

Curriculum Map – Year 7 Computer Science 2024 - 2025

	1	2	3	4	5	6
Y7	<p>Topic Title: E-Safety, Digital Literacy & IT</p> <p>Big questions: How do I stay safe in a digital world?</p> <p>How can I use transferable skills to create documents for a given purpose & audience?</p> <p>How can I present my work?</p>	<p>Topic Title: Physical computing & programming (MSW Logo)</p> <p>Big questions: What is an algorithm?</p> <p>How do I apply programming skills with physical computing?</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: 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>How does a Computer process data? (binary basics)</p>	<p>Topic Title: Programming (Edublocks – Python)</p> <p>Big questions: What is computational thinking?</p> <p>How can I use sequence, selection, iteration and assignment in my code?</p>	<p>Topic Title: IT & Digital Literacy</p> <p>Big questions: How do I select the most appropriate software for a task?</p> <p>How do I consider the audience in my work?</p> <p>How do I know which images & sources to use? (Copyright, source credibility, plagiarism).</p>	<p>Topic Title: Vector graphics</p> <p>Big questions: What is a vector graphic?</p> <p>How do I use graphics editing software to create images?</p>
Links to NC	<p>Digital literacy & information technology</p> <p>- this topic covers bullet points 7, 8 & 9 of the National Curriculum Programme of Study at Key Stage 3.</p>	<p>Computer Science</p> <p>- this topic covers bullet points 3 of the National Curriculum Programme of Study at Key Stage 3.</p>	<p>Information Technology</p> <p>- this topic covers bullet points 4, 5 & 6 of the National Curriculum Programme of Study at Key Stage 3.</p>	<p>Computer Science</p> <p>- this topic covers bullet points 3 of the National Curriculum Programme of Study at Key Stage 3.</p>	<p>Information Technology</p> <p>- this topic covers bullet points 7 & 8 of the National Curriculum Programme of Study at Key Stage 3.</p>	<p>Computer Science</p> <p>- this topic covers bullet points 7 & 8 of the National Curriculum Programme of Study at Key Stage 3.</p>
Assessment	<ul style="list-style-type: none"> - E-safety assessment - CFU E-safety quiz - Annotated PowerPoint slide 	<ul style="list-style-type: none"> - PowerPoint with algorithm tasks & MSW logo code - MSW logo CFU quiz 	<ul style="list-style-type: none"> - Report recommending computer system for different scenarios, with justifications - ItsLearning CFU quiz 	<ul style="list-style-type: none"> - Coding challenge (data types, variables, user input, functions, loops) - CFU quiz 	<ul style="list-style-type: none"> - Blog post to gain support for a cause - CFU quiz 	<ul style="list-style-type: none"> - CFU quiz - Collection of students photo-editing work in PowerPoint - End of year assessment

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