

Year 7	Autumn Year 7	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topics/Units to Be studied	Using Computers Effectively	Scratch		Introduction to Spreadsheets	Data Representation	E-safety
Core Knowledge and Skills	This topic teaches students to become familiar with using a computer, school network, setting up a correct file structure, saving their work and using Microsoft office packages to present their work and general ICT skills. The core skills provide the foundation for the rest of the years work within ICT and also cross curricular subjects. Students will be able to produce letters in word, interactive presentation, send and receive email and use Microsoft Teams.	The aim of this unit is to build learners' confidence and knowledge of the key programming constructs. Students will use a visual programming language to solve a variety of computational problems using the key constructs of Sequence, Selection and Iteration.	Students will be taught to understand the processes involved in creating graphics and will be provided with the knowledge and tools to create their own. Students will create a digital movie poster for a given audience.	The spreadsheet unit for Year 7 takes learners from having very little knowledge of spreadsheets to being able to confidently model data with a spreadsheet. The unit uses engaging activities to progress learners from using basic formulas to writing their own IF statements (Building on knowledge taught in programming) and using graphs to represent data.	Students are taught about the computers language and how all data is stored and processed within a computer. Students will learn that all types of data including images and sound have to be converted into binary before they can be understood by the CPU. They will be able to convert between different number bases and understand how images are stored within a computer.	Understand a range of ways to use technology safely respectfully, responsibly, and securely, including protecting their online identity and privacy. Students will recognise inappropriate content, contact and conduct and know how to report concerns

<p>Assessment (How do we know if pupils have learnt what we've taught them?⁸)</p>	<p>Formative: MCQS midterm Formative: key word definitions Summative: End of topic test on Using Computers Effectively with extended dirt</p>	<p>Formative: MCQS midterm Formative: Practice coding challenges introducing new skills Summative: End of topic test theory and practical based on Scratch with extended dirt</p>	<p>Formative: key word definitions Formative: Practice challenges using new skills Summative: Practical based challenge with extended dirt</p>	<p>Formative: Practice tasks introducing new skills Formative: key word definitions. Summative: End of topic test practical and theory based on producing spreadsheets using formulas with extended dirt</p>	<p>Formative: MCQS midterm Formative: Rapid Recall mid term practice Summative: End of topic test on Data Representation with extended dirt</p>	<p>Formative: MCQS midterm Formative: key word definitions Summative: End of topic test on Esafety with extended dirt</p>
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