



Summary Curriculum Plan

COMPUTING

	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
	Topics	Topics	Topics	Topics	Topics	Topics
Year 7	Networks and online platforms Health & Safety Word Processing Email	Introduction to spreadsheets Introduction to presentation software Project – Online safety	Programming in Scratch Sequence Selection Operators Iterations	Understanding Computers	Programming in Python (input, output, selection)	Programming in Python (iteration, searching algorithms)
Year 8	Databases Data types, database design, 'friends' database, Queries, forms and reports, 'countries' database, SQL	Micro:bit Displaying text and images, variables and lists, iteration accelerometer, music, networking, controlling external devices	Websites (HTML/CSS) Intro to HTML and CSS Website design	Websites (HTML/CSS) Website development project	Python – next steps Iteration Lists Subroutines	Python- next steps Functions and return values Python project
Year 9	Advanced spreadsheets (sorting, formulae, creating a model, charts and graphs, number patterns, 'what if?' Analysis)	Media Digital graphics, video and sound Planning and creating a digital media artefact AI (classification systems)	Programming in Python Data types Iteration Functions and return values	Binary Logic Representations Bitmap image Sound	Online safety Big data Data privacy Fake news Illegal content	AI Ethics LLMs

<i>Year 10</i>	Algorithms Introduction to C# programming (input, output, data types, selection)	Programming in C# (data types, selection, iteration) Searching and Sorting algorithms	Programming in C# (arrays, records, subroutines) Representation of number	Programming in C# (subroutines) Representing image and sound Compression Boolean logic	C# strings Boolean logic Software and languages Exams	Programming in C# (exception handling, extended programming activities) Systems architecture
<i>Year 11</i>	Hardware and software Computer Networks Programming in C#	Cyber Security Revision Mock exams	Cyber Security Ethical, Legal and Environmental Impacts	Databases/SQL Revision (theory and programming)	Revision	