

## Computing - Whole School Coverage of the National Curriculum 2017-18

Year _ Curriculum 2017-2018	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Year 1</b>	<b>What's outside my front door</b> Understanding computers. Using Office, inserting pictures	<b>What's outside my front door</b> Programming 1: Unplugged/ Algorithms/Beebots/Be ebot App	<b>Oh I do like to be beside the seaside</b> Multimedia Painting with Tux Paint	<b>Oh I do like to be beside the seaside</b> Multimedia eCard creator Creating an e-card (Easter)	<b>Let's go on safari</b> Programming 2 Unplugged / Scratch Junior	<b>Let's go on safari</b> Understanding computers / Keyboard skills Poster linked to topic
<b>Year 1 Online Safety</b>	Personal Information – basic introduction	Respecting others	Staying safe online	Internet use – what it is and how we use it	Where to turn if you find a problem online	Revisit
<b>Year 1 Keyboard skills</b>	Keyboard skill focus: Use a word, sound or picture bank to present ideas. Use index fingers (left and right hand) on a keyboard to build words and sentences. Know when and how to use the SPACE BAR (thumbs) to make spaces between words					
<b>Year 2</b>	<b>Fire! Fire!</b> Programming 1: Unplugged/Algorithms/K odable	<b>Fire! Fire!</b> Creating digital Stories (Book Creator) Fire of London,	<b>Our Zoo</b> Programming 2: Unplugged/Algorithms/A. L.E.X	<b>Our Zoo</b> Understanding computers / Keyboard skills Poster/Leaflet linked to topic	<b>Who is on the throne?</b> Programming 3: Unplugged / Scratch Junior	<b>Who is on the throne?</b> Creating digital Stories (Sock puppets)
<b>Year 2 Online Safety</b>	Personal Information – how to keep it private	Help and support with online problems	Contact and content	Respecting others	Different online technologies	Revisit
<b>Year 2 Keyboard skills</b>	Keyboard skill focus: Use keyboard to enter text (index fingers left and right hand). Know when and how to use the RETURN/ENTER key. Use SHIFT and CAPS LOCK to enter capital letters. Use DELETE and BACKSPACE buttons to correct text. Create sentences, SAVE and edit them later.					
<b>Year 3</b>	<b>Castra Deva</b> Programming 1: Unplugged/Algorithms/S cratch debugging - Rock band	<b>Castra Deva</b> Keyboard skills. Microsoft PowerPoint. Create a fact file on Chester	<b>Changes in Britain from Stone to Iron Age</b> Programming 2: Unplugged/Algorithm s/Scratch debugging – Lost in Space	<b>Changes in Britain from Stone to Iron Age</b> Simple poster with images / text. Green Screen/Imovie – class documentary. QR Code	<b>Home and Away</b> Programming 3: Scratch	<b>Home and Away</b> Photo and video editing. Stop motion app.
<b>Year 3 Online Safety</b>	Personal Information – how to keep it private	Respecting others and their information	Online behaviour – recap previous and then reporting	Reporting inappropriate content	Introducing passwords	<b>Revisit</b>
<b>Year 3 Keyboard skills</b>	Keyboard skill focus: <ul style="list-style-type: none"> <li>• Use keyboard to enter text (index fingers left and right hand).</li> <li>• Know when and how to use the RETURN/ENTER key.</li> <li>• Use SHIFT and CAPS LOCK to enter capital letters.</li> </ul>					

