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<p><b>Computer Science</b></p>	<p><b>Programming</b></p> <p>(Algorithms, Sequencing and testing code)</p> <p><b>Resources:</b></p> <p>Beebot / Indi / Bolt/ Dash/ Code-a-pillar/ Programming apps</p>	<p><b>Rapid Router</b></p> <p>(Levels 1-32)</p>  <p><b>Hour of Code</b></p>  <p>Use of apps to support programming: ALEX/ Light bot</p>	<p><b>Scratch</b></p> <p>(Introducing Howler)</p>  <p><b>How are computer programs constructed?</b></p> 	<p><b>Sphero Indi</b></p> <p>Challenge Cards (5+)</p> <p>Create a sequence/ course.</p> <p><b>What are inputs and outputs?</b></p> 	<p><b>Sphero Bolt</b></p> <p>(Getting started: Draw Lessons 1 and 2)</p>  <p><b>What is a variable and how to computers use them?</b></p> 	<p><b>Logo</b></p> <p>(Getting Started) Link to shape and repeated patterns.</p>  <p><b>How does the internet work?</b></p> 	<p><b>Scratch</b></p> <p>(Greeting Card)</p>  <p><b>How do search engines work?</b></p> 



Year	Overview	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<p><b>Digital Literacy</b></p>	<p><b>Digital Literacy &amp; Citizenship</b></p> <p>(Research) SWGFL scheme of work (Online Communication and E-Safety, DLG, Blogging, Email)</p>	<p>PROJECT EVOLVE</p> <p><b>Your rings of responsibility</b></p> <p> common sense media</p> <p><b>Keeping digital devices safe from malware?</b></p> <p> BBC Bitesize</p>	<p>PROJECT EVOLVE</p> <p><b>Password Power-Up</b></p> <p> common sense media</p> <p><b>Password Checker</b></p> <p> security.org</p>	<p>PROJECT EVOLVE</p> <p><b>This Is Me</b></p> <p> common sense media</p> <p><b>What are digital footprints?</b></p> <p> BBC Bitesize</p>	<p>PROJECT EVOLVE</p> <p><b>Our Digital Citizenship Pledge</b></p> <p> common sense media</p>	<p>PROJECT EVOLVE</p> <p><b>The Power of Words</b></p> <p> common sense media</p> <p><b>How can we be respectful and responsible online?</b></p> <p> BBC Bitesize</p>	<p>PROJECT EVOLVE</p> <p><b>Is Seeing Believing?</b></p> <p> common sense media</p>



Year	Overview		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Information Technology</b>	<b>Communication Publishing and collaborating</b> ( <b>Multimedia Word Processing</b> ) <b>Digital video</b> ( <b>Video &amp; Animation</b> ) <b>Music / Sound</b> <b>Digital Imagery</b> ( <b>Graphics &amp; digital cameras</b> ) <b>Handling Information</b> ( <b>Database</b> )		<b>Word Processing</b>  Stone Age man description/ Stone Age Boy story	<b>Data Handling</b>  To record data and create line graph showing results from science investigation into sound.	<b>Sound</b>  Interview with Emperor Claudius/ podcast about the Celt rebellion.	<b>Digital Video</b>  Record a news report for the Viking Invasion.	<b>Augmented Reality</b>  Create a Victorian crown/ Victorian scene.	<b>Presentation</b>  Create a presentation about India.
								
		Word Processing (Page/Word)	Data Handling (Numbers/ Excel)	Presentations (Keynote, PowerPoint, Pic Collage)	Digital Video (iMovie)	Sound (GarageBand)	Augmented Reality (Clips, Reality Composer)	
Add notes to texts in iBooks. Use screen record to demonstrate an idea as a move. Use Stop Motion for simple 2D animation. Can use 'Green Screen'/ Can retrieve information effectively in Safari. Can identify images and text online that they can use in their own work (copyright).	Can use instant alpha. Can layer objects. Can use assets from other apps within a document.	Use basic formatting tools for objects and text. Use multiple ways of presenting information on the same sheet. Export 'assets' to be used in other apps- such as tablets.	Can use instant alpha effectively on a page layout. Can layer objects. Can animate objects using clicks and timings. Can create transitions using clicks and timings.	Can add titles to a movie. Can alter transitions. Can alter speed of clips for specific audience effect. Can use green screen function for effect.	Create a voice recording with layered underscore.	Use soundtracks/ music to improve a presentation. Use live titles for effect. Use scenes to create a narrative effect.		

