the text '政府資訊科技總監辦公室 Office of the Government Chief Information Officer'. At the top right is the 'AMPOWER TALENT INSTITUTE' logo. The main title 'AMPOWER 一齊升呢 THE NEXT GENERATION!' is written in large, stylized orange and red letters. Below it, the text 'Ampower Talent Institute Information Technology Online Master Classes and Mentorship Programme To Guide The Next Generation' is displayed. A list of highlights is provided, including speakers, live stories, skill-up opportunities, job shadowing, and career expansion. A smartphone graphic on the left shows categories like Artificial Intelligence, Cloud, Blockchain, Big Data, and computing, along with 'First-Hand' design and development. A person is shown climbing a ladder to reach a yellow star. At the bottom, the deadline for enrolment is 10 June 2021, and the contact email is secretariat@ampowertalent.org. A call to action states 'Student from Primary 5 to Secondary 6 and teachers are welcome' and 'FREE Admission'.

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AMPOWER
TALENT
INSTITUTE

AMPOWER 一齊升呢 THE NEXT GENERATION!

Ampower Talent Institute
Information Technology
Online Master Classes and Mentorship Programme
To Guide The Next Generation

*** Highlights of the Programme ***

- ★ Speakers are good-hearted young entrepreneurs, CEOs, CTOs, university professors, graphics designers, Apps developers, lawyers and from other professionals
- ★ Sharing live stories, secrets and tricks to success, master classes and competitions
- ★ Skill-up and learn at free time, awards winning and certificates opportunities
- ★ Potential job shadow internship opportunities with mentors and potential employers
- ★ Expand horizons, improve chance of getting into universities and have a good start to a fruitful and rewarding career

Help students learn more about the following categories

Artificial Intelligence
Cloud Blockchain
Big Data and
computing Open Data
“First-Hand”
how to conceptualize
design and
build a career compass and
development technology platform

Deadline for Enrolment: 10 June 2021
For Enquiries and Enrolment: secretariat@ampowertalent.org

Student from Primary 5 to
Secondary 6 and teachers
are welcome
FREE Admission

Upcoming Events - HKNETEA



Hong Kong Fostering ICT Awards Scheme

- Two online workshops have been conducted.
 - The 1st online workshop was held on 29 Apr with 25 schools and over 600 students participated
 - The 2nd online workshop was held on 27 May with 16 schools and over 500 students participated
- The 3rd workshop will be held on 24 June 2021 (Thurs) 4:30 - 6:30 tentatively.



Please enroll

Website :
https://hknetea.org/?page_id=1591



Upcoming Events - WTIA

Innovation and Technology Festival to Secondary School Students

- Opening Ceremony will be held on 6 July 2021 2:30pm tentatively.
- Seminars and workshops to teachers will be held in July.
- Secondary schools teachers and students are welcome.

Please enroll

INNOVATION AND
TECHNOLOGY
FESTIVAL to Secondary School Students



中學生創新創意科技節

Website:
<http://itfestival.tech/>



Knowing More About IT Programme

Target: All publicly-funded primary schools in Hong Kong



Knowing More About IT

奇趣IT識多啲計劃

Objective:

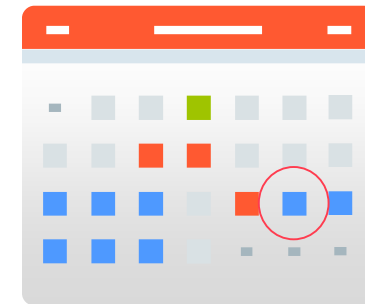
- stimulate primary school students' interest in IT and strengthen their basic IT knowledge through ECAs
- enhance their interest to pursue the study of STEM subjects and preparing for integration into the digital society in the future

Scope:

- from 2021/22 to 2023/24
- funding grant of up to \$400,000 (Max \$200,000 for equipment and related services)

Application process:

- Open for application from primary schools in **September 2021**
- Introductory briefings to primary schools on **29 June** and **7 July 2021**



Invitation for Sponsorship Proposal:

- a sponsorship project to promote the programme to primary schools

Enquiry Email : know-it@ogcio.gov.hk

Next Speakers and Topics

Introduction of “Hong Kong ICT Awards 2021: Student Innovation Award 2021”



Mr Alex HUNG, MH
Founding Chairman,
HKNETEA

Success Story
Sharing by Enriched
IT Class (EITC) and
CLAP-TECH Partner
School



Mr Kim AU Hoi Kin
Vice Principal

Introduction of
“Capture the Flag
Challenge and Cyber
Security Youth Talent
Programme”



Mr On NG
Security Consultant,
HKCERT

Mr Summ CHAN
Security Consultant,
HKPC

Sharing on
application of cloud
computing services in
IT education



Mr Eric HUI Pang
Head,
IT in Education
Committee

Thank you



中學IT創新實驗室計劃



One-stop Support Centre

 **2116 9083**

 **it-lab@ogcio.gov.hk**

 **<https://www.it-lab.gov.hk>**