



ICT: Year 7 Overview

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<p>Esafety</p> <p>Pupils will be taught about staying safe on line, keeping personal information secure, digital footprints and how to report problems. They will use this information to create a variety of publications aimed at different audiences</p>	<p>Microbit</p> <p>Using the BBCs online editor, pupils will learn how to program the Microbit to perform various tasks using sequencing, selection and iteration. These can then be downloaded onto a Microbit and tested.</p>	<p>Databases</p> <p>This unit is designed to give pupils an introduction into databases and will teach them:</p> <ul style="list-style-type: none">• What a database is used for• The different parts of a database• How to create simple and complex queries	<p>Spreadsheets</p> <p>This module is taught to give an overview of Excel. Students will be taught:</p> <ul style="list-style-type: none">• Features of Excel• Formatting a spreadsheet• Basic formulae• More advanced formulae• Data validation• Graphs and charts	<p>Kodu</p> <p>Using the Microsoft Kodu environment, pupils will design, create and test their own 3D game. This unit builds on the skills that they learned in the Microbit unit and introduces them to a different, more visual, style of programming</p>	<p>What are Computers</p> <p>This scheme of work will give learners an understanding of the key components that make up a computer system, including inputs, outputs and hardware. In addition they will be introduced to binary, computer networks, operating systems and computer health and safety.</p>