

**Bridge Hall Primary Our curriculum intent is to learn, to explore, to share**

Curriculum Mapping - Computing

Learning to use and question technology to enable us to live in a digital world.

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	Opening apps	Digital art	Online Safety	Coding BeeBots	Coding iPad app	Online Safety
Year 1	<p><b>Coding - BeeBots</b></p> <ul style="list-style-type: none"> <li>↘ know what might happen if following an instruction</li> <li>↘ Know how to follow a direct command</li> <li>↘ Give a series of commands</li> <li>↘ create instructions to get to a given destination</li> <li>↘ be able to correct and improve commands</li> </ul>	<p><b>Digital Art</b></p> <ul style="list-style-type: none"> <li>↘ open a program</li> <li>↘ I know which tools to use</li> <li>↘ I know how pictures can be placed onto fabric</li> </ul>	<p><b>Online Safety</b></p> <ul style="list-style-type: none"> <li>↘ know how to use own login</li> <li>↘ know how to save own work</li> <li>↘ Know that their work is safe in their own folder</li> <li>↘ Know why we shouldn't share our logins</li> <li>↘ I know what an avatar is for</li> </ul>	<p><b>Technology outside of school / Animated story books</b></p> <ul style="list-style-type: none"> <li>↘ Name a place where technology is used outside school</li> <li>↘ describe the features of an e-book</li> <li>↘ use drawing tools to create a picture</li> <li>↘ can add text and background</li> <li>↘ can add animation and sound</li> </ul>	<p><b>Coding - Maze Explorers</b></p> <ul style="list-style-type: none"> <li>↘ name direction keys</li> <li>↘ can identify a unit of measure</li> <li>↘ Know how to undo the last move</li> <li>↘ Know how to move the character</li> <li>↘ I know how to change the background image</li> </ul>	<p><b>Lego builders</b></p> <ul style="list-style-type: none"> <li>↘ know that an algorithm is a set of precise instructions</li> <li>↘ instructions need to be carried out in order</li> <li>↘ an algorithm is also called a program</li> <li>↘ Know that correcting errors in an algorithm is called debugging</li> </ul>
Year 2	<p><b>Making music</b></p> <ul style="list-style-type: none"> <li>↘ know that sounds can be edited and combined digitally</li> <li>↘ know that sounds can be added to an existing tune</li> <li>↘ know that sounds can be stored in a sound bank</li> </ul>	<p><b>Coding</b></p> <ul style="list-style-type: none"> <li>↘ know who Ada Lovelace is</li> <li>↘ Can explain what an algorithm is</li> <li>↘ can explain the term 'debugging'</li> <li>↘ select character objects</li> <li>↘ predict events and explain why</li> </ul>	<p><b>Questions</b></p> <ul style="list-style-type: none"> <li>↘ Know what a pictogram is</li> <li>↘ Know that the information in a pictogram is limited</li> <li>↘ Know what a binary tree is</li> </ul>	<p><b>Creating pictures</b></p> <ul style="list-style-type: none"> <li>↘ know the tools to use to create a painting</li> <li>↘ Know the tools to use to create pointillism art</li> <li>↘ Know what the line template will create</li> <li>↘ explain the pattern template</li> <li>↘ Explain what collage is</li> </ul>	<p><b>Online Safety</b></p> <ul style="list-style-type: none"> <li>↘ know email is communication that is not face to face</li> <li>↘ know that email conversations are the same as face to face</li> <li>↘ to open and send email</li> <li>↘ Know what a digital footprint is</li> </ul>	<p><b>Presenting ideas</b></p> <ul style="list-style-type: none"> <li>↘ explain what a mind map is</li> <li>↘ describe a quiz they have made</li> <li>↘ explain how to make a factfile</li> <li>↘ know how to add clipart</li> <li>↘ know how to add a photo</li> </ul>

