



Curriculum Overview - Computer Science

	Autumn Term 1.1	Autumn Term 1.2	Spring Term 2.1	Spring Term 2.2	Summer Term 3.1	Summer Term 3.2
Year 7	Introduction to Computer Science Digital Literacy	Computing Systems - Hardware and Software	Computing Systems - Hardware and Software	Introduction to programming with Scratch	Introduction to programming with Scratch	Computational Thinking & Algorithms
Year 8	Data Representation - Binary, Images and Sound	Data Representation - Binary, Images and Sound	Introduction to Python	Introduction to Python	Networks & The Internet	Data Science
Year 9	Cyber Security	Cyber Security	Web Design	AI, Ethics & Law	AI, Ethics & Law	App development
Year 10	1.1 Systems Architecture 1.2. Memory & Storage 2.2 Programming	1.3 Networks 2.1 Algorithms 2.2 Programming 2.4 Boolean Logic	1.3 Networks 2.2 Advanced Programming	1.4 Network Security 2.2 Advanced Robust Programming 2.5 Languages	1.5 System Software 2.3 Robust Programming	1.6 Ethics & Law 2.3 Robust Programming Telium Project
Year 11	1.1 Systems Architecture 1.2. Memory & Storage 2.2 Programming	1.3 Networks 2.1 Algorithms 2.2 Programming 2.4 Boolean Logic	1.3 Networks 2.2 Advanced Programming	1.4 Network Security 2.2 Advanced Robust Programming 2.5 Languages	1.5 System Software 2.3 Robust Programming	1.6 Ethics & Law 2.3 Robust Programming
Year 12	1.1 Processors & Storage 1.2 Software Development 2.1 Computational Thinking 3.1 NEA Analysis	1.2 Software Development 1.3 Exchanging Data 2.2 Problem Solving 2.3 Algorithms 3.1 NEA Analysis	1.3 Exchanging Data 2.2 Problem Solving 2.3 Algorithms 3.2 NEA Design	1.4 Data types, Structures & Algorithms 2.2 Problem Solving 3.2 NEA Design	1.4 Data types, Structures & Algorithms 2.2 Problem Solving 3.2 NEA Design	1.5 Legal, Moral, Ethical & Cultural 2.2 Problem Solving 3.3 NEA Development
Year 13	1.1 Processors & Storage 1.2 Software Development 2.1 Computational Thinking 3.3 NEA Development	1.2 Software Development 1.3 Exchanging Data 2.2 Problem Solving 2.3 Algorithms 3.3 NEA Development	1.3 Exchanging Data 2.2 Problem Solving 2.3 Algorithms 3.3 NEA Development	1.4 Data types, Structures & Algorithms 2.2 Problem Solving 3.4 NEA Evaluation	1.4 Data types, Structures & Algorithms 2.2 Problem Solving	1.5 Legal, Moral, Ethical & Cultural 2.2 Problem Solving