

St. Francis Xavier's College
2022/2023
Computer Literacy
Course Outline

Level: F.1

Term Seq.	Topic / Main Theme	Mode	No. of Lessons
1.1	Use of Google Account - Gmail and Google Classroom - #Web search and safe web browsing	Video + Lesson	4
1.2	Chinese and English Typing Skill	Self-directed learning	1
1.3	Google Drive for Project Learning (I) - Cloud Storage - Google Docs - Google Slides	Lesson	12
1.4	Block Programming with Scratch I - Iteration, sub-procedure, events - Conditional expression - Variable and operations - Generation of random numbers - Mouse control - Basic flowcharting - Problem solving skills	Lesson + Hands-on Practice	10
	<ul style="list-style-type: none"> ● Group Project (50%): Presentation of Google Slides with the topic of well-being promotion ● Individual Project (50%): Scratch program ● Self-directed Learning Task 	Assessment	
2.1	* <i>Sketchup (for STEM project)</i> - 2D Design for laser cutting - 3D Printing VS laser cutting - Design between 2D and 3D	Lesson	9
2.2	Block Programming with Scratch II - Array concept - Object cloning and user-defined function - Motion simulation - Trigonometry and projectiles - Scene effect and sound control - Enhanced Flowcharting	Lesson + Hands-on Practice	12
2.3	* <i>Microbit</i> - Introduction of micro:bit - Programming for micro:bit - Variables - Functions - Conditional statement - System communication between micro:bit and Scratch	Lesson + Hands-on Practice	9
	<ul style="list-style-type: none"> ● Individual Project (50%): Scratch program ● Individual Project (50%): 3D design for clock dial 	Assessment	

Term 1 Modes of Assessment and weighting:

Modes	Group Project	Individual Project	Self-directed Learning	Practical Examination
Weights	50%	50%	0%	0%

Term 2 Modes of Assessment and weighting:

Modes	Group Project	Individual Project	Written Examination	Practical Examination
Weights	0%	100%	0%	0%

Remarks:

* -- topics with STEM elements

-- topics with NSEd elements