



Computing Curriculum: Year 4

What are the aims and intentions of this curriculum?

That children:

- Recognise and use repetition in programs they have developed
- Can develop interactive content such as presentations/animations
- Know how to report concerns online and is aware of their digital footprint

Term	Topic	Knowledge	Skills	Assessment
Autumn 1	<u>How can programmers use sequences?</u> Software: Rapid router	<ul style="list-style-type: none"> • To know how programs use sequences • To know that programs can use conditionals • To know what an algorithm is 	<ul style="list-style-type: none"> • To develop algorithms • To create sequences within a program • To debug an algorithm • To use conditional statements in an algorithm 	
		Vocabulary: algorithm, conditional, debug, program, sequence		
Autumn 2	<u>How can search engines be used to find information?</u> Software: Google	<ul style="list-style-type: none"> • To know what key words are • To know that a search engine produces a list of results • To know that filtering tools can be used to improve search results 	<ul style="list-style-type: none"> • To use key words to search effectively • To select useful websites from a list • To use filtering tools to improve the results in a search 	
		Vocabulary: key word, search bar, filter, rank, search engine		
Spring 1	<u>How can information online end up with strangers?</u>	<ul style="list-style-type: none"> • Know that pictures online can end up with strangers • Know what to do if exposed to unpleasant materials on a device • Know how to create complex passwords 	<ul style="list-style-type: none"> • To identify ways to stay safe online • To create secure/complex passwords • To identify ways to report unpleasant materials online 	
		Vocabulary: password, complex, social media, privacy settings, block, sharing		



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<p>Spring 2</p>	<p><u>How can digital work be formatted?</u></p> <p>Software: Pages</p>	<ul style="list-style-type: none"> • Know how to change font size and style • Know how to include shapes and background images • Know that words can be checked using a spellcheck function • Know that work can be retrieved more easily by effectively organising folders 	<ul style="list-style-type: none"> • To save and retrieve documents • To change font style • To insert images/shapes • To alter the background • To use a spellcheck function 	
<p>Vocabulary: organise, retrieve, save, insert, format, spellcheck</p>				
<p>Summer 1</p>	<p><u>How to create a program with repetition?</u></p>	<ul style="list-style-type: none"> • Know what an algorithm is • Know how algorithms are sequenced • Know loops can be used to perform sequences • Know that sequences can be repeated 	<ul style="list-style-type: none"> • To create algorithms • To sequence code using block programming • To create simple loops 	
<p>Vocabulary: algorithm, sequence, repetition, loops, variables, nested procedure</p>				
<p>Summer 2</p>	<p><u>How can information be presented to others?</u></p>	<ul style="list-style-type: none"> • Know that slides can be sequenced • Know that text can be formatted for an effective presentation • Know that text and images can be animated for effect in a presentation 	<ul style="list-style-type: none"> • To sequence slides in a suitable order • To format text, backgrounds and images • To animate slides, text and images 	
<p>Vocabulary: sequence, format, animate, transition</p>				