



Computing	<div><div><u>Willow pathway</u></div><div></div><div>Creative curriculum (Topic)</div></div>
Curriculum cycle - Year 1 (2024-2025)	
Our Willow pathway work on a topic based curriculum. Individual subject key learning is shown below however, this is taught in a creative cross-curricular way.	

Caterpillar	Autumn		Spring		Summer	
	Traditional Tales	Colours	Bears	The Farm	At the Zoo	People Who Help Us
	Exploring Technology	Staying Safe Online	Multimedia - Digital Painting	Data	Multimedia - Digital images	Switches
Key Learning	Pupils will recognise technology in the classroom Pupils will interact with technology within the classroom and be inquisitive when exploring this	Pupils will have access to the internet in school, they will be supported to only access appropriate material. This will include accessing TV shows, videos, playing games and finding things out Pupils will be encouraged to seek permission from an adult before	Pupils will begin to use a painting software, with support With support, pupils will use brush tools to create a digital painting	Pupils will use computing software to support their mathematical development including counting numerals and objects and sorting Pupils will respond to images and sounds	Pupils will select and use colours in a digital painting, with prompts. Pupils will be supported to use shapes to recreate a basic digital painting and fill those shapes with colour	Pupils will have the opportunity to explore and respond to a variety of cause-and-effect switches Pupils will be encouraged to press a switch to create a specific action Pupils will begin to understand the key

		accessing the internet Pupils will begin to understand that access to the internet is limited				vocabulary 'on' and 'off'
Key Vocabulary	Computer, ipad, switches	Yes, no, 'Ipad please'	Colours, paint, touch, look	Count, touch, wow!	Colours, paint, touch, look	On, off, press
Trips and Visits	Little Moreton Hall, Woolston/Warrington Library	Eureka!	Bolton Museum	Acorn farm CAST Applejack farm	Chester Zoo, Knowsley Safari Park	Police Station Fire Station

Bumblebee	Autumn		Spring		Summer	
	Where do I live? Houses and Homes	Arctic Adventures	Travel and Transport	Superheroes	Our Amazing World	Castles
	Technology in our homes	Staying safe online	Counting and Sorting	Staying Safe online / Programming robots	Sound and Music	Photographs and Art
Key Learning	Pupils will have access to a range of technology. Pupils will learn to identify devices. Pupils will learn about a variety of devices at home.	Pupils will access digital content online. Pupils will be encouraged to seek permission from an adult	Pupils will access content in different formats, e.g. image, video, audio. Pupils will choose between media in different formats.	Pupils will learn about how to stay safe online and know to ask a trusted adult. Pupils will be able to experience using robots with support.	Pupils will access a range of multimedia content. Pupils will demonstrate a preference for digital content from a selection, e.g.	Pupils will access a range of multimedia content. Pupils will use technology to explore and access digital content.

	<p>Pupils will learn to identify technology in the community.</p> <p>Pupils will learn how to use some of these devices safely.</p>	<p>before accessing the internet.</p> <p>Pupils will choose content to watch or listen to on a familiar web page.</p> <p>Pupils will learn that for most people the internet is an integral part of life and has many benefits.</p>	<p>Pupils will identify objects of a single category.</p> <p>Pupils will count 1 or more in a digital resource.</p> <p>Pupils will sort familiar objects into 2 given categories with support.</p>	<p>Pupils will input a short sequence of instructions to control a device.</p> <p>Pupils will order two or three steps of a known task.</p>	<p>choose a video to watch.</p> <p>Pupils will use technology to explore and access digital content.</p>	<p>Pupils will operate a digital device with support to fulfil a task, e.g. take a photograph.</p> <p>Pupils will create simple digital content, e.g. mark making in a paint program.</p>	
Key Vocabulary	IPad, Computer, device.	IPad, Yes, No, Computer, 'iPad please', internet.	Count, Sort, objects, 1, 2, picture, video.		'iPad please', robot, go, stop.	Sound, Music, Video, listen, choose.	IPad, computer, picture, photo, paint, draw.
Trips and Visits	Bramall Hall, Stockport Pets at home	Martinie museum	Northwest Museum of Road Transport, St Helens		Parks, play centres, bowling	Spaceport Wirral	Ruthin castle Conwy castle

