

Yr 3	Autumn 1	Autumn 2	Spring	Summer 1	Summer 2
	<b>Theme</b> Science – rocks & soils Geography – Earth – earthquakes, Tsunami etc	<b>Theme</b> Science – animals / Human body muscles, skeleton History - Stone Age	<b>Theme</b> Science – plants – seed dispersion History – William Houldsworth	<b>Theme</b> Science – forces & magnets Geography – Greek culture, Greek myths & legends	<b>Theme</b> Science – light Geography – Greece
	<b>Computer science</b> <b>Understanding computer networks including the internet.</b> How is data transported between computers? (Web pages, email, files, video calls) Identify features of a web URL e.g. www. .co .com .uk What is the World Wide Web? How does a search engine work? BBC schools resource <a href="http://www.bbc.co.uk/education/topics/zs7s4wx">http://www.bbc.co.uk/education/topics/zs7s4wx</a>	<b>Computer science</b> <b>Programming using selection, repetition and variables</b>  <b>Algorithms</b> – introduce flow charts for creating choices within a program.  <b>Programming using sequence and repetition</b> J2e 'turtle' and Logo. Write a simple program in Logo to produce a line drawing or selection of geometric shapes. Use the repeat function to create an efficient block of code.  Use logical reasoning to explain how an algorithm works and to detect and correct errors. (debug) LightBot app A.L.E.X. app Code Kingdoms app	<b>Digital Literacy - E-safety</b> Link to e-safety week activities. What is a digital footprint? What is a secure password? Personal information and what is acceptable to share with others online Keeping safe online and how to report concerns. Consider reliability of online information by checking the source. Communicating safely online – email, messaging, text	<b>Computer science</b> <b>Programming using selection, repetition and variables</b> <b>Programming using block coding</b> Use Scratch to create an animation of a joke or a simple story Introduce the basic features of motion (blue), looks (purple) and events (brown).  Extend this activity – children to create a simple game with a score using the data button (orange) and sensing buttons (turquoise).  Children to share and evaluate their games.	<b>Computer science</b> Computational thinking – revisit the skills that can be applied to all aspects of problem solving activities.  <b>Search engines</b> Understand how search engine results are selected and ranked.

		<p>Hopscotch app                  Online resource - Hour of code  <a href="http://studio.code.org/hoc/1">http://studio.code.org/hoc/1</a></p>			
	<p><b>Information Technology Databases</b>                  Introduction to databases. Search and sort a prepared database to obtain answers for specific questions.                  Create a simple database – link to Rocks theme                  Resource BBC schools  <a href="http://www.bbc.co.uk/guides/z8yk87h">http://www.bbc.co.uk/guides/z8yk87h</a></p> <p><b>Using the internet for research</b>                  Navigating a web page                  Searching for information                  Start to understand how search engine results are selected and ranked.</p> <p>Web research – link to rock types and fossils or to extreme forms of weather</p>	<p><b>Information Technology Digital images - photography</b>                  Take digital photographs of the human body participating in various activities for example balancing, running, jumping.</p> <p><b>Creating e-books</b>                  Use these images to create non-fiction e-books explaining key features of the body using software or apps                  PowerPoint                  2create a story                  My story app                  Book creator app                  Shadow puppet edu app</p>	<p><b>Information Technology Keyboard skills</b>                  Editing skills to include the use of bold and italics                  And the use of select, copy and paste.</p> <p><b>Information leaflets</b>                  Text activity – create information leaflets / non-fiction books / posters                  Use template files created in Word and publisher or book making, poster apps – link to William Houldsworth theme</p> <p><b>Animation</b>                  Create a simple animation to demonstrate pollination                  Use online animation site  <a href="http://www.abcya.com/animate.htm">http://www.abcya.com/animate.htm</a></p>	<p><b>Information Technology Audio</b>                  Audio instruction / sound recording using easi speak microphone                  Create a podcast using easi speak microphone or iPad and Voice Record pro app</p> <p><b>Multimedia</b> – create a digital presentation using photographs, video or screen casting app                  Link to Greece theme                  Photo story                  iMovie app                  Shadow puppet edu app                  Book creator app</p>	<p><b>Information Technology Digital images - Image manipulation</b>                  Take digital photographs of appropriate objects, scenes. Edit pictures using various effects tools in <b>Dazzle</b> or photo-manipulation software such as <b>IrFanview</b> or online resource such as <b>ipiccy</b> <a href="http://ipiccy.com/">http://ipiccy.com/</a></p> <p><b>Copyright</b>                  Understand the meaning of image copyright when searching for images online.</p> <p><b>Internet research</b>                  Internet research                  Using online maps (google maps) to study the Mediterranean.                  Create a poster or collage about Greece using Dazzle, AutoCollage, Poster Forge or PicCollage</p>

