



Subject: Computing

Long Term Planning: Subject Overview

Year group: Year 5

P.O.S	Week #	Autumn 1 Unit 1	Autumn 2 Unit 2	Spring 1 Unit 3	Spring 2 Unit 4	Summer 1 Unit 5	Summer 2 Unit 6
Computer Science Information Technology E-safety Digital Literacy	1	Unit 1 - We are game developers	Unit 2 – we are cryptographers	Unit 3 – we are artists	Unit 4 – we are web developers	Unit 5 – we are bloggers	Unit 6 – we are architects
	2	Create music for use in their game Use selection and repetition in their game	Send and receive messages using Morse and semaphore beyond line-of-sight	Create a tessellating pattern Write a program to draw a simple shape	Review others' content Appreciate how Google selects web pages in search results	Understand how to use blogs safely and responsibly Understand how the internet makes blogging possible	Use the web to explore virtual art galleries Create simple objects using SketchUp
	3	Correct errors in their game Improve their game on the basis of the feedback they receive	Decrypt messages using the Caesar cipher with an unknown key	Create a pattern using overlapping shapes	Show awareness of other search engines Create or curate content to demonstrate knowledge of safe, respectful and responsible use of technology	Write a blog post Comment on a blog post	Create a simple gallery space in SketchUp Add furniture to their gallery in SketchUp
	4	Add instructions to their game	Recognise the importance of using complex passwords Understand how to check if a web page is encrypted	Create a pattern using repeating, varied shapes Create a computer-generated landscape	Create or curate content to demonstrate knowledge of how to report concerns	Add an image, audio or video to a blog post	Add their artwork to the gallery Create an animated walkthrough of their gallery
	5						
	6						
	7						