

Calveley Academy Long Term Overview

This is following the Rising Stars Computing Planning from Year 1 onwards

EYFS Overview					
Autumn 1 The Something	Autumn 2 Star in the Jar	Spring 1 Juniper Jupiter	Spring 2 Little Red	Summer 1 Storm Whale	Summer 2 The Extraordinary Gardener
Completes a simple program on a computer.		Uses ICT hardware to interact with age-appropriate computer software.		Children recognise that a range of technology is used in places such as homes and schools. They select and use technology for particular purposes.	
Year 1-2 Cycle A Overview					
Autumn Where in the World is Calveley?		Spring Our Feathered Friends		Summer 1 Afternoon Tea with the Royals	Summer 2 Commotion in the Ocean
<p style="color: red;">Unit 1.1 – We are treasure hunters (Using programmable toys)</p> <p style="color: red;">Unit 1.6 – We are celebrating (Creating a Christmas card)</p> <p>Computer Science</p> <p>Beebots on the Move:</p> <ul style="list-style-type: none"> • Creating and debugging simple programmes • Understanding what an algorithm is. • Use logical reasoning to predict the behaviour of simple programmes <p>Information Technology</p> <p>Technology outside School:</p> <ul style="list-style-type: none"> • Finding and recording examples of technology in the local community 		<p style="color: red;">Unit 1.3 – We are painters (Illustrating an eBook)</p> <p style="color: red;">Unit 1.4 – We are collectors (Finding images using the web)</p> <p>Digital Literacy</p> <p>Information Technology</p> <p>Research:</p> <ul style="list-style-type: none"> • Use the internet safely and respectfully. • Introduction to research using the internet. <p>Soundscape:</p> <ul style="list-style-type: none"> • Use technology to create digital content. (introduction to sound editing) <p style="color: purple;">Purple Mash: Unit 1.1</p>		<p style="color: red;">Unit 1.2 – We are TV chefs (Filming the steps of a recipe)</p> <p>Information Technology</p> <p>Digital Literacy</p> <p>Capture the Moment:</p> <ul style="list-style-type: none"> • Video a coronation • Use technology to create digital content. (introduction to video editing) <p>Get in Touch:</p> <ul style="list-style-type: none"> • Email the Queen • Use technology safely and respectfully <p>Information Technology</p> <p>Great Graphics:</p>	<p style="color: red;">Unit 1.5 – We are storytellers (Producing a talking book)</p>

		<ul style="list-style-type: none"> • Create a poster to advertise the tea room. • Create a menu (introduction to word processing) 	
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Year 1-2 Cycle B Overview

Autumn 1 The British Isles	Autumn 2 Behind Enemy Lines (George VI 1936-52)	Spring 1 Fun at the Fair	Spring 2 How does Your Garden Grow	Summer 1 How does Your Garden Grow	Summer 2 Water World
<p>Unit 2.5 – We are detectives (Communicating data)</p> <p>Digital Literacy Get Connected:</p> <ul style="list-style-type: none"> • Keeping personal information private and identifying where to go for help and support when they have concerns about content or contact on the internet. <p>Purple Mash Unit 2.2</p>	<p>Unit 2.3 – We are photographers (Taking, selecting and editing digital images)</p> <p>Information Technology Research:</p> <ul style="list-style-type: none"> • Retrieve and store digital content. 	<p>Unit 2.4 – We are Researchers (Researching a topic)</p> <p>Making Music using 2Sequence</p> <ul style="list-style-type: none"> • Introduction of making digital music • Explore, edit and combine sounds • Create and record own tune linking to topic 'Fun at the Fair' 	<p>Unit 2.1 – We are astronauts (Programming on screen)</p> <p>Computer Science Introduction to Programing:</p> <ul style="list-style-type: none"> • Understand how to implement algorithms as programs on digital devices. • Use Scratch to create a basic programme. 	<p>Unit 2.2 We are game testers (Exploring how computer games work)</p>	<p>Unit 2.6 -We are zoologists (Recording a bug hunt data)</p>

Year 3-4 Cycle A Overview

Spring 1 A Passport to Europe	Spring 2 The Penny Black (Queen Victoria 1837-1901)	Spring Reduce, Reuse, Recycle	Summer Ready, Steady, Cook

<p>Unit 3.5 – We are communicators (Communicating safely on the internet)</p> <p>Purple Mash Unit 3.2</p> <p>Radio Acton:</p> <ul style="list-style-type: none"> • Create a radio advert about the different countries in Europe. <p>Information Technology Introduction to databases:</p> <ul style="list-style-type: none"> • Use purple mash software. • Create a rock classification database. • Use 2investigate (purple mash) 	<p>Unit 3.2 – We are vloggers (Making and sharing a short screencast presentation)</p> <p>Information technology Word Processing:</p> <ul style="list-style-type: none"> • Present newspapers. • Use grammar, punctuation and spelling checks. 	<p>Unit 3.6 – We are opinion pollsters (Collecting and analysing data)</p> <p>Unit 3.3 – We are presenters (Videoing performance)</p>	<p>Unit 3.1 – We are programmers (Programming an animation) – linked to Science</p> <p>Unit 3.2 – We are bug fixers (Finding and correcting bugs)</p> <p>2 Animate:</p> <ul style="list-style-type: none"> • Create an animation of how a plant grows.
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Year 3-4 Cycle B Overview

