



Computing – Long Term Plan (Y3)

Term	Mr. P ICT – DARES Project Link/Project Evolve E-safety	Skills/Knowledge cover from Mr. P ICT/Project Evolve E-safety	KS2 National Curriculum Coverage (1.1-1.7)
Autumn 1	<p>Lesson 1 = Knowledge Map; assess understanding and plan lessons. To be added to teams folder: Year group knowledge map</p> <p>Lesson 2 – 6 = Lesson plans from the knowledge map</p> <p>*Subject lead to check lesson plans/curriculum coverage</p>		1.7- use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact
Autumn 2	Programming – Animations in Scratch	<p>Computational Thinking</p> <ul style="list-style-type: none"> • I know how to create algorithms for my programming projects • I know how to decompose projects (such as animation) into separate steps to create an algorithm • I understand abstraction is focusing on important information • I know how to identify patterns in algorithm <p>Coding/Programming</p> <ul style="list-style-type: none"> • I know how to design a program • I know how to create a program using a design • I know how to create a sequence of code • I know how to evaluate my program 	<p>1.1 -design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts</p> <p>1.2 -use sequence, selection, and repetition in programs; work with variables and various forms of input and output</p> <p>1.3 -use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</p>



Spring 1	Networks – Network Explorer	<p>Computer Networks</p> <ul style="list-style-type: none"> • I understand that the computers in a school are connected together in a network • I understand why computers are networked <p>Video Creation</p> <ul style="list-style-type: none"> • I know how to sequence clips of mixed media in a timeline and record a voiceover 	<p>1.4 -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</p> <p>1.6 -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</p>
Spring 2	Podcasting – Creating an audio interview of information show	<p>Word processing/typing</p> <ul style="list-style-type: none"> • I can combine digital images from different sources, objects, and text to make a final piece of a variety of tasks: posters, documents, eBooks, scripts, leaflets <p>Video</p> <ul style="list-style-type: none"> • I can write and record a script using a teleprompter tool <p>Sound</p> <ul style="list-style-type: none"> • I can edit sound effects for a purpose • I can record a radio broadcast or audiobook 	<p>1.6 -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</p>
Summer 1	Photography and Digital Art – Digital Self Portraits	<p>Photography and Digital Art</p> <ul style="list-style-type: none"> • I can create a digital image using a range of tools, pens, brushes and effects <p>Computational Thinking</p>	<p>1.6 -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</p>



		<ul style="list-style-type: none">I understand abstraction is focusing on important information Self-Image and Identity <ul style="list-style-type: none">I can explain how I can represent myself in different ways onlineI can explain ways in which and why I might change my identity depending on what I am doing online (e.g. gaming; using avatar; social media)	<p>that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</p> <p>1.2- use sequence, selection, and repetition in programs; work with variables and various forms of input and output</p> <p>1.7- use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact</p>
Summer 2	Lesson 1 – 6 = Lesson plans from the knowledge map *Subject lead to check lesson plans/curriculum coverage		<p>1.7- use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact</p>