

Computing Long Term Plan 2019/20

Term	Assessment Period 1	Assessment Period 2	Assessment Period 3
Year 1	E-safety – Where do I go for help if something upsets me online? How can I use technology to record my ideas? – Introduction to using iPads to record ideas through taking photographs, using drawing packages and simple storyboards.	Algorithms and simple programming How can I use technology to collect and present my ideas? Developing skills and knowledge of using different apps to collect and present ideas.	How can I use technology to collect and present my ideas? Further developing independence at using different apps and ways to collect and present ideas.
Year 2	E-safety – How can I be safe when I am online? How can I use technology to create, store and retrieve digital content? Using a range of apps to create digital content, such as images, storyboards, videos, animations.	How can I use technology to create, organise, store, manipulate and retrieve content? – Developing knowledge and skills in using a range of apps. How do I find errors in a program? – Using Bee-Bots and Scratch Jnr pupils will begin to debug programs to find errors and identify how these can be corrected.	How can I use technology to create, organise, store, manipulate and retrieve content? – Continue to develop skills and understanding of using different apps, promoting independence in choosing which app is most suited to task. Organising work and editing existing content. .
Year 3	E-safety – What does acceptable behaviour online look like? What software can I use to achieve my goal? – Developing knowledge and understanding of different software.	How can I share information on a network? How can programming help me to simulate real life events?	What software can I use to achieve my goal? – Developing greater independence in using a range of software to achieve a specific goal. How do I design, create and debug my own program? – Using coding blocks to create a program and check for errors.
Year 4	E-safety – How can people be responsible online? How do I use and combine software to achieve my goal? – Creating digital content while developing understanding and knowledge of a range of programs.	What does it mean to decompose a program? – Understanding how programs are designed by looking at existing programs and breaking them down into smaller parts. How are search results ranked? How do I use and combine software to achieve my goal? – Developing greater independence at selecting and using software for a given purpose.	How can I use and combine software to achieve my goal? – CAD design How can I demonstrate logical reasoning?
Year 5	Introduction to cloud storage E-safety – How do I identify age appropriate content online? How can I use internet services to share information?	Programming - How are sequencing and repeats used in programming? Independently select, use and combine a variety of software to design and create content for a given audience.	How can I design and create content for a given audience by combining software? What is meant by text based programming language?
Year 6	E-safety – How do I respond to unacceptable content, contact and conduct online?	How do I use software to collect, analyse and evaluate data? How do computers communicate with each other?	How can programming help me explore real world systems?
	How can I use text based programming language to design more complex programs?		