

SING YIN SECONDARY SCHOOL

Syllabus For Computer Literacy - September 2016 / July 2017

FORM THREE

Electronic Textbook: School-based ICT (Pearson)

Objectives :

1. To help students to develop problem solving skills.
2. To help students to make use of common application software.
3. To help students to acquire the following values:
 - i. A positive attitude towards self-learning
 - ii. Solving problem carefully
 - iii. Responsibility in using computer correctly

Periods Allocated

- | | | |
|-----|---|-----|
| 1. | <u>Legal and Ethical Issues</u> | 1 |
| 1.1 | How to use computer correctly <ul style="list-style-type: none">• Intellectual Property Rights• Responsibility in posting correct information in Internet• Antivirus• Data Privacy | |
| 2. | <u>Computers Systems – (Central Processing Unit)</u> | |
| 2.1 | CPU, ALU, CU | 0.5 |
| 2.2 | Speed of CPU | 1 |
| 2.3 | More about CPU | 1.5 |
| 4. | <u>Computer Communications and Internet Access</u> | |
| 4.1 | Computer communications <ul style="list-style-type: none">• basic idea of the applications of computer communications• hardware setup• Internet Protocol, IP address, DNS | 3 |

5. Using Database

5.1	Creating and using a database file	1.5
5.2	Manipulating a database file	1.5
5.3	Listing records by queries	1
5.4	Assignment	2

6. Using animation authoring tool

6.1	Introduce Flash	0.5
6.2	Basic of animation	0.5
6.3	Creating Motion Tween	2
6.4	Creating Shape Tween	2
6.5	Assignment	3

7. Pascal Programming

7.1	Basic structure and concept of compilation	1
7.2	Declare variables, input, output and if... then statement	2
7.3	Assignment and assessment	3

(27 cycles)

END

Signature of Teacher-in-charge: _____

Checked by : _____