Computing – Long Term Plan (Y6)

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	3D design – recreate a pattern	**Coding and Programming** • I know how to use a range of sequence • Selection and repetition commands to implement my design **Computational Thinking** • I know how to decompose a design or code to focus on specific parts • I know how to recognise and make use of patterns in my design and code	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

| Spring 1 | Animation - GIF | **Animation**
 • I know how to choose and create different types of animations to best explain my learning
 • I can make an animated talking Gif of a cartoon character

 Video Creation
 • I know how to create videos using a range of media - green screen, animations, film and image

 Computational Thinking
 • I know how to critically evaluate my work and suggest improvements

 Online Reputation
 • I can explain the ways in which anyone can develop a positive online reputation | 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

 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

 1.7- use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact |

Spring 2	Networks - HTML	**Computer Networks** • Understand what HTML is and recognize HTML tags • Know a range of HTML tags and remix a web page • Create a webpage using HTML	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
Summer 1	Podcasting	**Word processing/typing** • 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 **Video** • I can write and record a script using a teleprompter tool **Sound** • I can experiment with live loops to create a song • Edit sound effects for a purpose • I can record a radio broadcast or audiobook	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 2	Lesson 1 – 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