



Curriculum Progression Map

Computing

Basic Skills – Using the Mouse

Y1	Y2	Y3	Y4	Y5	Y6
<p>Select tools to make marks</p> <p>Click on and move pictures</p> <p>Use paint brushes and erasers</p> <p>Select objects/words and drag/drop</p>	<p>Use a pen/brush to create lines and textures</p> <p>With support, change width of paintbrush, spray and lines to create effects</p> <p>Fill shapes with solid colours</p> <p>With support, move and alter the size of images and text</p>	<p>Insert and delete words</p> <p>Highlight text to change its format e.g. B U /</p> <p>Change font style, format and size by highlighting and clicking icons</p> <p>Insert a picture into a document and resize</p> <p>Use icons to choose positions for left, right and centre</p> <p>Use automatic spellcheck to check and correct spellings</p> <p>Right click to copy and paste images</p> <p>Use tools to draw a variety of objects</p> <p>Change the width of paintbrushes, shapes and lines to create effects</p> <p>Re-size graphics and text independently, to suit the document</p>	<p>Right click to copy and paste repeating patterns</p> <p>Right click to copy and paste from a variety of sources e.g. Google, for a specific purpose</p> <p>Select the correct tool to resize or change the width of an object for effect</p> <p>Left click and highlight to change the font</p> <p>Click left, right and centre tools to align work correctly</p> <p>Click on and choose bullet points or numbered points</p> <p>Click to change pages between landscape and portrait</p> <p>Select 'save as' and independently save work in a given file</p> <p>Click the A and A tools to resize text</p> <p>Right click to use the spell checker independently</p>	<p>Select the correct tab to change between landscape and portrait</p> <p>Create a suitable page layout appropriate for the task and reader</p> <p>Use tools to format texts in all ways e.g. font/colour/size/bold etc.</p> <p>Choose the correct tool to wrap text with some support</p> <p>Use the increase/decrease indent buttons appropriately</p> <p>Right click and use the spell checking tool independently</p> <p>Use the word count tool</p> <p>Insert numbered or bullet points appropriately</p> <p>Selecting 'save as' and 'save' appropriately</p> <p>Select to save a document as a PDF and understand when this is appropriate</p> <p>Use drop-down menus to format work</p>	<p>Select and use the snipping tool to snip images or text</p> <p>Right click to copy and paste</p> <p>Click to highlight text and images to copy/paste/resize/edit</p> <p>Use tools to format texts in all ways e.g. font/colour/size/bold etc.</p> <p>Select tool and use text wrap with increasing independence</p> <p>Format text as appropriate, including page headings and page numbers</p> <p>Select tools for positioning text and images to left, right, centre</p> <p>Right click and use the spell checking tool independently</p> <p>Use line and paragraph spacing tools to set work out appropriately</p> <p>Insert and edit a table</p> <p>Create and reposition a text box</p> <p>Click and use the 'find' and 'replace' buttons</p>

					Insert bullet points and numbered points Select save as and choose an appropriate file name
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Basic Skills – Using the keyboard