Bluebell	Autumn		Spring		Summer	
	Me and My Family	Chocolate	What can I build?	The Wild West	The Rainforest	Incredible India
	Asking and answering questions	Keeping safe online	Instructions	Taking Pictures using Technology	Using the internet	Creating Information

			Multimedia			
Key Learning		<p>Pupils will access digital content online.</p> <p>Pupils will choose content to watch or listen to on a familiar web page</p> <p>Pupils will understand that for most people the internet is an integral part of life and has many benefits</p> <p>Pupils will be aware of the benefits of rationing time spent online, the risks of excessive time spent on electronic devices and the impact of positive and negative content online on their own and others' mental and physical wellbeing.</p>	<p>Pupils will learn to listen to and follow instructions.</p> <p>Pupils will learn to create instructions with 2 or more steps.</p> <p>Pupils will access a range of multimedia content.</p> <p>Pupils will demonstrate a preference for digital content from a selection, e.g. choose a video to watch,</p> <p>Pupils will understand you can control multimedia content, e.g. play and stop video and audio.</p> <p>Pupils will operate a digital device independently to fulfil a task.</p>	<p>Pupils will access a range of multimedia content.</p> <p>Pupils will use technology to explore and access digital content.</p> <p>Pupils will operate a digital device with support to fulfil a task, e.g. take a photograph.</p> <p>Pupils will learn to launch applications which allow for pictures to be taken.</p> <p>Pupils will learn how to use applications to alter pictures taken with technology e.g. filters.</p>	<p>Pupils will have access to digital online content.</p> <p>Pupils will learn how to launch applications to access the internet.</p> <p>Pupils will learn to ask trusted adults' permission to use the internet.</p> <p>Pupils will learn to control options given online by clicking buttons/pressing keys.</p>	<p>Pupils will have access to digital devices.</p> <p>Pupils will learn how to use the devices respectfully.</p> <p>Pupils will learn to launch applications used to create information.</p>

Key Vocabulary		Internet, Safe, Computer, iPad, online, time.	Instructions, play, stop, video, music.	IPad, picture, app.	IPad, computer, internet, online, press, button, key.	
Trips and Visits	Eureka! Liverpool and Halifax	Shopping for chocolate Trip linked to healthy and unhealthy eating?	Museum of Liverpool The Lowry	Maritime museum Cotebrook shire horse sanctuary Horse sanctuary?	Chester Zoo Knowsley Safari Park Blue Planet Aquarium	Indian restaurant

Poppy	Autumn		Spring		Summer	
	Looking After Myself	Squash, Bend, Twist, Stretch	Achievers and Inventors	The Tudors	Habitats	Olympics
	What is a computer?	Staying Safe Online	Programming and Algorithms	Data	Ebooks	Multimedia: Art
Key Learning	Pupils will learn to add text to a document using the keyboard or appropriate access device. Pupils will understand that information and media can be stored on a digital device, e.g. they ask to view a photo that has been taken on a tablet.	Pupils will recognise inappropriate content and know to tell an appropriate adult. Pupils will understand that you can share digital content online. Pupils will learn what personal information is and the need to keep it private.	Pupils will learn to input a short sequence of instructions to control a device. Pupils will learn to order two or three steps of a known task. Pupils will recognise patterns in groups of objects. Pupils will identify and list the steps of a known task in order. Pupils will understand that we control	Pupils will learn to recognise content in a range of formats, e.g. text, image, video, audio Pupils will sort familiar objects into 1 or more categories. Pupils will answer basic questions about information displayed in images, e.g. more or less.	Pupils will learn to operate a digital device to fulfil a task, mostly independently. Pupils will select basic options in a familiar application, e.g. colour of pen. Pupils will choose a digital device from a selection to complete a specific task.	Pupils will operate a digital device mostly independently to fulfil a task. Pupils will select basic options in a familiar application. Pupils will choose a digital device from a selection to

