

<b>Computing</b> <b>3 Key Learning</b> <b>Points</b>	<b>Autumn 1</b>	<b>Autumn 2</b>	<b>Spring 1</b>	<b>Spring 2</b>	<b>Summer 1</b>	<b>Summer 2</b>
<b>Year 6</b>	<p><b><u>Advanced Internet Use</u></b></p> <ul style="list-style-type: none"> <li>- Understand the importance of checking a website for credibility and reasonableness.</li> <li>- Compare websites and identify hoaxes.</li> <li>- Recognise that media can be copyrighted and not used without permission.</li> </ul>	<p><b><u>Website Creation</u></b></p> <ul style="list-style-type: none"> <li>- Identify the different purposes of websites.</li> <li>- Explore how interactive features can improve a website.</li> <li>- Recognise features of website layouts.</li> </ul>	<p><b><u>Spreadsheets</u></b></p> <ul style="list-style-type: none"> <li>- Use spreadsheets to perform calculations.</li> <li>- Create charts using spreadsheets.</li> <li>- Organise and present data in a spreadsheet.</li> </ul>	<p><b><u>Collaboration &amp; Communication</u></b></p> <ul style="list-style-type: none"> <li>- Understand that the internet relies on sending complex messages between computers.</li> <li>- Describe how packets of information are sent between routers using the shortest route.</li> <li>- Explore how the internet can be used for collaborative working.</li> </ul>	<p><b><u>3D Modelling</u></b></p> <ul style="list-style-type: none"> <li>- Manipulate objects by resizing, moving, and rotating them.</li> <li>- Recognise benefits of using 3D computer designs.</li> <li>- Create objects on screen as part of a 3D model.</li> </ul>	
<b>Year 5</b>	<p><b><u>Presentations</u></b></p> <ul style="list-style-type: none"> <li>- Compare presentations to word-processed documents.</li> <li>- Use hyperlinks as shortcuts to move between slides.</li> <li>- Apply effective formatting to improve a presentation.</li> </ul>	<p><b><u>Video Editing</u></b></p> <ul style="list-style-type: none"> <li>- Understand how filming techniques create effects.</li> <li>- Explore how visual effects produce different outcomes.</li> <li>- Record a video.</li> </ul>	<p><b><u>Databases</u></b></p> <ul style="list-style-type: none"> <li>- Recognise that information can be recorded as data.</li> <li>- Describe the structure of a database (records, fields, attributes).</li> <li>- Sort a database using filters.</li> </ul>	<p><b><u>Systems and Searches</u></b></p> <ul style="list-style-type: none"> <li>- Explain what a Boolean search is and why it is useful.</li> <li>- Identify the purpose, content, and design of a website.</li> <li>- Use advanced search operators.</li> </ul>	<p><b><u>Podcasting</u></b></p> <ul style="list-style-type: none"> <li>- Edit and layer loops to create effects.</li> <li>- Record a voice and edit it.</li> <li>- Layer sounds and music to enhance a voice recording.</li> </ul>	

<p><b>Year 4</b></p>	<p><b><u>Advanced Text and Graphics</u></b>  - Adjust text formatting to suit the document.  - Use tables to organise information.  - Enter text and images into a word processing document.</p>	<p><b><u>Animation</u></b>  - Apply onion skinning to help create a stop motion animation.  - Understand how editing affects animation effectiveness.  - Use storyboards to plan animations.</p>	<p><b><u>Data Logging</u></b>  - Use tables to organise data.  - Understand that data loggers use sensors to collect data.  - Identify data attributes and values.</p>	<p><b><u>Online Images &amp; Photo Editing</u></b>  - Use photo editing to alter images.  - Recognise what can and cannot be shared online.  - Access the World Wide Web.</p>	<p><b><u>Vector Graphics</u></b>  - Use vector graphics to create designs.  - Apply layering to create depth in a design.  - Group elements to support designs.</p>	
<p><b>Year 3</b></p>	<p><b><u>Text and Graphics</u></b>  - Know that it is important to edit fonts to suit the audience and purpose of a document.  - Know how to enter text into a word processing document and change the font.  - Know how to select text.</p>	<p><b><u>Publishing</u></b>  - Apply careful choices of fonts, colours, and layouts for good designs.  - Compare print and video presentations.  - Use graphic design features to create a poster.</p>	<p><b><u>Branching Databases</u></b>  - Group items using common features.  - Create closed questions.  - Build and use an online branching database.</p>	<p><b><u>Computers and the Internet</u></b>  - Explain how school networks work.  - Identify some input and output devices.  - Describe what the internet is.</p>	<p><b><u>Audio Visual Media</u></b>  - Use storyboards to plan films.  - Record a film clip.  - Edit a video using appropriate software.</p>	
<p><b>Year 2</b></p>	<p><b><u>Digital Books</u></b>  - Know that text should stand out.  - Know that digital books can be easily edited.</p>	<p><b><u>Digital Photography</u></b>  - Know that different devices can be used to take photographs.</p>	<p><b><u>Data Handling</u></b>  - Present data in different ways.  - Record data in a tally chart.  - Collect and organise data.</p>	<p><b><u>Digital Technology Around Us</u></b>  - Recognise how digital technology is used in school to make tasks easier.  - Describe how</p>	<p><b><u>Digital Art</u></b>  - Know that paint tools can be used to draw a digital picture.  - Know that it is possible to change</p>	

	<ul style="list-style-type: none"> <li>- Know that pages in books can be designed with different layouts.</li> </ul>	<ul style="list-style-type: none"> <li>- Know that photos can be taken in both landscape and portrait format.</li> <li>- Know that digital images can be changed.</li> </ul>		<ul style="list-style-type: none"> <li>different people in school use technology.</li> <li>- Explore how digital technology is used widely to make tasks easier and safer.</li> </ul>	<ul style="list-style-type: none"> <li>digital colours and brush sizes.</li> <li>- Know how to make marks on a screen.</li> </ul>	
<b>Year 1</b>	<p><b><u>Text and Images</u></b></p> <ul style="list-style-type: none"> <li>- Know that text and images should communicate information clearly.</li> <li>- Know that images and text can be inserted into a digital device.</li> <li>- Know that changing the font, size and colour of text can make it easier to read.</li> </ul>	<p><b><u>Audio Visual</u></b></p> <ul style="list-style-type: none"> <li>- Know that adding audio to an image can make it more interesting.</li> <li>- Know that voices can be recorded and played back using a digital device.</li> <li>- Know how to animate a picture.</li> </ul>	<p><b><u>Data - Pictograms</u></b></p> <ul style="list-style-type: none"> <li>- Know that objects can be sorted into different groups.</li> <li>- Know that pictograms can be used to answer questions about data.</li> <li>- Know that data in digital pictograms can be changed easily.</li> </ul>	<p><b><u>Tech Around Us</u></b></p> <ul style="list-style-type: none"> <li>- Know that technology can help us.</li> <li>- Know and can name examples of technology.</li> <li>- Know that a keyboard is used for typing letters and numbers.</li> </ul>	<p><b><u>Music Technology</u></b></p> <ul style="list-style-type: none"> <li>- Know that sounds can be recorded.</li> <li>- Know that sounds can be arranged to create tracks.</li> <li>- Know how to make a rhythmic pattern using a music app.</li> </ul>	