



# Topic Overview - Computer Science

	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
YEAR 7	Introduction to computer science <u>Year 7 ICT</u> ICT Skills for Secondary School	Under the hood of a computer <u>Year 7 ICT</u> Safe Online Behaviour	The language of computers <u>Year 7 ICT</u> Word Processing	Cyber security <u>Year 7 ICT</u> Excel	Computational thinking <u>Year 7 ICT</u> Advanced Presentation Skills	Block based programming
YEAR 8	Web awareness	Computational thinking	The language of computers	Text Based Programming	Text Based Programming	Artificial Intelligence
YEAR 9	Computing Essentials	Computing Essentials	Intermediate Programming	Intermediate Programming	Dragons Den: A social media Project	Advanced digital skills
YEAR 10	Introduction to OCR GCSE Computer Science  Programming	Systems Architecture Memory Environmental issues  Programming	Storage Units Ethical issues  Programming	Data representation Cultural issues  Programming	Networks Legal, environmental, ethical and cultural issues Programming	Algorithms Robust Programs Boolean Logic  Programming
YEAR 11	Network Security Algorithms  Programming	Systems Software Integrated Development Environments Programming	Translators Levels of language  Programming	Revision and exam preparation	Revision and GCSEs	