

Computing Curriculum Overview 2019/20

3 strands

1. Computational thinking (CT)
2. Digital Literacy (DL)
3. Information technology (IT)

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS						
YEAR 1	<p>IT</p> <p>Uses technology purposefully to create digital content</p> <p>BLACK HISTORY MONTH Children will make short videos about what black history month is about, using cameras on ipads and</p> <p>SeeSaw -</p>	<p>IT - Use apps for purpose</p> <p>French project I can animate software - Creating a scene with characters speaking in french</p> <p>DL Use SeeSaw to write reflections on learning</p>	<p>DL</p> <p>1. To use technology safely and respectfully, keeping personal information private</p> <p>2. Identify where to go for help and support when they have concerns about content or contact on the internet or other online</p> <p>3. Recognises common uses of information technology beyond school</p>	<p>CT</p> <p>1. Create simple programs.</p> <p>2. Understand what algorithms are.</p> <p>Mapping the world</p> <p>To use Beebots to create and debug simple programs</p> <p>IT - "Litfest" Mindfulness Project</p>	<p>DL and IT - Use typing apps on ipads. "Bee Typing" as well as 2Type on Purple Mash</p> <p>IT - Handwriting on Iqfl busy things</p> <p>IT - "Litfest" Mindfulness Project</p>	<p>DL Searching for images</p> <p>IT To use drawing software to create digital designs or images.</p> <p>To use technology purposefully to create digital content</p> <p>To make a short, animated sequence using the Gruffalo book</p>

			Internet safety week			
YEAR 2	<p>DL Use SeeSaw to write reflections on learning and to evidence key milestones in the curriculum</p>	<p>DL Use SeeSaw to write reflections on learning and to evidence key milestones in the curriculum</p> <p>CT To use Scratch Jr to create and debug simple programs</p>	<p>DL</p> <ol style="list-style-type: none"> 1. To use technology safely and respectfully, keeping personal information private 2. Identify where to go for help and support when they have concerns about content or contact on the internet or other online 3. Recognises common uses of information 	<p>CT</p> <p>To use Scratch Jr to create and debug simple programs</p> <p>DL</p> <p>How to use a computer How can computers help you learn? Describing how the internet works</p> <p>IT - "Litfest" Mindfulness Project</p>	<p>IT - "Litfest" Mindfulness Project</p> <p>DL</p> <p>Use SeeSaw to write reflections on learning and to evidence key milestones in the curriculum</p>	<p>IT Project</p> <p>Use technology purposefully to create, organise, store, manipulate and retrieve digital content</p>
YEAR 3	<p>DL Using technology safely, E-safety</p> <p>Introduction to See Saw and blogging</p>	<p>CT</p> <p>Stone Age Scratch Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts</p>	<p>DL</p> <ol style="list-style-type: none"> 1. To use technology safely and respectfully, keeping personal information private 2. Identify a range of ways to report concerns 3. Recognises common uses of information technology beyond school 	<p>DL</p> <p>Computing and music Children will go on a course to learn how to use garage band to create their own musical content</p> <p>IT - Use of technology to enhance learning on rocks.</p>	<p>IT</p> <p>Minpins project</p> <p>Children to create a picture of the monster that exists under all the smoke.</p> <p>IT - "Litfest" Mindfulness Project</p>	

			Internet safety week CT - Scratch coding			
YEAR 4	<p>IT - Use Adobe Spark apps to present information about Brazil</p> <p>To use the internet purposefully to present information To collect and present data</p>	<p>DL Focus - Use SeeSaw to write reflections on learning.</p>	<p>DL 1. To use technology safely and respectfully, keeping personal information private</p> <p>2. Identify a range of ways to report concerns</p> <p>3. Recognises common uses of information technology beyond school</p>	<p>CT Vikings Scratch programming</p> <p>Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts</p>	<p>IT Ipad Art - Using Brushes app to draw/paint</p>	
YEAR 5	<p>IT - BLACK HISTORY MONTH - Use of Adobe spark apps to create content about Black History Month</p>	<p>DL Use SeeSaw to write reflections on learning</p> <p>IT - Use Spark video to make short films for Literacy</p>	<p>DL 1. To use technology safely and respectfully, keeping personal information private</p> <p>2. Identify a range of ways to report concerns</p> <p>3. Recognises common uses of information technology beyond school</p> <p>Internet safety week</p>	<p>IT - "Litfest" Mindfulness Project</p>	<p>CT Scratch Maths Modules 1-3 Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts</p> <p>IT - "Litfest" Mindfulness Project</p>	

<p>YEAR 6</p>		<p>DL Use SeeSaw to write reflections on learning and to evidence learning</p>	<p>IT - Use Adobe Spark apps to present information</p> <p>Internet safety week</p>	<p>IT - "Litfest" Mindfulness Project</p>	<p>CT Scratch Maths Modules 4-6 Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts</p>	<p>DL and IT Childnet video competition. Children to make their own e-safety/internet safety video for a competition.</p> <p>IT - "Litfest" Mindfulness Project</p>
----------------------	--	-------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------	--------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------