Scope and Sequence Document for: Year 7 Computer Science

Year:	[Year 7] 2023-2024	
Tutor	Ruth Benjamin Marvin	
Tutor Profile:	BSc (hons), MBA(Lond), PGCE (Sussex University)	
Resources required:	Login credentials for www.testandtrack.io (provided by tutor). Login credentials for the Learning Portal > moodle.immanuelonlineschool.com (Year 7 CS)	

*A = Assignment due before next lesson Note: All Lesson Tests must be completed as part of the lesson prep. Tests are auto-marking with instant feedback.

Lesson No.	NSW week No.	Week beginning Monday the:	Contents of study
1	1	04/09/23	Introduction to Animation
2	2	11/09/23	Doing more with the editor: Exploring techniques
3	3	18/09/23	AI, animated drawings and Graphics
4	4	25/09/23	NFTs and making your own sprite
5	5	02/10/23	Create an advert and a household budget
6	6	09/10/23	Get Creative and Assignment submission
Q			Complete all relevant topic/lesson quizzes
A1			Assignment Due before next lesson.
7	7	16/10/23	Introducing Binary
	8	23/10/23	Half Term
8	9	30/10/23	Amazing Number Systems
9	10	06/11/23	Binary to Decimal conversions
10	11	13/11/23	Binary Addition
11	12	20/11/23	Preparing a presentation and recap
12	13	27/11/23	The future of technology
Q			Complete all relevant topic/lesson quizzes
A2			Assignment Due before next lesson.
13	14	04/12/2023	Scratch Basics and Introduction
14	15	11/12/2023	Scratch Programming Concepts
	16	18/12/2023	Christmas Holiday
	17	25/12/2023	Christmas Holiday

			2023-24
	18	01/01/2024	Christmas Holiday
15	19	08/01/2024	Variables in Scratch
16	20	15/01/2024	If Statements and For Loops
17	21	22/01/2024	Game Design Principles
18	22	29/01/2024	Your Scratch Game Submission
Q			Complete all relevant topic/lesson quizzes
А3			Assignment Due before next lesson.
19	23	05/02/2024	Introduction to Web design
20	24	12/02/2024	HTML and IDEs
	25	19/02/2024	Half Term
21	26	26/02/2024	Styles, CSS and Bootstrap
22	27	04/03/2024	JavaScript. Games and Version Control
23	28	11/03/2024	Multiple Pages, Logo and Video
24	29	18/03/2024	Hosting and Domains
Q			Complete all relevant topic/lesson quizzes
A4			Assignment Due before next lesson.
25	30	25/03/2024	Python and Turtle -Variables and Movement
	31	01/04/2024	Easter Holiday
	32	08/04/2024	Easter Holiday
	33	15/04/2024	Easter Holiday
26	34	22/04/2024	Python Loops and Lists
27	35	29/04/2024	Understanding Objects
28	36	06/05/2024	IF ELSE Statements
29	37	13/05/2024	Functions
30	38	20/05/2024	Create your own mini universe
Q			Complete all relevant topic/lesson quizzes
A5			Assignment Due before next lesson.
	39	27/05/2024	Half Term
31	40	03/06/2024	Introduction to the CPU
32	41	10/06/2024	CPU Performance
33	42	17/06/2024	Fetch Decode Execute Cycle
Q			Complete all relevant topic/lesson quizzes
Q A6			Complete all relevant topic/lesson quizzes Assignment Due before next lesson.

34	43	24/06/2024	Jon Von Neumann and Systems Architecture
*			*Extra lessons available