	<ul style="list-style-type: none"> <li>Use DELETE and BACKSPACE buttons to correct text.</li> <li>Create sentences, SAVE and edit them later.</li> </ul>					
<b>Year 4</b>	<b>Jewel of the Nile</b> Programming 1: Unplugged/Scratch – Ghostbusters	<b>Jewel of the Nile</b> Keyboard skills. Microsoft PowerPoint. Create a fact file on Ancient Egypt.	<b>Where will my passport take me?</b> Introduction to Networks/digital Content. Mozilla X-Ray Goggles	<b>Where will my passport take me?</b> Programming 2 Scratch (ChatBot)/	<b>Roman Empire and impact on Britain</b> Programming 3 Lego (WeDo)	<b>Roman Empire and impact on Britain</b> Microsoft Publisher:
<b>Year 4 Online Safety</b>	Personal Information – address lists and phone/email accounts	Online behaviour	Ways to report content and contact with other material	Safe searching	Apps – staying safe	Revisit
<b>Year 4 Keyboard skills</b>	Keyboard Skill focus: <ul style="list-style-type: none"> <li>Use font sizes and effects such as bullet points appropriately.</li> <li>Use CUT, COPY and PASTE to organise and reorganise text on screen.</li> <li>Edit text using DELETE, INSERT and OVERWRITE as appropriate.</li> <li>Drag over and move text.</li> <li>Know how to use a spellcheck.</li> <li>Use individual fingers, returning to home keys, to input text.</li> <li>Use the shift key (little finger) to type characters such as £ ( ) +</li> <li>Input numbers using individual fingers, returning to home keys.</li> </ul>					
<b>Year 5</b>	<b>Vicious Vikings Vs Savage Saxons</b> Programming 1: Unplugged/ Viking animation in Scratch	<b>Vicious Vikings Vs Savage Saxons</b> Introduction to Networks/digital Content. Mozilla X-Ray Goggles (recap)/Thimble (html)	<b>We'll meet again</b> Programming 2: Unplugged/Cargobot	<b>We'll meet again</b> Composing music	<b>Space</b> Newspaper Report using publisher	<b>Space</b> Programming 3: Unplugged/Introductio n to Kodu (lessons 1&2)
<b>Year 5 Online Safety</b>	Personal Information – avoiding viruses and SPAM	Developing secure passwords	Online reporting	YouTube dangers	Safe searching	Revisit
<b>Year 5 Keyboard skills</b>	Keyboard Skills: <ul style="list-style-type: none"> <li>Use individual fingers, returning to home keys, to input text.</li> <li>Use knowledge of text marking/editing to extract key points from texts.</li> <li>Use the shift key (little finger) to type characters as needed.</li> <li>Input numbers using individual fingers, returning to home keys.</li> </ul>					
<b>Year 6</b>	<b>Crime and Punishment</b> Programming 2– Unplugged/Kodu (lessons 3&4)	<b>Crime and Punishment</b> Keyboard skills. Microsoft PowerPoint/Publishe r.	<b>Mayans</b> Programming 2– Unplugged/Kodu (lessons 5&6)	<b>Mayans</b> Performance Green Screen /iMovie	<b>Changing role of women</b> Programming 2: Unplugged/Cargobot (advanced levels)	<b>Changing role of women</b> Building our own website (Thimble)

<b>Year 6 Online Safety</b>	Personal Information – recap of passwords, information, address lists and viruses)	Webcams and uses	Ways to report whilst online	WiFi security	Social Media	Revisit
<b>Year 6 Keyboard skills</b>	Keyboard Skills: <ul style="list-style-type: none"> <li>• Use individual fingers, returning to home keys, to input text.</li> <li>• Use the understanding of the editing tools of a text handling program to write different versions and genres of texts.</li> <li>• Use knowledge of text marking/editing to extract key points from texts.</li> <li>• Use the shift key (little finger) to type characters as needed.</li> <li>• Input numbers using individual fingers, returning to home keys.</li> </ul>					

<b>Unit</b>	<b>Unit Title and Focus</b>	<b>Unit Summary</b>	<b>Study Focus of Computing Programme</b>	<b>Software/Hardware</b>
<b>N</b>	Technology	Seeks to acquire basic skills in turning on and operating equipment		CD player, camera, battery operated toys
		Operates mechanical toys		Friction cars
		Knows how to operate simple equipment		CD player, camera, battery operated toys, iPad, computer
		Shows an interest in technological toys with knobs or pulleys, or real objects		CD player, camera, battery operated toys
		Shows skill in making toys work by pressing parts or lifting flaps to achieve effects such as sound, movements or new images		Interactive books, iPad Apps
		Knows that information can be retrieved from computers		Computers, iPads
<b>R</b>	Technology	Completes a simple program on a computer		Computers, iPads,
		Interacts with age appropriate computer software		Computers, iPads,
		Recognise that a range of technology is used in places such as home and schools. Select and use technology for particular purposes		Computers, iPads, remote controls, CD player, photocopier, role play