

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Computer science (how computers and networks work and programming)	<p>We are Treasure Hunters</p> <p>Instructing a programmable toy (Autumn)</p>	<p>Coding</p> <p>Learn that programs execute by following clear instructions and respond to inputs to do different things (Autumn)</p>	<p>Coding</p> <p>Recognising that programs respond to different inputs: keyboards, clicks and on-screen objects can be used (Autumn)</p>	<p>Coding</p> <p>Making things happen in a sequence, creating simple animations and simulations, and using 'if statements' (Spring & Summer)</p>	<p>Coding</p> <p>Using variables to count and keep track of things, creating games with a scoring variable and using repetition and loops (Spring)</p>	<p>Coding</p> <p>How computers use numbers to represent things such as speed and position of objects and how random numbers can be generated and used in simulations (Autumn)</p> <p>HTML</p> <p>Using tags and adding text and images to HTML webpages, formatting font size and colour and adding hyperlinks (Summer)</p>	<p>Coding</p> <p>Using variables in more complex ways and to manipulate inputs to create useful outputs. Understanding how computers use property values and parameters to store information about objects. (Autumn)</p> <p>Python</p> <p>Print lines of text on screen, do calculations, use variables, debug problems, use turtle graphics, draw shapes using code, combine loops, create functions (Spring)</p>

<p>Information technology (use of computers for functional purposes)</p>	<p>We are Painters</p> <p>Using paint software (Summer)</p>	<p>Word Processing</p> <p>Typing, saving and varying text (Spring)</p> <p>We are Collectors</p> <p>Using the internet to find images (Summer)</p>	<p>We are detectives</p> <p>Using email (Spring)</p> <p>We are Researchers</p> <p>Use the internet to research and then create, store, manipulate and retrieve digital content (Summer)</p>	<p>Word Processing</p> <p>Using screenshots, keyboard shortcuts, text alignment, advanced select, bullets, numbering and text boxes (Autumn)</p>	<p>Power Point</p> <p>Hyperlinks, slide transitions, animations, audio and video and layout (Autumn)</p> <p>Internet Research</p> <p>How search functions work, how word order affects search results, bookmarking and online conduct (Summer)</p>	<p>We are Network Engineers</p> <p>Name and describe network hardware and commands, know how data is passed across the internet and understand how networks keep us safe (Spring)</p>	<p>Spreadsheets</p> <p>Identify and refer to cells by row and column, enter formulae with the SUM function, edit data, understand the advantages of using spreadsheets, sort data and create graphs (Summer)</p>
<p>Digital literacy (the safe and responsible use of technology)</p>	<p>Ways of communicating online, what to share or not share online and basic safety rules (Autumn – revisited in</p>	<p>What do if upset by something online, what bullying behaviour online can look like and that feelings can be</p>	<p>Describing negative effects from spending too much time online, finding information online safely and getting help with online</p>	<p>Recognising harmful online situations, understanding what malware is, respecting choices, safe sharing, recognising fake</p>	<p>Online consent, safe sharing, recognising edited images, in-app purchases, digital personalities</p>	<p>Understanding that people on the internet may not be who they seem, future impact of online behaviour, safety rules, how online behaviour is monitored and safe</p>	<p>Respectful and safe online conduct, safe sharing, seeking help, online influencers, age restrictions, active, passive and assumed consent,</p>

	Spring and Summer)	hurt online as well as in real life (Autumn – revisited in Spring and Summer)	problems (Autumn – revisited in Spring and Summer)	news and how to get help online (Autumn – revisited in Spring and Summer)	and footprints, online commerce and advertising (Autumn – revisited in Spring and Summer)	sharing (Autumn – revisited in Spring and Summer)	nudes and the law and online bullying (Autumn – revisited in Spring and Summer)
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