

## Computing Curriculum Coverage - Early Years to Year 6

Across the School, we teach topics which link to the 3 main areas of Computing which are colour coordinated below:

Computer Science,

Information Technology (E-Safety is taught each half term at the end of each Computing Unit),

Digital Literacy.

	<u>Term 1</u>	<u>Term 2</u>	<u>Term 3</u>	<u>Term 4</u>	<u>Term 5</u>	<u>Term 6</u>
<u>Early Years</u>	<ul style="list-style-type: none"> <li>• Draws on iPad.</li> <li>• Can lock and open iPad.</li> <li>• Able to move a mouse and select on a computer.</li> <li>• Follows simple directions by an adult during unplugged activities.</li> </ul>		<ul style="list-style-type: none"> <li>• Able to select an app directed by an adult.</li> <li>• Able to type and use a mouse (select and drag) on a computer.</li> <li>• Able to give simple instructions during unplugged activities.</li> </ul>		<ul style="list-style-type: none"> <li>• Able to programme on iPad game.</li> <li>• Attempts/able to log on to computer.</li> <li>• Able to give and follow two-part instructions from peers in unplugged activities.</li> </ul>	
<u>Year 1</u>	<u>Mouse and Keyboard</u> If I can't touch the screen, what else can I do?  <u>Digital Literacy Skills taught:</u> Navigate on a computer, Save my work.	<u>Text and Images</u>  How do we change an image?	<u>Design</u>  How do we create using technology?	<u>Digital Art</u>  How do we make pictures using a computer?	<u>Comic creation</u>  How is a Marvel comic made?	<u>Introduce Programming</u>  How do we make something move?

<p><u>Year 2</u></p>	<p><u>Recognise uses of IT</u></p> <p>Typing</p> <p>How can I edit and save my work?</p> <p><u>Digital Literacy Skills taught:</u> Use a camera, Edit work, Navigate software and folders, Spell check, Use the shift and caps locks key, Use menus on software.</p>	<p><u>Internet Research</u></p> <p>What facts can you find out?</p>	<p><u>Introduce Data Handling</u></p> <p>How can we show our results using an iPad?</p>	<p><u>Digital Art</u></p> <p>How do we create using technology?</p>	<p><u>E-Book Creation</u></p> <p>How we do make a book on an iPad?</p>	<p><u>Programming with Scratch Jnr</u></p> <p>How do we fix a bug? How do we make Scratch move to create a short programme?</p>
<p><u>Year 3</u></p>	<p><u>Document editing and Creation</u></p> <p>Typing</p> <p><u>Digital Literacy Skills taught:</u> Create a new document, Add an image.</p>	<p><u>Infographics</u></p> <p><u>Branching Databases</u></p> <p>How do we make a family tree using the computer?</p>	<p><u>Music Creator</u></p> <p>How is music made online?</p>	<p><u>Digital Art</u></p> <p>How do we create using technology?</p>	<p><u>Comic Creation</u></p> <p>What will your adventure be?</p>	<p><u>Programming in Kodu</u></p> <p>How do we create a 3D world online?</p>
<p><u>Year 4</u></p>	<p><u>Internet Research</u></p> <p>Typing</p> <p><u>Digital Literacy Skills taught:</u></p>	<p><u>Data Handling</u></p> <p>How do we analyse our</p>	<p><u>E-Book Creation</u></p> <p>How do we make a book interactive?</p>	<p><u>Video Editing</u></p> <p>How can we edit our video?</p>	<p><u>Raspberry Pis – lightbulb</u></p> <p>(link for the website is</p>	<p><u>Programming in Scratch</u></p> <p>How do we programme a</p>

	Add a text box, Crop an image.	data using Excel?			<a href="https://goo.gl/h8hRj9">https://goo.gl/h8hRj9</a> ) Where does light come from? How is light made?	robot using Scratch?
<u>Year 5</u>	<u>Computer Networks and the Internet</u>  <u>Operating systems</u>  How can we organise our folders?  <u>Digital Literacy Skills taught:</u> Use multiple tabs window, Organise work in columns.	<u>Data Handling</u>  How do we use formulas?	<u>Music Creation</u>  How do we edit tracks and add effects?	<u>App Design</u>  How do we use a range of sources to design and create a programme?	<u>Programming – Micro:Bits</u>  Which physical device is best?	<u>Programming with Sphero</u>  How do we control a Sphero?
<u>Year 6</u>	<u>Computers: Past, Present and Future</u>  What will computers look like in 30 years?	<u>Image editing</u>  How can we improve an image?	<u>Graphic Design</u>  How was Newcastle United's logo made?	<u>Web design</u>  What will your website be about?	<u>Binary</u>  What's the code?	<u>Programming using Python</u>  How will computing continue to develop?