The Forgotten Flamboyant King (James I 1567-1625)	Gift of Giving	War, Fire and Pestilence (Charles I-II 1625-49, 1649-51)	Around the World in 80 days	Lights, Camera, Fashion
<p>Unit 4.1 – We are software developers (Developing a simple educational game)</p>	<p>Unit 4.2 – We are toy designers (Prototyping an interactive)</p>	<p>Unit 4.4 – We are HTML editors (Editing and writing a HTML)</p>	<p>Unit 4.6 – We are meteorologists (Presenting the weather)</p> <p>Information Technology Advertising:</p> <ul style="list-style-type: none"> • Create a 30 	<p>Unit 4.3 – We are musicians (Producing digital music)</p> <p>Unit 4.5 – We are co-authors (producing a wiki)</p> <p>Research:</p> <ul style="list-style-type: none"> • To identify biased and non-biased information on the internet. • Identify reliable sources of information.

			second advert for the fashion show event.	<p>Purple Mash Unit 4.2</p> <p>Introduction to Market Research: Analysing, evaluating and presenting data and Information</p>
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Year 5-6 Cycle A Overview

Autumn 1 Sails, Seas and Scurvy (Queen Elizabeth I 1558-1603)	Autumn 2 Wonders of the World	Spring Ecotricity	Summer 1 What's on the Menu?	Summer 2 The Empire Strikes Back (27BC – 476AD)
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<p>Unit 5.1 - We are game developers (Developing an interactive game)</p> <p>Computer Science Coding:</p> <ul style="list-style-type: none"> • Create a Scratch programme • Create a cartoon about a key event from the reign of Queen Elizabeth I. 	<p>Unit 5.3 -We are artists (Fusing geometry and art)</p>	<p>Unit 5.2- We are cryptographers (Cracking Codes) Unit 5.4 – We are web designers (Creating a web page about cyber safety)</p> <p>Digital Literacy Social Network:</p> <ul style="list-style-type: none"> • Create a social network on Edmo for the children to interact on. • Use technology safely, respectfully and responsibly. • Recognise acceptable and unacceptable behaviour. • Identify a range of ways of reporting concerns. <p>Purple Mash Unit 5.2</p> <p>Excel Yourself with Graphs:</p> <ul style="list-style-type: none"> • Introduction to spreadsheets and graphs. • Use a range of software to create content that accomplishes given goals 	<p>Unit 5.5 – We are bloggers (Sharing experiences and opinions)</p> <p>Information Technology Introduction to PowerPoint: Use Power Point software to present their restaurant concepts.</p> <p>Access Computing:</p> <ul style="list-style-type: none"> • Create a detailed database. • Using search technologies effectively, appreciate how results are selected and ranked. • Use Access Software 	<p>Unit 5.6 – We are architects (Creating a virtual space)</p>
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Year 5-6 Cycle B Overview

Autumn 1 Law and Disorder (Vikings 790-1066)	Autumn 2 The Apprentice	Spring Globalcitizen@work	Summer 1 Pharaohs, pyramids and pre- historic periods	Summer 2 Wacky Races
<p>Unit 6.1 – We are adventure gamers (Making a text-based adventure game)</p>	<p>Unit 6.2 -We are computational thinkers (Mastering algorithms for searching, sorting and mathematics)</p> <p>App Building:</p> <ul style="list-style-type: none"> • Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in their algorithms. • Publishing to Present: 	<p>Unit 6.3 – We are advertisers (Creating a short television advert)</p> <p>Unit 6.5 – We are travel writers (Using media and mapping to document a trip)</p> <p>Digital Literacy</p> <p>Social Networking –World Wide:</p> <ul style="list-style-type: none"> • Children to learn about their digital footprints and how they will follow them through life. <p>Introduction to Prezi:</p> <ul style="list-style-type: none"> • Create a Prezi pitch about being responsible citizens with digital technology. 	<p>Unit 6.4 – We are network engineers (Exploring computer networks including the internet)</p> <p>Information Technology</p> <p>Web Design:</p> <ul style="list-style-type: none"> • Understand computer networks, including the internet. • Create opportunities for communication and collaboration. • Use and combine a variety of software on a range of digital devices to design and create a website. 	<p>Unit 6.6- We are publishers (Creating a year book)</p>