

	Year 7			Year 8			Year 9		
	Module 1	Module 2	Module 3	Module 1	Module 2	Module 3	Module 1	Module 2	Module 3
Flowcharts	Algorithms Flowchart Symbols - Start/Stop - Stop - Input/Output - Process - Decision  Sequencing Importance of ordering events Create a flowchart to design an algorithm								
Modelling		Intermediate Modelling - Data Validation - Conditional Formatting - Pivot Tables		Computational Thinking - Abstraction, Decomposition and Algorithmic Thinking Abstraction (Maps) Reality vs Modelling Spreadsheets - Formula / Functions - Formatting - Graphs					
Programming			Programming HTML - HTML Code - Importance of Syntax - Make a web page Python - Variables and Constants - Inputs and processing - Sequence			Intermediate Programming Python - Programn Flow - Selection - Iteration			Advanced Programming Python - Combining selection and Iteration - Count and Condition Controlled Iteration - More complex programs
Cybersecurity					Cybersecurity - eSafety - Encryption - Threats and Prevention				
Understanding Computers							Understanding Computers - Hardware and Software - CPU - Binary		
Graphic User Interfaces								Graphic Design Project Types of UI Select a Type of UI with justification Design a User Interface for a Mobile App	