					<ul style="list-style-type: none"> <li>know what personal data needs to stay personal</li> </ul>	
Year 3	<b>Online Safety</b> <ul style="list-style-type: none"> <li>Know what personal information to keep private online</li> <li>know that people may not be who they say they are</li> <li>know how to read a profile</li> <li>know why online privacy is important</li> </ul>	<b>Touch Typing</b> <ul style="list-style-type: none"> <li>Know the names of the fingers</li> <li>know what the home, bottom and top rows are</li> <li>know that using two hands is ideal</li> <li>say which keys are for the left hand</li> <li>say which keys are for the right hand</li> </ul>	<b>Coding</b> <ul style="list-style-type: none"> <li>Know how a flowchart works</li> <li>know how to use a timer</li> <li>know how to repeat commands</li> <li>Can set properties of objects</li> <li>Can plan a scene and code before making a program</li> </ul>	<b>Online Safety</b> <ul style="list-style-type: none"> <li>Know what a good password is</li> <li>know that not all information on a website is true</li> <li>is beginning to understand the term 'spoof'</li> <li>name 3 effects of accessing inappropriate games/content</li> <li>know that cyberbullying is as damaging as real-world bullying</li> </ul>	<b>Spreadsheets/Graphing</b> <ul style="list-style-type: none"> <li>Know what a spreadsheet is</li> <li>know how to use the more than/less than function</li> <li>know how to use the equals function</li> <li>Can explain what a cell is</li> <li>Can explain how to use the spin tool</li> </ul>	<b>Branching database</b> <ul style="list-style-type: none"> <li>know what a branching database is</li> <li>know how to pose a question to achieve a yes/no answer</li> <li>describe a branching database they have made</li> </ul>
Year 4	<b>Online Safety - Check it's for real</b> <ul style="list-style-type: none"> <li>Know what phishing is</li> <li>know that people may not be who they say they are</li> <li>Begin to recognise a scam</li> <li>Know about Jesse Russell</li> </ul>	<b>Logo</b> <ul style="list-style-type: none"> <li>know what instructions to use to create a shape</li> <li>know pu and pd instructions</li> <li>know how to use the repeat feature</li> <li>know how to use the procedure feature</li> </ul>	<b>Spreadsheets</b> <ul style="list-style-type: none"> <li>know what a spreadsheet is</li> <li>know how to format cells</li> <li>know how to use a formula to create a calculation in a cell</li> <li>know how to use the timer tool and explain what it does</li> </ul>	<b>Searching</b> <ul style="list-style-type: none"> <li>know what a search engine is</li> <li>know how to locate specific information</li> <li>name a presentation tool (google slides, powerpoint)</li> <li>know how to add text, images and a new slide</li> </ul>	<b>Animation</b> <ul style="list-style-type: none"> <li>know what a flip book animation is</li> <li>know how to use the onion skin tool</li> <li>know how to add a background</li> <li>know what a stop motion animation is</li> </ul>	<b>Coding</b> <ul style="list-style-type: none"> <li>know what an algorithm is</li> <li>know what an 'if' statement will do</li> <li>know what x and y properties are</li> <li>know how to use a variable</li> </ul>

<p>Year 5</p>	<p><b>Game Creator</b></p> <ul style="list-style-type: none"> <li>✚ know what makes a pc game good</li> <li>✚ know how to upload an image</li> <li>✚ Know how to change animations</li> <li>✚ Know how to add sounds</li> <li>✚ know how to evaluate a game</li> </ul>	<p><b>Online Safety - Looking after yourself</b></p> <ul style="list-style-type: none"> <li>✚ Know how to build a strong password</li> <li>✚ know why a weak password is a problem</li> <li>✚ Know where to find privacy settings</li> <li>✚ Know what online bullying looks like</li> <li>✚ know how to behave positively online</li> </ul>	<p><b>3D Modelling</b></p> <ul style="list-style-type: none"> <li>✚ know what 2D and 3D mean</li> <li>✚ know how to alter a shape within design mode</li> <li>✚ Know what a polygon is</li> <li>✚ Know how to make a 3D model from a net</li> </ul>	<p><b>Word Processing</b></p> <ul style="list-style-type: none"> <li>✚ know what a word processing tool is for</li> <li>✚ know how to alter the layout</li> <li>✚ Know how to alter the text shape and size</li> <li>✚ Know how to add and resize an image</li> <li>✚ know what text wrapping is</li> </ul>	<p><b>Coding</b></p> <ul style="list-style-type: none"> <li>✚ know what a variable is</li> <li>✚ know what the term algorithm means</li> <li>✚ Know how to use functions</li> <li>✚ Know how to create strings in programming</li> </ul>	<p><b>Spreadsheets</b></p> <ul style="list-style-type: none"> <li>✚ know what formatting means</li> <li>✚ know how to use spin, timer and random number tools</li> <li>✚ Know how to create a line graph</li> <li>✚ Know how read a line graph</li> </ul>
<p>Year 6</p>	<p><b>Online Safety</b> Respecting each other</p> <ul style="list-style-type: none"> <li>✚ Know how to be kind online</li> <li>✚ know how to stand up to an online bully</li> <li>✚ Know what emojis mean</li> <li>✚ Know how to address negative emojis</li> </ul>	<p><b>Coding</b></p> <ul style="list-style-type: none"> <li>✚ Know what a flowchart is</li> <li>✚ know what a timer and score will add to a game</li> <li>✚ Know what a variable is</li> <li>✚ explain what a text adventure is</li> </ul>	<p><b>Quizing</b></p> <ul style="list-style-type: none"> <li>✚ Know who Alan Turin was</li> <li>✚ know what a picture based quiz is</li> <li>✚ name a question type</li> <li>✚ describe a quiz they have made</li> </ul>	<p><b>Blogging</b></p> <ul style="list-style-type: none"> <li>✚ Know what a blog is</li> <li>✚ know who the audience would be</li> <li>✚ Know how posts could be misleading</li> <li>✚ explain how comments could be classed as inappropriate or bullying</li> <li>✚ explain how a blog could be effective</li> </ul>	<p><b>Networks</b></p> <ul style="list-style-type: none"> <li>✚ Know what the world wide web is</li> <li>✚ know what the internet is</li> <li>✚ Know about the school network</li> <li>✚ explain the difference between LAN and WAN</li> <li>✚ know who Tim Berners-Lee is</li> </ul>	<p><b>Spreadsheets</b></p> <ul style="list-style-type: none"> <li>✚ Know what a spreadsheet is</li> <li>✚ know about copy and paste shortcuts</li> <li>✚ Know how to use the function wizard</li> <li>✚ explain how a spreadsheet can help to solve a problem</li> <li>✚ Know how spreadsheets are used in the real world</li> </ul>