



Year 10 Computer Science Curriculum

Autumn Term	Spring Term	Summer Term
Autumn 1	Spring 1	Summer 1
Fundamentals of algorithms: <ul style="list-style-type: none"> - Keywords and definition - Algorithm efficiency - Search and sort - Pseudocode - Data types 	Data representation Image representation Sound representation Data compression	High level and low-level languages Architecture (CPU)
Autumn 2	Spring 2	Summer 2
Programming: <ul style="list-style-type: none"> - Programming concepts - Operators - Data structures - String handling - Data validation and user authentication 	Computer Systems Logic Gates Hardware and Software	Computer Networks

Year 11 Computer Science Curriculum

Autumn Term	Spring Term	Summer Term
Autumn 1	Spring 1	Summer 1
Cyber Security Social Engineering	Ethical, legal and environmental impacts of digital technology	Revision and exams
Autumn 2	Spring 2	Summer 2
SQL	Revision	Exams

