KS3 - Computer Science

Students should develop the capacity to think logically, problem solve, and make appropriate decisions. They should develop and apply skills to program and use appropriate software and hardware. They should be able to select appropriate software and devices to suit a given task and tailor the end result to the chosen audience.

	AUTUMN TERM	SPRING TERM	SUMMER TERM
Year 7	● School Computer Systems ● Careers in Computer Science ● Collaborating Online ● Computational Thinking ● Algorithms - Flowol Bebras challenge Prep - Start Prepping Week beginning 16 October Students undertaker challenge	● Data Modelling ● Programming ● Python Turtle	● Data Representation ● Physical computing ● Website project (HTML & CSS)
	Baseline tests, Google Form multiple choice tests, Inspiring digital enterprise awards (iDEA) certificates, BEBRAS test	**Google Form multiple choice tests, Inspiring digital enterprise awards (iDEA) certificates**	**Google Form multiple choice tests, Inspiring digital enterprise awards (iDEA) certificates, Final assessment**

KS3 - Computer Science

	AUTUMN TERM	*SPRING TERM*	*SUMMER TERM*
Year 8	- Physical Computers - Network Topologies - Computational thinking Bebras challenge Prep - Start Prepping Week beginning 16 October Students undertaker challenge	- Data Representation - Programming	- Data Modelling - Spreadsheets – advanced - Coding
	Baseline tests, Google Form multiple choice tests, Inspiring digital enterprise awards (iDEA) certificates, BEBRAS test	**Google Form multiple choice tests, Inspiring digital enterprise awards (iDEA) certificates**	**Google Form multiple choice tests, Inspiring digital enterprise awards (iDEA) certificates, Final assessment**

	AUTUMN TERM	*SPRING TERM*	*SUMMER TERM*
Year 9	- Databases - Computational Thinking Bebras challenge Prep - Start Prepping Week beginning 16 October Students undertaker challenge	- Programming skills (Python) - Data Representation - Network Threats & vulnerabilities	- Website project (HTML & CSS) - Cryptography - Artificial Intelligence - Computer privacy & Ethics

	Baseline tests, Google Form multiple choice tests, Inspiring digital enterprise awards (iDEA) certificates, BEBRAS test	Google Form multiple choice tests, Inspiring digital enterprise awards (iDEA) certificates	Google Form multiple choice tests, Inspiring digital enterprise awards (iDEA) certificates, Final assessment