

## Bispham Drive Junior School Computing Curriculum Overview 2019 2020

Our computing curriculum has been carefully designed to constantly reinforce the basics, particularly in relation to safety, whilst building skills and knowledge. Children will develop an understanding of both hardware and software and also how the internet works and how computers are linked and communicate. We feel it is important they have a good knowledge of the systems they use every day as this enables them to make informed decisions about how they use technology and the impact of the actions they take.

Computing	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Year 3</b>	<p>What is a computer? Understanding that computers are connected What is a password? Online Safety Basic Keyboard skills</p> <ul style="list-style-type: none"> <li>understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration</li> <li>use</li> </ul>	<p>What is a search engine? Online Safety Google Drive Google Docs Basic Keyboard skills</p> <ul style="list-style-type: none"> <li>use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact</li> <li>use search technologies effectively, appreciate how results</li> </ul>	<p>Online Safety Google Drive Google Docs Adobe Spark Basic Keyboard skills</p> <ul style="list-style-type: none"> <li>use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact</li> <li>use search technologies effectively, appreciate how results are selected</li> </ul>	<p>Online Safety Google Drive Google Docs Code.org</p> <ul style="list-style-type: none"> <li>use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</li> <li>use sequence, selection, and repetition in programs;</li> <li>use technology safely, respectfully and responsibly;</li> </ul>	<p>Online Safety Google Drive Google Docs Adobe Spark Code.org</p> <ul style="list-style-type: none"> <li>use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</li> <li>use sequence, selection, and repetition in programs</li> <li>use technology safely, respectfully and</li> </ul>	<p>Online Safety Google Drive Google Docs Code.org</p> <ul style="list-style-type: none"> <li>use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</li> <li>use sequence, selection, and repetition in programs</li> <li>use technology safely, respectfully and responsibly;</li> </ul>

	<p>technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact</p> <ul style="list-style-type: none"> <li>• use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content</li> </ul>	<p>are selected and ranked, and be discerning in evaluating digital content</p>	<p>and ranked, and be discerning in evaluating digital content</p>	<p>recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact</p> <ul style="list-style-type: none"> <li>• use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content</li> </ul>	<p>responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact;</p> <ul style="list-style-type: none"> <li>• use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content</li> </ul>	<p>recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact</p> <ul style="list-style-type: none"> <li>• use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content;</li> </ul>
<b>Year 4</b>	<p>Keyboard and Mouse Skills E-safety &amp; digital literacy</p>	<p>What is a computer?</p>	<p>Communicating: Text, Images and Multimedia/Software development</p>	<p>Understanding and sharing data</p>	<p>programming and computational thinking</p>	
<b>Year 5</b>	<p>Introduction to new Google Classroom page File Management recap (Google</p>	<p>What is a computer? - Networks Editing audio (Macbeth Interview</p>	<p>Communicating: Text, Images and Multimedia - What is a search engine? (Create a screen</p>	<p>Programming &amp; Computational Thinking (Variables) Communication: Text, Images and</p>	<p>Create and manipulate 2d/3d shapes (Designing a rocket - Google Docs)</p>	<p>Persuasive powerpoint (Google Slides) Online Safety Keyboard Skills</p>

	Drive) Online Safety Keyboard Skills	podcasts using the radio station) Online Safety Keyboard Skills	recording of features of Google) Online Safety Keyboard Skills	Multimedia - Explanation poster (Robin Hood weapon - Canva.com) Online Safety Keyboard Skills	Online Safety Keyboard Skills	
<b>Year 6</b>			Information online (links with RSE) Real news v fake news	Google forms (linked to statistics in Maths)	Google sheets	Create a We Video related to Science topic (Communicating text, images and multi-media)  Adobe - create a website (Maya project)