Y1	Y2	Y3	Y4	Y5	Y6
<p>Use the space bar With support, save a document With support, press print Type sentences that are dictated (from a piece of work) Use backspace to delete letters</p>	<p>Use backspace to correct mistakes Use space bar to create a space Write full sentences with a capital letter and full stop – copied from work With support, type a short piece of work Use the return/enter key to go down a line Highlight text and change font/style e.g. <u>B U /</u> Save work by using 'save as' With support, open a piece of work from a folder</p>	<p>Insert and delete words Use the shift key to type character, such as exclamation and question marks Use the shift key and caps lock to create capital letters Type up short pieces of writing independently Use Ctrl + S to save work Type suitable names for pieces of work</p>	<p>Use Ctrl C and Ctrl V to copy and paste an image or text Use Ctrl and [] to resize text Use Ctrl and S to save work Use delete, backspace and return keys independently Use Ctrl and [] to resize text Type up full pieces of work from books with support</p>	<p>Use the control key to insert a variety of symbols e.g. £%(Use Ctrl and [] to resize text Use Ctrl and S to save work whilst working on a document Use the F5 key to present a PowerPoint in full screen mode Use Ctrl C and Ctrl V to copy and paste an image or text Use Ctrl and Z to undo previous move Use the shift key routinely to create capital letters to aid fluent typing Type up longer pieces of work</p>	<p>Use the control key to insert a variety of symbols e.g. £%(Use Ctrl and [] to resize text Use Ctrl and <u>B U /</u> to edit highlighted text efficiently Use Ctrl and S to frequently save work whilst working on a document Use Ctrl and A to select all of the text on a page Use Ctrl and R L or E to position text to right, left or centre Use Ctrl and Z to correct a mistake Use Ctrl Alt delete to correct a programme error e.g. where it is frozen or unresponsive Use the tab key to create a paragraph indent Type up longer pieces of work efficiently and</p>

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Online Research

Y1	Y2	Y3	Y4	Y5	Y6
<p>Know what to do if you see something you do not like online</p> <p>Know that information to help us learn can be found on the internet</p> <p>Navigate age-appropriate websites with support</p>	<p>Know what to do if we find something inappropriate when researching</p> <p>Know that information to help us learn can be found on the internet</p> <p>Become more independent in navigating age-appropriate websites</p> <p>Use the internet to safely answer specific questions</p> <p>Know that not everything on the internet is true</p> <p>Know how to deal with unexpected pop-ups or pictures when researching</p>	<p>Know how to search for specific information in a safe way</p> <p>Know how to use child-friendly search engines both inside and outside of school</p> <p>Begin to distinguish between fact and opinion when on the internet</p>	<p>Be able to distinguish between fact and opinion</p> <p>Begin to identify fact and fiction on websites</p> <p>Use child friendly websites to search for specific information and pictures.</p>	<p>Identify safe and reliable websites</p> <p>Begin to evaluate the content of websites</p> <p>Begin to understand how search engines order websites</p>	<p>Evaluate and analyse the safety and reliability of a website</p> <p>Know how to identify reliable sources of information on the internet</p> <p>Explain how a search engine ranks results</p>

Communication and Collaboration

Y1	Y2	Y3	Y4	Y5	Y6
<p>Know that there are a variety of online tools to communicate with others</p>	<p>Know that there are a variety of online tools to communicate with others and name some of these</p> <p>Know there are risks</p>	<p>Understand that the internet can be used to communicate</p> <p>Understand that there are dangers posed by online communication</p>	<p>Name and understand different types of communication available on the internet</p> <p>Understand some of</p>	<p>Name and understand different types of communication available on the internet</p> <p>Begin to say when</p>	<p>Identify who trustworthy people are to communicate with online</p> <p>Identify when communication on</p>

	involved with communicating on the internet	Understand how to communicate safely during online games	the dangers posed by communicating online Understand the dangers of communicating with strangers when playing online games	different types of communication may be appropriate Explain the possible dangers of communicating with strangers online, including with online gaming Understand that privacy settings are available to keep personal information private when communicating	social media is safe Recognise the dangers of communicating with strangers online, including on social media and online gaming Recognise the dangers of making 'friends' with strangers online
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Internet Safety

