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<p>Computer Science</p>	<p>Programming</p> <p>(Algorithms, Sequencing and testing code)</p> <p>Resources:</p> <p>Beebot / Indi / Bolt/ Dash/ Code-a-pillar/ Programming apps</p>	<p>Rapid Router</p> <p>(Levels 1-18)</p>  <p>All about algorithms</p>  <p>Use of apps to support programming: ALEX/ Light bot</p>	<p>Sphero Indi</p> <p>Challenge Cards (1-5) Create a simple sequence.</p> <p>Unplugged (Algorithm)</p> <p>Jam Sandwich Challenge</p> 	<p>Scratch</p> <p>(Animate the crab)</p>  <p>What is decomposition?</p> 	<p>Scratch</p> <p>(The Picco Show: intro)</p>  <p>What is logical reasoning?</p> 	<p>Robots/Beebots</p> <p>Draw simple 2D shapes. Making instructions to navigate a course- using prediction and debugging skills.</p> <p>Animation (Lesson 1 and 2)</p> 	<p>Scratch</p> <p>(DJ Scratch Cat)</p>  <p>Hour of Code</p>  <p>Real life robots</p> 



Year	Overview	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<p>Digital Literacy</p>	<p>Digital Literacy & Citizenship</p> <p>(Research) SWGFL scheme of work (Online Communication and E-Safety, DLG, Blogging, Email)</p>	<p>PROJECT EVOLVE</p> <p>We, the Digital Citizen</p> <p> common sense media</p> <p>How do we use digital technology?</p> <p> BBC Bitesize</p>	<p>PROJECT EVOLVE</p> <p>That's Private</p> <p> common sense media</p> <p>Password Checker</p> <p> security.org</p>	<p>PROJECT EVOLVE</p> <p>Media Balance and Wellbeing</p> <p> common sense media</p>	<p>PROJECT EVOLVE</p> <p>Digital Trails</p> <p> common sense media</p> <p>What are digital communication systems?</p> <p> BBC Bitesize</p>	<p>PROJECT EVOLVE</p> <p>Putting a STOP to Online Meanness</p> <p> common sense media</p>	<p>PROJECT EVOLVE</p> <p>Let's Give Credit</p> <p> common sense media</p> <p>Is information on the web always reliable?</p> <p> BBC Bitesize</p>



Year	Overview		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Information Technology	Communication Publishing and collaborating (Multimedia Word Processing) Digital video (Video & Animation Music / Sound) Digital Imagery (Graphics & digital cameras) Handling Information (Database)		Presentations To create a dinosaur fact-file.	Word Processor Write a description/report about an Egyptian God.	Sound Create a soundtrack for the Roman Invasion.	Digital Video Create a trailer for the Viking Invasion.	Digital Video Record a scene from The Lion, The Witch and The Wardrobe/ Interview Lucy.	Data Handling Collect data regarding hobbies/ favourite colour. Create a chart to show findings.
								
		Word Processing (Page/Word)	Data Handling (Numbers/ Excel)	Presentations (Keynote, PowerPoint, Pic Collage)	Digital Video (iMovie)	Sound (GarageBand)	Augmented Reality (Clips, Reality Composer)	
	<ul style="list-style-type: none"> -Review photos in Photos/change filters and add markup. -Can use screen shot for purpose- such as evidence of work. -Can use accessibility tools to personalise for needs or support for others. -Can use iBooks to organise reading. 	Can add an image from photos. Can add a shape/icon. Can format a shape/icon. Can crop an image appropriately.	Collect data in Numbers document and display as a chart. Use a range of collection data techniques (numerical, rating, checklist).	Can add an image from Photos. Can add additional slides. Can add a shape/icon. Can crop an image appropriately. Can format shape/icon.	Can format images and sounds in the timeline. Can edit objects in the timeline using cuts, stretching and repositioning. Can add soundtracks/sounds/music/voiceover.	Can create a new project and name it. Can alter timing of piece. Can create a simple tune using smart instruments. Create a multitrack tune using instruments or loops.		