



Computing Curriculum: Year 1

What are the aims and intentions of this curriculum?

That children:

- Are able to identify who to go to with concerns
- Can use digital devices to create digital content
- Can begin to understand algorithms and implement them on a device

Term	Topic	Knowledge	Skills	Assessment
Autumn 1	<u>How can you predict what a program will do?</u>	<ul style="list-style-type: none"> • Know that a robot can be programmed with a simple sequence of instructions • Know what algorithms are • Know that the behaviour of programs can be predicted 	<ul style="list-style-type: none"> • To make simple predictions about an algorithm • To debug simple sequences to make improvements 	
		Vocabulary: program, predict, debug, sequence		
Autumn 2	<u>How can photos and videos be taken?</u>	<ul style="list-style-type: none"> • Know how to use a QR code to evidence work • Know that certain apps on devices can be used to take photographs • Know that photographs can be viewed using a device 	<ul style="list-style-type: none"> • To select an app to take photographs • To retrieve photographs previously taken • To use a QR code to evidence work 	
		Vocabulary: app, applications, QR code		
Spring 1	<u>How can a robot be programmed to follow instructions?</u>	<ul style="list-style-type: none"> • Know which button on a device represents which action • Know how to sequence instructions to make a robot move • To know that simple algorithms can be turned into instructions on a device 	<ul style="list-style-type: none"> • To make simple sets of instructions • To make a robot or digital character follow simple sequence • To implement algorithms onto a device 	
		Vocabulary: algorithm, sequence, instruction		



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Spring 2	<u>What should you do if you are unsure about something you see online?</u>	<ul style="list-style-type: none">• Know that they should always ask an adult for help before using the internet• Know what to do if they are unsure of something they see whilst using the internet• Know what personal information is and the importance of keeping it private	<ul style="list-style-type: none">• To identify trusted adults• To explain what to do when viewing something they are unsure of	
		Vocabulary: internet, personal information, unsure, trusted adult		
Summer 1	<u>How can text be created on a device?</u>	<ul style="list-style-type: none">• Know how to type using space bar to separate words• Know how to navigate a screen with a mouse• Know how to type to create something meaningful	<ul style="list-style-type: none">• To type using a keyboard or onscreen keyboard• To use the space bar to separate words	
		Vocabulary: keyboard, mouse, keys, space bar, return		