

KS3 Curriculum Overview 2023/24

Department: Computing

Description of KS3 Curriculum:

Students will understand the hardware and software components that make up computer systems, and how they communicate with one another and with other systems. Students will undertake creative projects that involve selecting, using, and combining multiple applications, across a range of devices, to achieve challenging goals, including collecting and analysing data and meeting the needs of known users. In addition, students will understand how 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.

Sequence of Learning:

KS3	Term 1 Content	Term 2 Content	Term 3 Content
Year 7	Impact of technology: Collaborating online respectfully Modelling data: Spreadsheets	Micro:Bit Binary	Programming Scratch 1 Website Design
Year 8	Media Vector Graphics Spreadsheet modelling	Developing for the Web Representations	Introduction to Python Computer Systems
Year 9	Computer Crime and Cyber Security Introduction to Python	Mobile App Development Data Science	Computer Systems Digital Media