



Y1 Computing Medium Term Plan

	Autumn 1	Spring 1	Summer 1
Topic	We are Explorers E-safety	Blast from the Past Computer Scientists (e-safety review)	Over and Under the Sea Learning to be Creators (e-safety review)
Significant Person	Jack O'Dell	Queen Elizabeth First	Christopher Columbus
Vocabulary	Website, online, internet, digital footprint, cyberbully, bully, safe, respect, personal information, search engine, search, key words, safe, meet, accept, reliable, tell.	Instructions, algorithm, sequence, order, debugging, mistake, direction, forward, backwards, left, right, turn, program.	Digital, art, traditional, feature, technology, image, reflect, camera, image, import, edit, still, moving, video, data, pictogram, collect, information.
I will know....	<ul style="list-style-type: none"> • I know that I should only use websites that are age appropriate. • I know that if I am unsure of a website that I should check it with an adult. • I know that information stored online can be easily found. • I know that any information I share about myself online can be found by others. • I understand what a digital footprint is. • I understand what a cyberbully is. • I know what to do if I feel I have been bullied online. 	<ul style="list-style-type: none"> • I can follow instructions accurately. • I can give accurate instructions. • I know that accurate instructions are important. • I know that computers follow instructions exactly how they are given. • I know that algorithms are a sequence of instructions. • I can write an accurate list of instructions. • I can follow instructions and recognise where there are mistakes. • I know that recognising and correcting mistakes in an algorithm is called debugging. • I can follow directional instructions accurately. 	<ul style="list-style-type: none"> • I can recognise the difference between digital and traditional art. • I can identify features of digital art. • I can use technology to create digital images. • I can reflect on my work and make changes. • I can use a digital camera to take images. • I can import images into my work and record information about it. • I can use a digital photo editor to make changes to an original image. • I know that a digital camera can take still and moving images. • I can use a digital camera to record moving images and recognise some of the skills needed.

	<ul style="list-style-type: none"> • I know how to treat people with respect. • I know how to be safe when looking for information online. • I can use a search engine and understand keywords. 	<ul style="list-style-type: none"> • I know that algorithms need to be written accurately to work. • I know that algorithms can be debugged to make them work correctly. • I can program an onscreen turtle to follow my instructions. • I know how the onscreen turtle will behave when given different instructions. • I know how to debug my program to make it work. 	<ul style="list-style-type: none"> • I know that data can be represented in a pictogram. • I know that a pictogram can display information clearly. • I can collect data to create my own pictogram.
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