

Computing – Long Term Plan (Y5)

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	Lesson 1 = Knowledge Map; assess understanding and plan lessons. To be added to teams folder: Year group knowledge map Lesson 2 – 6 = Lesson plans from the knowledge map *Subject lead to check lesson plans/curriculum coverage		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 – Platform Game in Scratch	Computational Thinking <ul style="list-style-type: none"> • I know how to use logical reasoning to explain how a variety of algorithms work • I know how to evaluate the effectiveness of algorithms Coding/Programming <ul style="list-style-type: none"> • I know how to create programs by decomposing them into smaller parts • I know how to use a variety of selection commands in programs • I know how to use conditions in repetition commands • I know how to work with variables • I know how to create programs that control or simulate physical systems 	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 1.2- use sequence, selection, and repetition in programs; work with variables and various forms of input and output 1.3-use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs

		<ul style="list-style-type: none"> I know how to evaluate my work and identify errors 	
Spring 1	Presentation – Simple web page design	Presentations, web design and eBook Creation <ul style="list-style-type: none"> I can create a webpage and embed video Video Creation <ul style="list-style-type: none"> I know how to evaluate and improve the best video tools to best explain my understanding 	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
Spring 2	Networks – Search Engines	Computer Networks <ul style="list-style-type: none"> Understand that web spiders index the web for search engines Appreciate how pages are ranked in a search engine Presentations, web design and eBook Creation <ul style="list-style-type: none"> I know how to create and export an interactive presentation including a variety of media, animations, transitions and other effects Photography and Digital Art <ul style="list-style-type: none"> I know how to enhance digital photos and images using crop, brightness and resize tools 	1.5- use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content 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
Summer 1	Video Creation – Green Screen News Report	Word Processing/Typing <ul style="list-style-type: none"> I know how to organise and reorganise text on screen to suit a purpose Video Creation	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

		<ul style="list-style-type: none"> • I know how to use cutaway and split screen tools in iMovie. • I know how to evaluate and improve the best video tools to best explain my understanding. • I know how to further improve green screen clips using crop and resize and explore more creative ways to use the tool - wearing green clothes and the masking tool Computational Thinking <ul style="list-style-type: none"> • I know how to solve problems by decomposing them into smaller parts 	<p>collecting, analysing, evaluating and presenting data and information</p> <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>
Summer 2	<p>Lesson 1 – 6 = Lesson plans from the knowledge map</p> <p>*Subject lead to check lesson plans/curriculum coverage</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>