Computer Science & Information Technology

Building on Key Stage 3

Computer Science
ICT
Digital Literacy

- Understand the hardware and software components that make up computer systems, and how they communicate with one another and with other systems
- Understand how instructions are stored and executed within a computer system.
- Understand how data of various types (including text, sounds and pictures) can be represented and manipulated digitally, in the form of binary digits.
- Undertake creative projects that involve selecting, using, and combining multiple applications, preferably across a range of devices, to achieve challenging goals, including collecting and analysing data and meeting the needs of known users
- Create, re-use, revise and re-purpose digital artefacts for a given audience, with attention to trustworthiness, design and usability
- Understand a range of ways to use technology safely, respectfully, responsibly and securely, including protecting their online identity and privacy; recognise inappropriate content, contact and conduct and know how to report concerns.

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2

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Unit 2
Planning, creating, modifying, and using databases / spreadsheets / automated document - Mail Merge and storing images - Logo.

Unit 2
Set Task Assessment
40 Hours / 120 marks
60% of Qualification

Unit 1
Theory

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Unit 2 – As above

Unit 1 - Theory
How IT can be used to fulfil the needs of organisations and individuals
How data and information is used and transferred
Legal, moral, ethical, cultural, and environmental impacts of IT and the need for cybersecurity

Unit 1 – EXAM

1 Hour 20 Mins
80 Marks
40% of Qualification