

Curriculum Map – Computer Science Year 7

	1	2	3	4	5	6
Y7	<p>Topic Title: E-Safety</p> <p>Big questions: Why is it important to be organised and have a secure password?</p> <p>What are the risks online & how do I stay safe?</p>	<p>Topic Title: Programming (MSW Logo)</p> <p>Big questions: What is a computer program?</p> <p>How can I 'sequence' a set of commands in my code?</p> <p>What is 'iteration' and how can I use this in my code?</p> <p>How can I make my code more efficient?</p>	<p>Topic Title: Digital Literacy (MS Word & PowerPoint)</p> <p>Big questions: How can I use transferable skills to create documents for a given purpose & audience?</p> <p>How can I research accurate information?</p>	<p>Topic Title: Computer Systems</p> <p>Big questions: What is the difference between hardware and software?</p> <p>What is a Computer System and how does it work?</p>	<p>Topic Title: Photo-editing software (Photopea)</p> <p>Big questions: How do I draw, add colour & text?</p> <p>How do I edit & manipulate images to create a professional-looking design?</p>	<p>Topic Title: Programming (Edublocks - Python)</p> <p>Big questions: How can I use sequence, selection, iteration and assignment in my code?</p>
Links to NC	<p>Digital literacy <i>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</i></p>	<p>Computer Science <i>Use two or more programming languages, at least one of which is textual, to solve a variety of computational problems</i></p>	<p>Information Technology <i>Create, re-use, revise and re-purpose digital artefacts for a given audience, with attention to trustworthiness, design and usability</i></p>	<p>Computer Science <i>Understand the hardware & 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.</i></p>	<p>Information Technology <i>Create, re-use, revise and re-purpose digital artefacts for a given audience, with attention to trustworthiness, design and usability</i></p>	<p>Computer Science <i>Use two or more programming languages, at least one of which is textual, to solve a variety of computational problems</i></p>
Assessment	<ul style="list-style-type: none"> - E-safety assessment (top-tips) - CFU E-safety quiz 	<ul style="list-style-type: none"> - PowerPoint with MSW logo code - MSW logo CFU quiz 	<ul style="list-style-type: none"> - Crookhorn PowerPoint aimed at different audiences 	<ul style="list-style-type: none"> - CFU quiz - Report recommending computer system for different scenarios, with justifications 	<ul style="list-style-type: none"> - CFU quiz - Collection of students photo-editing work in PowerPoint 	<ul style="list-style-type: none"> - CFU quiz - Lesson 6 project (data types, variables, user input, functions, loops) - End of year assessment