

St. Francis Xavier's College
2024/2025
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 - <i>*Web search and safe web browsing</i>	Lesson	4
1.2	Introduction of Self-directed Learning - Personal blog or web building - Chinese and English typing	SDL	1
1.3	Artificial Intelligence I - Introduction to AI - Machine Learning and Deep Learning	Lesson	3
1.4	Collaborative Productivity Software (I) - Cloud Storage - Google Docs - Google Slides / Canva	Lesson	10
1.5	<i>#STEM Project I</i> - Introduction of project - Design thinking	Lesson	2
1.6	Block Programming with Scratch I - Iteration, sub-procedure, events - Conditional expression - Variable and operations - Basic flowcharting and pseudo-coding - Object cloning and user-defined function - Motion simulation - Scene effect and sound control	Lesson	10
	<ul style="list-style-type: none"> ● Assignment (15%): 1.3+1.4 ● Group Presentation (30%): Value Education with Google Slides / Canva ● Individual Project (40%): Scratch program for SMART goal ● SDL Tasks (20%): Blog/Web + Typing 	Assessment	
2.1	Artificial Intelligence II - Computer Vision	Lesson	4
2.2	Block Programming with Scratch II - Face Recognition - Pose Recognition	Lesson	6

2.4	<i># STEM Project II</i> - Introduction of micro:bit - Programming for micro:bit - Variables - Functions - Conditional statement - Using sensors	Lesson + SDL	20
	● Individual Presentation (20%): Revision of SMART goal ● Group Project (50%): STEM Project (Use of laser cutting software) ● Group Project (20%): Scratch II (Gesture message) ● SDL Task (10%): Blog/Web	Assessment	

Term 1 Modes of Assessment and weighting:

Modes	Group Project	Individual Project	Self-directed Learning	Assignment
Weights	30%	40%	20%	10%

Term 2 Modes of Assessment and weighting:

Modes	Group Project	Individual Presentation	Self-directed Learning	Assignment
Weights	70%	20%	10%	0%

Remarks:

-- topics with STEM elements

* -- topics with NSEd elements