



Willow Wood Community Nursery and Primary School Computing Progression Grid



The progression grid outlines the specific knowledge which pupils are expected to learn in each phase, over a two year cycle, along with the specific vocabulary which supports this understanding.

Digital Literacy

Skills	<p>At EYFS:</p> <p>Children recognise that a range of technology is used in places such as homes and schools. Pupils learn that they can go to exciting places online, but they need to follow certain rules to remain safe</p>	<p>Year 1:</p> <p>D1.To recognise common uses and purposes of technology beyond school. D2.Use Technology Safely and respectfully. D3. Keep information privately. D4. Identify where to go for help and support.</p>	<p>Year 2:</p> <p>D1.To recognise common uses and purposes of technology beyond school. D2.Use Technology Safely and respectfully. D3. Keep information privately. D4. Identify where to go for help and support.</p>	<p>Lower KS2:</p> <p>D1. I know what is acceptable and unacceptable behaviour when using the internet and being online. D2. I know how to effectively use search engines</p>	<p>Upper KS2:</p> <p>D1. I know how search engines rank search results and how that can help me when researching and using the internet. D2. I know how data transmits between digital computers over networks e.g. IP addresses.</p>
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Computer Science

Skills	<p>At EYFS:</p> <p>They can switch devices on and off safely. Can use a range of technology.</p>	<p>Year 1:</p> <p>C1.To know how to log on to a device. C2. Understand the purpose of a range of different technology, eg, tablets, laptops, microphones, cameras. C3. To understand what algorithms are and how we use them.</p>	<p>Year 2:</p> <p>C4. Create and debug simple programs. C5. Create precise and unambiguous instructions C6.Use logical reasoning to predict behaviour of simple programmes.</p>	<p>Lower KS2:</p> <p>C1. I can find and correct simple errors by debugging C2. I can use logical reasoning to predict outputs showing an awareness of inputs C3. I can create programs that use algorithms to achieve desired goals.</p>	<p>Upper KS2:</p> <p>C4 I can design solutions by breaking down the parts into sub-sections. C5 I know that different solutions exist for the same problem and can perform different solutions. C6 I can design, write and debug programs using procedures.</p>
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Information Technology

Skills	At EYFS: They select and use a range of technology for a particular purpose.	Year 1: IT1. To use technology purposefully to create digital content, begin to save and retrieve pictures and text (Powerpoint, Microsoft word. IT2. To know how to select and launch a programme/app	Year 2: IT1. To use technology purposefully to create digital content, begin to save and retrieve pictures and text (Powerpoint, Microsoft word. IT2. To know how to select and launch a programme/app	Lower KS2: IT1. I can use technology independently to collect, organise and present digital content. IT2. I can use a variety of software to present digital content and information.	Upper KS2: IT3. I know the audience when I am designing and creating digital content IT4. I can choose an appropriate program to collect, organise and present a variety of digital content.
	Overarching Computing Vocabulary				
		Digital Literacy	Computer Science	Information Technology	
	EYFS	Technology E-safety Cyberbullying Personal information Private Online Website	Tablets Ipads Technology Laptops Beebots Microphone Keyboard Algorithms Program Precise Logical reasoning Arrow buttons Mouse Data	Search engine Browser toolbar Research Layout Appropriate Webpage Digital footprint Online Website Content keywords	

	KS1	Technology E-safety Cyberbullying Personal information Private Online Website	Tablets Ipads Technology Laptops Beebots Microphone Keyboard Algorithms Program Precise Logical reasoning Arrow buttons Mouse Data	Search engine Browser toolbar Research Layout Appropriate Webpage Digital footprint Online Website Content keywords
	Lower KS2	Technology E-safety Cyberbullying Digital footprint Acceptable Unacceptable Online service Network	Beebots Algorithms Debug Precise Logical reasoning Data Precise	Browser toolbar Research Layout Webpage Digital footprint Content Solutions Communication Audience Design
	Upper KS2	Cyberbullying Digital footprint Acceptable Unacceptable Online service Transmits Transmission Rank	Beebots Algorithms Debug Precise Logical reasoning Procedures	Layout Solutions Communication Software Evaluate Quality Construct