Park House School
Work hard. Be kind. Take responsibility.

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 Computing Systems	Computing Systems - Hardware and Software	Introduction to programming with Scratch/Micro:Bits	Introduction to programming with Scratch/Micro:Bits	Data Representation - Binary, Images and Sound	Data Representation - Text and Compression
Year 8	Introduction to Computer Science Computing Systems	Computing Systems - Hardware and Software	Introduction to Python	Introduction to Python	Data Representation - Binary, Images and Sound	Data Representation - Text and Compression
Year 9	Cyber Security	Cyber Security	Networks	Computational Thinking & Algorithms	AI, Ethics & Law	AI, Ethics & Law
Year 10	1.1 Systems Architecture 1.2.1 Memory & Storage 2.2 Programming 2.4 Boolean Logic	1.3 Networks 2.1 Algorithms 2.2 Programming	1.2.2 Memory Units 1.3 Networks 2.2 Programming	1.4 Network Security 2.3 Robust Programming 2.5 Languages	1.5 System Software 2.3 Robust Programming Databases & SQL	1.6 Ethics & Law 2.3 Robust Programming Telium Project
Year 11	1.1 Systems Architecture 1.2.1 Memory & Storage 2.2 Programming	1.3 Networks 2.1 Algorithms 2.2 Programming	1.2.2 Memory Units 1.3 Networks 2.2 Programming	1.4 Network Security 2.3 Robust Programming 2.4 Boolean Logic	1.5 System Software 2.3 Robust Programming 2.5 Languages 2.6 Databases & SQL	1.6 Ethics & Law 2.3 Robust Programming
Year 12	1.1 Processors & Storage 2.1 Computational Thinking	1.3 Exchanging Data 2.2 Problem Solving	1.3 Exchanging Data 2.2 Problem Solving	1.4 Data types, Structures & Algorithms 2.3 Algorithms	1.4 Data types, Structures & Algorithms 2.3 Algorithms	1.5 Legal, Moral, Ethical & Cultural 3.1 NEA Analysis
Year 13	1.1 Processors & Storage 2.1 Computational Thinking 3.2 NEA Design	1.3 Exchanging Data 2.2 Problem Solving 3.2 NEA Design	1.3 Exchanging Data 2.2 Problem Solving 3.3 NEA Development	1.4 Data types, Structures & Algorithms 2.3 Algorithms 3.3 NEA Development	1.4 Data types, Structures & Algorithms 2.3 Algorithms 3.4 NEA Evaluation	1.5 Legal, Moral, Ethical & Cultural 3.4 NEA Evaluation

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