	<p>Pupils will identify and name a range of digital devices and technologies. Pupils will explain what the basic parts of a computer are used for, e.g. mouse, screen, keyboard. Pupils will understand that you can find information from a website. Pupils will use a simple password when logging on, where relevant. Pupils will understand that you can share digital content.</p> <p>Vocab: Mouse, touchscreen, keyboard, monitor/screen, printer, tablet, devices, application, software, images, video, sound, edit, tools, digital content.</p>	<p>Pupils will learn about the benefits of rationing time spent online, the risks of excessive time spent on electronic devices and the impact of positive and negative content online on their own and others' mental and physical wellbeing. Pupils will learn that the internet can be a negative place e.g. cyber bullying and will learn to tell a trusted adult.</p> <p>Vocab: Digital content, personal/private information, electronic device, social media, age restriction, online abuse, trolling, search engine, cyber bullying.</p>	<p>computers by giving them instructions. Pupils will create a simple program e.g. to control a floor robot.</p>	<p>Pupils will learn to distinguish between text, image, video and audio content. Pupils will collect simple data (e.g. likes/dislikes) on a topic.</p>	<p>Pupils will present information using appropriate software with support. Pupils will select media (e.g. images, video, sound) to present information on a topic.</p> <p>Vocab: Multimedia, Media, images, eBooks, sound, edit, tools, digital content.</p>	<p>complete a specific task. Pupils will present information using appropriate software with support. Pupils will learn to select tools or options to change the appearance of digital content.</p> <p>Vocab: Multimedia, digital content, art, paint, edit, tools.</p>
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Key Vocabulary			Programming, algorithms, sequence, device, debug, error	Data, Text, video, audio, device.		
Trips and Visits	Eureka!	Sporting Events	Spaceport, Wirral	Museums	Parks Sankey valley canal trust Martin Mere WWT	LFC football museum
	Autumn		Spring		Summer	
Otter	Out of this world	Wars and battles	Awe and wonder	Out of this world	Wars and battles	Awe and wonder
	Exploring apps	Code Breaking Internet Safety	Light and Sound	Programmable Toys	Technology in the house and community	Using the internet
Key Learning						
Key Vocabulary						
Trips and Visits	Jodrell bank		Burtonwood Imperial war museum		Outdoor trips- weather studies	
Deer	Autumn		Spring		Summer	
	Out of this world	Wars and battles	Awe and wonder	Explorers	Where I live	Medieval life
	Exploring apps	Code Breaking Internet Safety	Light and Sound	Programmable Toys	Technology in the house and community	Using the internet
Key Learning						
Key Vocabulary						

Trips and Visits	Jodrell bank		Burtonwood Imperial war museum		Outdoor trips- weather studies	
Hedgehog	Autumn		Spring		Summer	
	Out of this world	Wars and battles	Awe and wonder	Out of this world	Wars and battles	Awe and wonder
	Exploring apps	Code Breaking Internet Safety	Light and Sound	Programmable Toys	Technology in the house and community	Using the internet
Key Learning						
Key Vocabulary						
Trips and Visits	Jodrell bank	Burtonwood Imperial war museum	Outdoor trips- weather studies	Manchester airport Speke Hall- Liverpool airport	Daresbury- Lewis Carroll museum Warrington town- Alice in Wonderland statue	A local castle- Beeston Castle walls- Chester

Robin and Owl

Developing IT Skills

Within Key Stage 4 Robin and Owl classes complete ASDAN Personal Progress. Learners are accredited through ASDAN Personal Progress and this is differentiated through the Achievement Continuum. Throughout the unit, learners will demonstrate increased independence through the 10 developmental stages. These are: encounter, early awareness, interest, supported participation, active involvement, development, exploration, initiation, consolidation and application - <https://asset.asdan.org.uk/56d57c99a2ade>

Within Personal Progress pupils will develop their IT skills through a cross-curricular approach. This is incorporated into the following units:

English
Maths

Enterprise - Participating in a Mini Enterprise Project

Science - Developing community participating skills: caring for the environment

Wider World and Community - Developing Community Participation Skills: getting out and about

Life and Living Skills - Developing skills for the workplace: following instructions

Wellbeing - Art, Social, Assembly

PE - Developing Community Participation Skills: Participating in Sporting Activities

**Trips and
Visits**

Network Rail, Bents Garden Centre, Bruche Café, range of colleges, ASDA, Tesco