

Computing Curriculum 2022 – 2023

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Focus	Computer Science	Digital Literacy	Digital Citizenship	Computer Science	Digital Literacy	Digital Citizenship
1	<p><b>Barefoot Computing Unplugged</b> Crazy Character Algorithms.  Unplugged algorithms. Moving around the classroom. (Use Bee Bot mats unplugged with other objects)</p>	<p><b>Puppet Pals</b> Animation to Retell a Story</p> <p><b>Book Creator</b> Create a Book with Images, photos and narration tools.</p>	<p><b>Online Safety Based on Project Evolve</b></p> <p>Going places safely Searching Keep it Private</p>	<p><b>Barefoot Computing Bee Bots</b> Bee Bots Tinkering Activity. Bee Bots basic activities</p> <p><b>GEM Education</b> Robo:Mice</p>	<p><b>Microsoft Word</b> Add text, change the size and colour and add images.</p>	<p><b>Online Safety Barefoot Computing</b> Behaving Online Let's Chatterbox</p> <p><b>Project Evolve</b> Cyber Bullying</p>
2	<p><b>Barefoot Computing Unplugged</b> Dance Move Algorithms. River Crossing Activity.</p> <p><b>Bee Bots</b> Bee Bots 1,2,3 Algorithm. Bee Bot Decomposition.</p>	<p><b>Book Creator</b> Add text, narration, images and photos.</p> <p><b>Green Screen</b> Learn how to superimpose onto a background and how to edit an image to turn it to black and white.</p>	<p><b>Online Safety Based on Project Evolve</b></p> <p>Digital Footprint Screen out the mean Using Keywords</p>	<p><b>Barefoot</b> Scratch Jr Tinkering</p> <p><b>Scratch Jr</b> Drive across the city. Run a race.</p> <p><b>GEM Education</b> Micro: Bit <i>Programming patterns for LED Screen using buttons A and B.</i></p>	<p><b>Microsoft Word</b> Add text-resize, colour and change font. Add Images and symbols.</p>	<p><b>Online Safety Barefoot Computing</b> Who Does this belong to? Do the right thing!</p> <p><b>Project Evolve</b> Cyber Bullying</p>

<b>3</b>	<p><b>Barefoot Computing Unplugged</b> 2D shape drawing debugging. Decomposition Unplugged KS1. Patterns unplugged: Elephants, Cats and Cars.</p>	<p><b>Book Creator</b> Create an Information Text with contents, glossary etc.</p> <p><b>I can Animate</b> Use Play Doh characters to create a stop frame animation.</p>	<p><b>Online Safety Based on Project Evolve</b></p> <p>Privacy Settings Online communication What is Cyberbullying?</p>	<p><b>Scratch Jr</b> Spooky Forest Dance Party Meet and Greet</p> <p><b>GEM Education</b> Micro: Bit</p>	<p><b>Microsoft Word</b> Page orientation, alignment, page borders and designs.</p> <p><b>PowerPoint</b> Add text, images and transitions.</p>	<p><b>Online Safety Barefoot Computing</b> Know or know of? Do the right thing!</p> <p><b>Project Evolve</b> Cyber Bullying</p>
<b>4</b>	<p><b>Barefoot Computing Unplugged</b> Decomposition Unplugged KS2 Patterns unplugged: Reusing Recipes Variables Unplugged.</p>	<p><b>Key Note</b> Create a presentation with transitions and animated text.</p> <p><b>Toontastic/Clips</b> Create an animation/video.</p>	<p><b>Online Safety Based on Project Evolve</b></p> <p>Personal Information Online Community Ring of Responsibility</p>	<p><b>Scratch</b> Animate a name. Create a Story.</p> <p><b>GEM Education</b> Micro: Bit <i>Making patterns using a loop, using LED lights.</i></p>	<p><b>Microsoft Word</b> Create a Document with hyperlinks</p> <p><b>PowerPoint</b> To create an informational PowerPoint with hyperlinks (internal and external)</p>	<p><b>Online Safety Barefoot Computing</b> Know or know of? You're the Jury.</p> <p><b>Project Evolve</b> Cyber Bullying</p>
<b>5</b>	<p><b>Barefoot Computing Unplugged</b></p>	<p><b>Keynote</b> Create a presentation with transitions,</p>	<p><b>Online Safety Based on Project Evolve</b></p>	<p><b>Scratch</b> Solar System Stimulation Pong Game</p>	<p><b>Microsoft Word</b> Create a Word Document with Text Wrapping and</p>	<p><b>Online Safety Barefoot Computing</b> Know or know of?</p>

	<p>Abstraction Unplugged.</p> <p><b>Plugged</b> Logical number sequences.</p>	<p>animated text, insert video and audio.</p> <p><b>iMovie</b> Create film with title slides, narration and interactive images.</p>	<p>Strong Passwords Spam Emails Picture Perfect</p>	<p><b>GEM Education Micro: Bit</b> <i>Making a game using A and B button functions.</i></p>	<p>explore the layout functions.</p> <p><b>Excel</b> Input Values and use the SUM and AVERAGE Function</p>	<p>The fisherman game</p> <p><b>Project Evolve</b> Cyber Bullying</p>
6	<p><b>Barefoot Computing Unplugged</b> Logical reasoning unplugged.</p> <p><b>Plugged</b> Selecting Search Activity. Ranking Search Activity.</p>	<p><b>Adobe Express</b> Create a Webpage</p> <p><b>iMovie</b> Create a narrated and filtered video.</p>	<p><b>Online Safety Based on Project Evolve</b></p> <p>Talking Safely Online Using secure websites. What is Cyberbullying? Selling Stereotypes</p>	<p><b>Trinket</b> A Visual introduction to python. <a href="https://hourofpython.trinket.io/a-visual-introduction-to-python#/welcome/an-hour-of-code">https://hourofpython.trinket.io/a-visual-introduction-to-python#/welcome/an-hour-of-code</a></p> <p><b>GEM Education Crumble</b> <i>Created a crumble bot with Julian and working with LED lights.</i></p>	<p><b>Microsoft Word</b> Hyperlinks through images (internal and external).</p> <p><b>Excel</b> 3D Elements and charts.</p>	<p><b>Online Safety Barefoot Computing</b> Know or know of? You're the cyber expert</p> <p><b>Project Evolve</b> Cyber Bullying</p>