



Year 7 Computing Curriculum Intent

Term 1	Term 2	Term 3
Using Technology safely (Information Technology)	Algorithms (Computer Science)	Spreadsheets (Information Technology)
Computer Systems (Computer Science)	Flowol (Computer Science)	Programming with microbits: (Computer Science)
	Scratch (Computer Science)	Computational thinking Problem solving techniques

Year 8 Computing Curriculum Intent

Term 1	Term 2	Term 3
Network topology & protocols (Computer Science)	Python (Computer Science)	Creating original graphics for a specific end user (Information Technology/Digital Literacy)
Python (Computer Science)	Binary (Computer Science)	
	Ethics and the Law (Computer Science)	

Year 9 Computing Curriculum Intent

Term 1	Term 2	Term 3
Computational Thinking: (Algorithm & Flowcharts) Ethical issues, Cultural and Environmental issues Cultural issues: (Social well-being, digital divide,)	Ethical, Cultural and Environmental issues Changes in technology, artificial intelligence, natural resources, e-waste Programming Skills • Python skills booklet. • Variables, Data • Types, • Sequence • Logical • Operators, • Selection & Iteration	The iDEA award CITIZEN BADGE: Digital ethics. WORKER BADGES: The Digital research challenge. MAKER BADGES: Digital creativity and building: and making in the digital world. ENTREPRENEUR BADGES How to originate ideas and bring them to life. GAMER BADGES: Gamification techniques and learning how to make game.



Year 10 9-1 GCSE Computer Science OCR

Term 1		Term 2		Term 3	
Theory: Data Representation Boolean Logic Memory and Storage	Practical skills: Building on having learnt the following in Y9, students will implement these skills on small scale projects. Variables, Data types, Sequence Logical Operators, Selection & Iteration File Handling Arrays	Theory: Memory and Storage Algorithms Programming languages and Integrated Development Environment (IDE)	Practical skills: Building on having learnt the following in Y9, students will implement these skills on small scale projects. Store & retrieval of data Sub-programs Robust programs	Theory: System Software Networks	Practical Skills: Programming Project

Year 11 9-1 GCSE Computer Science OCR

Term 1		Term 2		Term 3
Theory: Computer networks, connections, and protocols System Architecture Network security	Revision and exam preparation Past paper questions. Exam technique.	Theory: Network Security	Revision and exam preparation	Revision and exam preparation. Past paper questions. Exam technique.

