Computing Curriculum

Preparing for the Future; Living Life in all its Fullness

EYFS and KS1

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic	**I am Special**	**Cold Places**	**China**	**Traditional Tales & Castles**	**Marvellous Minibeasts**	**Food Glorious Food**
EYFS skills and progression within Computing across the 3 year rolling programme	EYFS - To show an interest in technological toys such as IWB, iPads, toys with knobs, pulleys and buttons, telephones, keyboards, camera's etc..	EYFS - To know how to operate simple equipment To draw pictures on IWB and begin to change colours To use the iPad to take pictures	EYFS - To access, understand and interact with a range of technology within the EYFS environment To draw pictures on IWB, changing colour and pen size Media Literacy and Digital Resilience – How can I stay safe online? To learn about e-safety	EYFS - To use the IWB, changing games and programmes Media Literacy and Digital Resilience – How can I stay safe online? To learn about e-safety	EYFS - To use Tapestry to add their own observations to their learning journey – taking pictures, adding text and saving To explore how a Bee-Bot works To use the internet with adult supervision to find and retrieve information	EYFS - To begin to give reasons why we need to stay safe online To use the Bee-Bots and program them to go forwards and backwards To type their name using a laptop
Year A	**Internet Safety.** *Use technology safely and respectfully. *Identify where to go for help and support when they have concerns about content or contact on the internet or other	**Recognise common uses of information technology beyond school** *How explorers use technology to navigate around polar regions and look at the tracking of animals.	**Use technology purposefully to create, organise, store, manipulate and retrieve digital content** *Research and then produce an information page about China.	**Use technology purposefully to create, organise, store, manipulate and retrieve digital content** *Research and then produce an information page about a castle of your choice. Opportunity for		

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	online technologies.			Virtual Reality Headset experience (Ark ICT Solutions) - castle tour		
Year B	**Nuts about Nature**	**The Great Fire of London (KS1) / People who help us (EYFS)**	**Dinosaurs**	**3, 2, 1, Blast off!**	**Pirates**	**Africa**
	Internet Safety. *Use technology safely and respectfully. *Identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.	**Use technology purposefully to create, organise, store, manipulate and retrieve digital content** *Research and then produce a Fire Safety poster.	**Use technology purposefully to create, organise, store, manipulate and retrieve digital content** *Research and then produce an information page about your chosen dinosaur. **Create and debug simple programmes** - Daisy Dinosaur	**Create and debug simple programmes** - robots. **Recognise common uses of information technology beyond school** - how Scientists use it to plan and manage their missions	**Create and debug simple programmes** - treasure maps.	**Use technology purposefully to create, organise, store, manipulate and retrieve digital content** *Research and then produce an information page about an African animal.
Year C	**Toys and Teddies**	**India**	**Journeys and Transport**	**How does your garden grow?**	**Seaside**	
	*Programming Understand that digital devices follow precise and unambiguous instructions. *Digital Literacy Access and retrieve online content, present and communicate learning in a variety of ways.	*Digital Literacy Present and communicate research on India in a variety of ways.	*Programming/Digital literacy Programming a bee bot, creating own programmes for a beebot to follow. Present and communicate learning through a variety of ways.	*Digital Literacy Access and retrieve online content, collect data, present and communicate learning.	*Digital Literacy Use digital content to create moving images and videos. *E safety Understand that information about themselves may be personal and they can choose who to share it with.	

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Lower KS2

	Autumn	Spring	Summer
Year A	We are Programmers	We are Presenters	We are Software Developers (Scratch)
Year B	We are Musicians	We are Bloggers	We are Artists

Upper KS2

	Autumn	Spring	Summer
Year A	Coding with LOGO *(Maths)*	Coding with LOGO *(Creative)* / VR Experience	Animation and video editing Computing Systems and Networks – Sharing Information *eSafety Workshop*
Year B	Coding with LOGO	Desktop publishing – publish a newspaper report	Video editing Investigating spreadsheets

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| | | | Computing Systems and Networks - communication

eSafety Workshop |
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