Y1	Y2	Y3	Y4	Y5	Y6
<p>Use a password and keep it secret</p> <p>Understand the importance of being kind, polite and respectful online</p> <p>Know to keep personal information private on the internet</p> <p>Identify trustworthy people who can help</p>	<p>Understand the importance of being kind, polite and respectful online</p> <p>Know what to do if others are not kind when online</p> <p>Begin to understand what personal information is and why it is unique to us</p> <p>Know not to share personal information on the internet</p> <p>Identify characteristics of people who are trustworthy and can help with internet safety problems</p>	<p>Understand what is meant by personal information and how to keep this safe when on the internet</p> <p>Know what to do or who to ask for help if someone is not kind and polite online</p> <p>Know what is meant by a trustworthy person (both on and off line) and identify people who can be trusted</p> <p>Develop an understanding of rules to stay safe when on the internet</p>	<p>Know what is meant by the term cyber bullying</p> <p>Know the importance of being polite and respectful online</p> <p>Know that anyone who is not being kind and respectful can be blocked and know who to turn to as a trusted person for help</p> <p>Understand what is meant by personal information</p> <p>State some rules to follow to keep safe whilst on the internet</p>	<p>Know what is meant by private information and suggest ways of keeping this private</p> <p>Know that pictures shared online may still be available after deleting and may be viewed, copied and shared by others</p> <p>Explain the term cyber bullying</p> <p>Suggest ways for communicating respectfully and responsibly online</p> <p>Know how to respond when others are not respectful and responsible online</p> <p>Know that others can</p>	<p>Explain what is meant by cyber bullying and suggest ways of combating this</p> <p>Understand what is meant by private information</p> <p>Explore how to set privacy settings on a variety of popular social media</p> <p>Understand what is meant by inappropriate communication</p> <p>Understand the dangers of sharing personal information, photos and videos on the internet and know what could happen to these</p>

				<p>be blocked online</p> <p>Know to always tell a trusted adult with concerns about online communication</p> <p>Understand that not everyone is trustworthy or who they say they are and may try to mislead young people</p>	<p>Know that games have age ratings and understand the importance of these</p> <p>Understand that not everyone is trustworthy or who they say they are and may try to mislead young people e.g. through grooming or radicalisation</p>
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Programming and Algorithms

Y1	Y2	Y3	Y4	Y5	Y6
<p>Understand what is meant by an instruction</p> <p>Create and give a series of instructions</p> <p>Plan a journey for a programmable toy</p>	<p>Know that an algorithm is an instruction</p> <p>Write a simple program and test it e.g. for a programmable toy</p> <p>Predict the outcome of a simple program</p> <p>Understand the programs need precise instructions</p>	<p>Understand that an algorithm is an instruction for coding</p> <p>Design a sequence of code to control direction</p> <p>Write code for a repeating program</p> <p>Create hyperlinks within a program/document e.g. a PowerPoint</p>	<p>Explain what is meant by the term algorithm</p> <p>Write a series of algorithms to achieve a set goal</p> <p>Experiment with variables when creating a program</p> <p>Identify an error within a program and correct it with support</p>	<p>Explain what is meant by the term algorithm</p> <p>Combine algorithms for a set sequence of instructions/procedures</p> <p>Design algorithms that use repetition</p> <p>Use code to control a system</p> <p>Identify coding errors and begin to decompose these into smaller pieces, which are manageable to correct</p>	<p>Explain what an algorithm is</p> <p>Explain how an algorithm works</p> <p>Program and control a range of variables to achieve a specific goal</p> <p>Use logical reasoning to identify an error within code</p> <p>Overcome coding errors with increasing independence</p> <p>Design a solution to overcome a coding error</p> <p>Recognise that there may be more than one solution to overcome a coding error</p>

Information Technology

Y1	Y2	Y3	Y4	Y5	Y6
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<p>Use a camera Record and play back a sound</p>	<p>Use a program with support e.g. Word Use age-appropriate programs with increasing independence e.g. Paint</p>	<p>Manipulate and improve a digital image Use a range of software e.g. Paint, Word, PowerPoint Collect and present information, using given software</p>	<p>Use specific software, e.g. Word, PowerPoint to achieve a specific goal Collect data and present it, using suitable software Add images and sounds to documents</p>	<p>Make and edit a short film Select and use specific information Choose software which is appropriate for a task e.g. PowerPoint, Excel, Word Manipulate and improve text and images in an appropriate way</p>	<p>Select software which is appropriate for the task Combine software as required to complete a task e.g. PowerPoint and Excel Select technology for a specific purpose Use a range of technology with increased fluency</p>
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