

Yr 4	Autumn 1	Autumn 2	Spring	Summer 1	Summer 2
	<p>Theme Science – sound – what makes music enjoyable? History – Roman Empire</p>	<p>Theme Science – animals including Humans - digestion History – Crime and punishment</p>	<p>Theme Science – electricity History – Ancient Civilisations – Greece, Greek warriors, Museum</p>	<p>Theme Science – All living things Local species plants and animals Geography – local study - Manchester</p>	<p>Theme Science – states of matter - water Geography – River Study</p>
	<p>Computer science Programming using sequence and repetition with Logo – defining a procedure using the ‘To’ command.</p> <p>Block coding – Hour of Code advanced skills http://studio.code.org/s/rozen/stage/1/puzzle/1</p> <p>Block coding using Scratch Design and create a game containing several characters and a scoring system.</p>	<p>Computer science Programming using selection, repetition and variables Creating games using Hopscotch app and Scratch.</p> <p>Hopscotch app - this app is used to develop repeat, wait and use of conditional statements (when, if, else)</p> <p>Hopscotch – learn how to add rules for each character. Create a simple game.</p>	<p>Digital Literacy - E-safety Link to e-safety week Keeping safe online and how to protect personal information. The importance of creating secure passwords and not revealing personal information. Consider the reliability of information on the internet e.g. the difference between fact and opinion Communicating safely online – email, blogging, messaging, text</p>	<p>Computer science Programming using selection, repetition and variables Algorithms – use flow charts for creating choices within a program.</p> <p>Input and output devices Use of sound Useful resource BBC schools http://www.bbc.co.uk/guides/zx8hvp4</p> <p>Controlling physical systems Use of sensors – Datalogging Useful resource BBC schools http://www.bbc.co.uk/guides/zxjsfg8</p>	<p>Computer science Computer networks and the internet Common use of technology in our lives Can explain how data is transported between computers? (Web pages, email, files, video calls)</p> <p>Use Visual trace root tool http://www.yougetsignal.com/tools/visual-tracert/ This site displays the path Internet packets traverse to reach a specified destination. The tool works by identifying the IP addresses of each hop along the way to the destination network address.</p> <p>Draw a diagram of the school network.</p>

<p>Information Technology Podcasts Create audio instructions and sound recordings or conduct an interview using easi speak microphone. Upload the podcast to the school VLE. Link to Sound theme</p> <p>Using the Internet Searching for information Can explain how search engine results are selected and ranked. Use advanced search techniques to refine searches. Web research about the Romans.</p> <p>Collaboration - Wiki Create a class wiki on the Romans to encourage collaborative work.</p>	<p>Information Technology Presentations Create simple presentations using software or apps Puppet Pals 2 app Toontastic app Use Shadow Puppet Edu app or Book Creator app to create a suitable presentation for younger pupils. Link to Science theme.</p> <p>Data – create a survey Design and create an online survey. Link to Crime and punishment theme and school rules. Survey Monkey https://www.surveymonkey.com/</p>	<p>Information Technology Keyboard skills Editing skills to include the use find and replace. Use keyboard shortcuts for select, copy and paste.</p> <p>Text activity – write stories create multimedia books / leaflets / posters using PowerPoint, Book Creator App, Storybird online</p> <p>Digital image manipulation Edit pictures using various tools in Dazzle or photo-manipulation software such as IrFanview; or use online editor such as ipiccy http://ipiccy.com/ Images can also be manipulated using iPad tools. Link to the History theme.</p>	<p>Information Technology Databases Create a database of local plants or species. Present information in charts and graphs</p> <p>Multimedia presentation Create a digital presentation on Manchester using photographs, video or screen casting app Photo story Shadow puppet edu iMovie trailer Thinglink app</p>	<p>Information Technology Animation Create a stop motion 3D animation using Lego movie app. Link to science theme</p> <p>Internet research Using online maps (Google maps, Google earth) to study rivers. Search for images and information on the internet to create an interactive presentation. PowerPoint, Word, Book creator app Shadow puppet edu app Thinglink app</p> <p>Digital Literacy Consider the benefits in terms of improved communication and increased opportunities for collaboration using wikis, blogs etc</p>
---	---	---	---	--