



## COMPUTING

Year Group	End Points
1	<p>A successful computer technician in Year 1 can:</p> <p><b>Using the internet</b></p> <ul style="list-style-type: none"> <li>Use technology safely and respectfully, keeping personal information private</li> </ul> <p><b>Computer Science</b></p> <ul style="list-style-type: none"> <li>Create and debug simple algorithms</li> <li>Use logical reasoning to predict the behaviour of simple programs</li> <li>Recognise common uses of information technology beyond school</li> </ul> <p><b>Digital content</b></p> <p><b>Word processing</b></p> <ul style="list-style-type: none"> <li>Open and save a document</li> <li>Manipulate text e.g. size, colour, font, underline, bold, italic</li> </ul> <p><b>Digital Media</b></p> <ul style="list-style-type: none"> <li>Select and use a digital device to record an image</li> <li>Use technology purposefully to create digital content</li> </ul>
2	<p>A successful computer technician in Year 2 can:</p> <p><b>Using the internet</b></p> <ul style="list-style-type: none"> <li>Use technology safely and respectfully, keeping personal information private</li> <li>Identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies</li> </ul> <p><b>Computer Science</b></p> <ul style="list-style-type: none"> <li>Understand what algorithms are, how they are implemented as programs on digital devices, and that programs execute by following precise and unambiguous instructions</li> <li>Create and debug simple programs</li> <li>Use technology purposefully to create, organise, store, manipulate and retrieve digital content</li> <li>Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies</li> </ul> <p><b>Digital content</b></p> <p><b>PowerPoint</b></p> <ul style="list-style-type: none"> <li>Open the software</li> <li>Create a title page using word art/ text manipulation</li> <li>Create a simple presentation consisting of at least 3 slides</li> <li>Insert a text box</li> <li>Insert photographs/ pictures</li> </ul> <p><b>Digital Media</b></p> <ul style="list-style-type: none"> <li>Use technology purposefully to create, organise, store, manipulate and retrieve digital content</li> <li>Select, use and combine a variety of digital devices and images</li> </ul>
3	<p>A successful computer technician in Year 3 can:</p>

### Using the internet

- Use technology safely
- Create and send an email safely

### Computer Science

- Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs
- Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content

### Digital content

#### Word processing

- Add and manipulate pictures/ text wrap
- Perform a spell check
- Word Processing etiquette – e.g. spaces after punctuation marks, line spacing
- Use alignment buttons to centre, left and right position text
- Use of word art

#### Spreadsheets

- Navigate around a spreadsheet
- Explain what rows and columns are
- Enter data into cells
- Create a table of data
- Use tools to automatically total rows and columns
- Use a spreadsheet program to automatically create charts and graphs from data

### Digital Media

- Select, use and combine a variety of digital images and videos

4

A successful computer technician in Year 4 can:

### Using the internet

- Use technology safely, respectfully and responsibly
- Safely store information and use online programs such as Office 365/ Google Suite/ cloud

### Computer Science

- Design, write and debug programs that accomplish specific goals
- 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

### Digital content

#### PowerPoint

- Insert sound files/ voice overs
- Change background colours
- Apply slide transitions
- Animate text boxes/ images to appear on screen
- Create timings for presentation

#### Spreadsheets/ databases

- Use the number formatting tools to format numbers
- Add a formula to a cell to automatically make a calculation in that cell
- Use the timer, random number and spin button tools
- Use a series of data from a spreadsheet to create a line graph
- Use the currency formatting tools
- Allocate values to images and use these to explore place value

### Digital Media

- Select, use and combine a variety of digital images or videos on different devices

5	<p>A successful computer technician in Year 5 can:</p> <p><b>Using the internet</b></p> <ul style="list-style-type: none"> <li>• Use technology safely, respectfully and responsibly</li> <li>• Recognise acceptable/unacceptable behaviour</li> <li>• Use search engines safely</li> </ul> <p><b>Computer Science</b></p> <ul style="list-style-type: none"> <li>• Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems</li> <li>• Use sequence, selection, and repetition in programs</li> </ul> <p><b>Digital content</b></p> <p><b>Word processing</b></p> <ul style="list-style-type: none"> <li>• Insert tables and charts</li> <li>• Use bullet points to order</li> <li>• Insert web links</li> <li>• Perform a word count</li> <li>• Use find and replace</li> </ul> <p><b>Spreadsheets</b></p> <ul style="list-style-type: none"> <li>• Create a table of data</li> <li>• Use the auto sum function</li> <li>• Use simple formulas within a cell</li> <li>• Create bar charts and pie charts</li> </ul> <p><b>Digital Media</b></p> <ul style="list-style-type: none"> <li>• Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content</li> </ul>
6	<p>A successful computer technician in Year 6 can:</p> <p><b>Using the internet</b></p> <ul style="list-style-type: none"> <li>• Use technology safely, respectfully and responsibly</li> <li>• Recognise acceptable/unacceptable behaviour</li> <li>• Identify a range of ways to report concerns about content and contact</li> <li>• Use online blogging sites safely and respectfully</li> </ul> <p><b>Computer Science</b></p> <ul style="list-style-type: none"> <li>• Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems</li> <li>• Solve problems by decomposing them into smaller parts</li> <li>• Use sequence, selection, and repetition in programs; work with variables and various forms of input and output</li> </ul> <p><b>Digital content</b></p> <p><b>PowerPoint</b></p> <ul style="list-style-type: none"> <li>• Insert video clips</li> <li>• Create a presentation using hyperlinks to navigate from a contents page</li> <li>• Create animation pathways for pictures/ objects</li> <li>• Add music to the presentation</li> </ul> <p><b>Spreadsheets</b></p> <ul style="list-style-type: none"> <li>• Use conditional formatting function</li> <li>• Create line graphs from tables of data</li> <li>• Calculate averages</li> <li>• Use increasingly complex formulae</li> </ul> <p><b>Digital Media</b></p>

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|  | <ul style="list-style-type: none"><li>• Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</li></ul> |
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