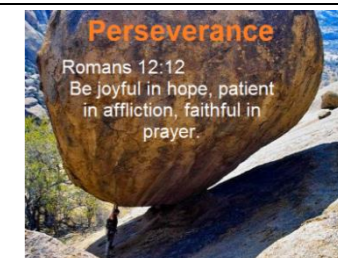




KS2 Computing Concept and Curriculum Map



Programming	Multimedia	Technology	Data Handling	Online Safety
The process of writing computer programs which are a series of instructions given to a computer in order to carry out certain operations and help the computer to run smoothly.	Combination of technologies to create an instructional programme or experience.	Any invention, including tools, machines, materials, techniques, and sources of power that make work and lives easier for the people.	The process of gathering, recording and presenting information in a way that is helpful to others.	The safe and responsible use of technology.

Ruby	Sapphire	Topaz
<p>Curriculum Content:</p> <ul style="list-style-type: none"> design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts use sequence, selection, and repetition in programs; work with variables and various forms of input and output use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact. <p>Elim unit titles: Making My Program in Scratch (Programming) My Scratch Games (Programming) Make My eBook (Multimedia) Comic Book or PP (Multimedia) My Safe Searching (Technology) Check My Facts (Technology) Showing My Device Time (Data Handling)</p>	<p>Curriculum Content:</p> <ul style="list-style-type: none"> design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts use sequence, selection, and repetition in programs; work with variables and various forms of input and output use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact. <p>Elim unit titles: Scratch My Roman Numerals (Programming) Presenting My Information (Multimedia) Improve My Web Detective Skills (Technology) Discovering My Solar System (Data Handling) Online safety – 1 lesson per half term (Online Safety)</p>	<p>Curriculum Content:</p> <ul style="list-style-type: none"> design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts use sequence, selection, and repetition in programs; work with variables and various forms of input and output use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact. <p>Elim unit titles: Test My Topic (Programming) Sell My School (Multimedia) Move My Information (Technology) Answer My Questions (Data Handling) Online safety – 1 lesson per half term (Online Safety)</p>

Investigating My Sounds (Data Handling) Online safety – 1 lesson per half term (Online Safety)		
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Unit Plans: <https://somesetcc.sharepoint.com/sites/EDTECHSSE/SitePages/New%20Wessex%20Planning.aspx>

Online Safety: <https://somesetcc.sharepoint.com/sites/EDTECHSSE/SitePages/ActiveBYTES.aspx>