

Updates on Information and Communication Technology Curriculum and Assessment Guide (Secondary 4-6)

Michael LUI

6 May 2022

Background

- ▶ Rationale: **Broaden the fundamental ICT knowledge and enhancing computational thinking and programming**
- ▶ The updated supplementary notes on the renewal of the Information and Communication Technology Curriculum were uploaded on EDB website

(<https://334.edb.hkedcity.net/new/tc/curriculum.php>)

Revised SS ICT Curriculum and Assessment Guide

Core parts

Before

Modules	Lesson Time (hr)
A. Information Processing	52
B. Computer System Fundamentals	25
C. Internet and its Applications	22
D. Basic Programming Concepts	24
E. Social Implications	22
Total	145

After

Modules	Lesson Time (hr)
A. Information Processing	37
B. Computer System Fundamentals	20
C. Internet and its Applications	31
D. Computational Thinking and Programming	48
E. Social Implications	8
Total	144

Module A - Information Processing

- Content related to **word processing and presentation of information is removed**

Module B – Computer System Fundamentals

- Content related to **functions of registers and assembly language are removed**

Module C - Internet and its Applications

- Topics related to **Internet Security moved to:**
 - ♦ **Core Part - Module E**
 - ♦ **Elective Part - Option B Data Communications and Networking**

Module D - Basic Programming Concepts

- **renamed as “Computational Thinking and Programming”**
- Implementation of programming is required, including**
 - **Program Development (C++, Python and Pascal)**
 - **Lesson time increases from 24 hours to 48 hours**

Module E - Social Implications

- **Technological Innovations** is added for practical experience on new technology (**e.g. AI, AR and VR**)

Revised SS ICT Curriculum and Assessment Guide

Elective options

Before

Select ONE option among of four:

Options	Lesson Time (hr)
A. Databases	75
B. Data Communications and Networking	75
C. Multimedia Production and Web Site Development	75
D. Software Development	75
Total	75

After

Select TWO options among of three:

Options	Lesson Time (hr)
A. Databases	38
B. Web Application Development	38
C. Algorithm and Programming	38
Total	76

Option A (Databases)

- “Introduction to Databases” and “Database Applications, Development and Society” are removed

Option B (Web Application Development)

- Content is extracted from **Option B (Data Communications and Networking)** and **C (Multimedia Production and Web Site Development)**
- Content related to **Multimedia is removed** (Referring to next slide)
- **Implementation on programming** in web application development is required

Option C (Algorithm and Programming)

- Two topics “**Programming Languages**” and “**Systems Development**” are removed
- A topic “Applications of Programming in Real Life” is added

Before

- B. Data Communications and Networking (75)
 - a. Data Communications and Networking Basics (38)
 - b. Network Design and Implementation (26)
 - c. Network Management and Security (11)

- C. Multimedia Production and Web Site Development (75)
 - ~~a. Multimedia Production (25)~~
 - b. Web Site Development (50)

After

- B. Web Application Development (38)
 - a. Network Services and Implementation (14)
 - b. Web Programming and Applications (24)

Core Part
Section C Internet and its Applications

Thank you