

Information and Communication Technology Curriculum and Assessment Guide (S4-6) Supplementary Notes

Changes on the curriculum

Changes are highlighted in RED and applicable to the 2016 HKDSE examination and onwards.

Module / Option	Revised content
The Compulsory Part	
A. Information Processing	
<i>d. The Use of Office Automation Software</i> (pages* 14 and 15)	Remarks <ul style="list-style-type: none"> The use of cell references in formulas, and standard functions, together with mathematical, logical and relational operators should form part of the content.
	Remarks <ul style="list-style-type: none"> This includes the selection, filtering and sorting of data using query in a single database table. Students should be able to trace and interpret simple Structured Query Language (SQL) statements. Though sophisticated reports are not required, they should create and format reports for intended users / audience.
C. Internet and its Applications	
<i>c. Elementary Web Authoring</i> (pages* 25 and 26)	Learning Outcomes <ul style="list-style-type: none"> Practise Recognise the basic constructs of Hypertext Markup Language (HTML) which is a means to address cross-platform issues.
	Learning Outcomes <ul style="list-style-type: none"> Design and construct web pages, by writing HTML or by using a web authoring tool, for an intended audience and upload them onto the World Wide Web.
	Remarks <ul style="list-style-type: none"> Although students may use a tool to write HTML codes for the creation of web pages, understanding and interpretation of HTML codes are essential. Students are not required to memorise HTML codes.
E. Social Implications	
<i>c. Intellectual Property</i> (page* 33)	Remarks <ul style="list-style-type: none"> Teachers can quote some of the legal consequences related to infringement of copyright (e.g. Copyright Ordinance: Chapter 528, Section 4, 29, 60 and 61).
<i>d. Threats and Security on the Internet</i> (page* 34)	Remarks <ul style="list-style-type: none"> Teachers can quote some of the legal consequences related to unauthorised access to computers (e.g. Crimes Ordinance: Chapter 106, Section 27A; Chapter 200, Section 59, 60 and 161).

* Page number denotes the page number in the booklet *Information and Communication Technology Curriculum and Assessment Guide (Secondary 4-6)* (2007).

Lesson time

The suggested time allocation for each NSS elective subject is 250 hours. Hence, the recommended number of hours for each module and option in the Information and Communication Technology curriculum is revised in RED as below:

Module / Option	No. of hours allocated
The Compulsory Part	145
A. Information Processing	54
<i>a. Introduction to Information Processing</i>	5
<i>b. Data Organisation and Data Control</i>	4
<i>c. Data Representation</i>	10
<i>d. The Use of Office Automation Software</i>	30
<i>e. Presentation of Information</i>	5
B. Computer System Fundamentals	25
<i>a. Basic Machine Organisation</i>	15
<i>b. System Software</i>	4
<i>c. Computer Systems</i>	6
C. Internet and its Applications	24
<i>a. The Networking and Internet Basics</i>	9
<i>b. Internet Services and Applications</i>	7
<i>c. Elementary Web Authoring</i>	8
D. Basic Programming Concepts	20
<i>a. Problem-Solving Procedures</i>	4
<i>b. Algorithm Design</i>	13
<i>c. Algorithm Testing</i>	3
E. Social Implications	22
<i>a. Equity of Access</i>	2
<i>b. Work and Health Issues</i>	2
<i>c. Intellectual Property</i>	6
<i>d. Threats and Security on the Internet</i>	12
The Elective Part (Choose one only)	75
A. Databases	75
B. Data Communications and Networking	75
C. Multimedia Production and Web Site Development	75
D. Software Development	75
School-based Assessment	30
Total Curriculum Time	250 hours

School-based Assessment

The School-based Assessment (SBA) requirement has been streamlined and the categories by which students' project are to be evaluated will be reduced from seven to four with changes in RED as following:

- ~~● Objectives & Analysis~~
- Design & Implementation
- ~~● Practical ICT skills~~
- Testing & Evaluation
- Conclusion & Discussion
- ~~● Documentation~~
- ~~Creativity &~~ Project Management

The revision on SBA is applicable to the 2015 HKDSE examination and onwards.