



Key Stage: 3

Subject: Computing

Aims of the subject: To experience a range of skills in both Computer Science and IT. To develop a thirst for knowledge in these areas, enhance digital literacy and build the foundation for continued study at GCSE.

Year	What will I learn?	What will I do?
Year 7	<p>Term 1 Basics & online safety Hardware and software</p> <p>Term 2 Cyber security Scratch programming</p> <p>Term 3 Text based programming</p>	<p>You will learn about different types of devices and how to use technology safely and inform others by creating a document or presentation.</p> <p>You will learn about different threats relating to technology and how to prevent them.</p> <p>You will create simple programs using block-based and text-based programming languages.</p>
Year 8	<p>Term 1: Networks Data representation</p> <p>Term 2: Python programming</p> <p>Term 3: Open evening project</p>	<p>You will learn how computer networks are created and how to convert binary and hexadecimal to denary and ASCII.</p> <p>You will develop your text-based programming skills to create more complex programs.</p> <p>You will create a game aimed at primary school pupils for display at open evening.</p>

Extra-curricular opportunities

IT suites are always available at break, lunch and after school to practise your skills and develop them further.