



Computing Subject Knowledge Overview

Year group/ term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
1	<p>E-Safety: I am learning who a trusted is and how to keep myself online.</p> <p>Computing Systems: I am learning how technology can help us in our everyday lives</p>	<p>Creating Media: I am learning how to use a range of tools to create a digital painting</p>	<p>Programming: I am learning how to use individual commands to control a floor robot</p>	<p>Data & Information: I am learning how to group objects to answer a question</p>	<p>Creating Media: I am learning how to use a computer to create and change text</p>	<p>Programming: I am learning how to create an animation using sprites</p>
2	<p>E-Safety: I am learning what personal information is and not to share it.</p> <p>Computing Systems: I am learning how IT can help us in our everyday lives I am learning how to use IT responsibly</p>	<p>Creating Media: I am learning to apply skills to capture photographs I am learning how photographs can be affected</p>	<p>Programming I am learning how to test and debug programs for a floor robot.</p>	<p>Data & Information: I am learning to use a computer to present data I have collected</p>	<p>Creating Media: I am learning how to create music using a computer</p>	<p>Programming: I am learning how to create a sequence of commands that have a desired outcome</p>
3	<p>E-Safety: I am learning what age certificates are and how they help protect me.</p> <p>Computing Systems: I am learning how devices in a network are connected together</p>	<p>Creating Media: I am learning to create an animation using a computer</p>	<p>Programming: I am learning how to create sound using a computer</p>	<p>Data & Information I am learning o use a branching database to sort information</p>	<p>Creating Media: I am learning how desktop publishing can be used to communicate information</p>	<p>Programming: I am learning how to create a sequence of connected commands to program different sprites</p>
4	<p>E-Safety: I am learning that people can pretend to be other people and take over people's accounts.</p> <p>Computing Systems: I am learning to decide how honest and reliable content on the Internet is</p>	<p>Creating Media: I am learning how to create a sound using multiple effects</p>	<p>Programming: I am learning how to plan, modify and test commands to create shapes and patterns.</p>	<p>Data & Information I am learning how to collect data using a data logger</p>	<p>Creating Media: I am learning how to combine text and images in a project</p>	<p>Programming: I am learning how count controlled and infinite loops can be used in animations and games</p>
5	<p>E-Safety: I am learning what cyberbullying is and what to do if I or someone I know is a victim of it.</p>	<p>Computing Systems: I am learning how to conduct a search over the Internet</p> <p>Creating Media: I am learning how to capture, edit and manipulate video</p>	<p>Programming: I am learning how to use the if then else structure to select different outcomes</p>	<p>Data & Information: I am learning how to use tools within a database to answer questions and present information</p>	<p>Programming: I am learning how to use a microcontroller (Crumble) to control components</p>	<p>Creating Media: I am learning how to create a vector drawing</p>
6	<p>E-Safety: I am learning some of the risks of meeting someone I have only met online.</p> <p>Computing Systems: I am learning how data is transferred over the Internet I am learning what should and should not be shared over the Internet</p>	<p>Creating Media I am learning how to construct a website</p>	<p>Programming I am learning how variables are used within a game</p>		<p>Data & Information: I am learning how to use formulas within a spreadsheet to calculate data I have inputted</p>	<p>Creating Media: I am learning how to work in a 3d space by moving, resizing and duplicating objects.</p>