



St James the Great COMPUTING Progression Map



	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Word Processing Skills	<ul style="list-style-type: none"> - Write My Name - Use the Enter Key to move to a new line - Use the Full Stop key - Use the Space Bar to create a finger space - Use the Backspace key to delete a letter - Use the Undo Button - Use the Shift key to create a Capital Letter - Use the Caps Lock Key 	<ul style="list-style-type: none"> - Open a new page - Open a Saved Document - Use the Save button and name my work correctly (work saved in their folder – does not need their name in the title). - Place the Cursor with Mouse and Arrow Keys - Copy and Paste from the Internet - Double Click on a word to select it - Use the Number Keys 	<ul style="list-style-type: none"> - Change the Font Size, style and colour - Use Bold/Italic and Underline - Use the Highlight Tool - Use Bullet Points and Numbering - Align Right/Centre/Left and Justify - Use Spell Check - Put text into Columns - Insert Headings and Sub-headings - Page Views, Zoom and Print Preview - Use the Undo and Redo edit options 	<ul style="list-style-type: none"> - Use Page Set Up – landscape or portrait - Use Cut/Copy and Paste icons - Insert Table - Insert Symbols - Insert Word Art and Format and Resize - Insert a Text Box and Format and Resize - Insert a Shape and Format and Resize - Insert Clip Art or a picture and Format and Resize - Create a Border 	<ul style="list-style-type: none"> - Use Ctrl shortcuts and Function keys - Use Word Count - Use Find and Replace - School Name in Footer - Name and Date in Header 	<ul style="list-style-type: none"> - Use Title options - Use thesaurus /synonyms - Use protect document - Use watermark
Presentation skills Including Multimedia, PowerPoints and Data Handling	<p>Use a range of applications and devices in order to communicate ideas, work and message</p> <p>Use painting programmes with different brush sizes and a palette of colours.</p> <p>Create simple presentations (image and text).</p>	<p>Using Photostory:</p> <ul style="list-style-type: none"> - Add images - Create a voiceover - Add subtitles - Begin to add transitions <p>Watch slideshow and discuss</p> <p>Create artwork using dots, lines and repeated patterns.</p> <p>Collect, organise and present simple data and information in digital content.</p>	<p>Using PowerPoint :</p> <ul style="list-style-type: none"> - Create new slide - Add new slide - Insert pictures and text boxes - Watch presentation using ‘Slide show’ feature <p>Use branching databases to classify objects.</p>	<p>Using PowerPoint :</p> <ul style="list-style-type: none"> - Create new slide - Add new slide - Insert pictures and text boxes - Watch presentation using ‘Slide show’ feature - Include a background design - Add effects such as transitions <p>Use computers to collect numerical data and present this to an audience.</p> <p>Create graphs (bar charts, line graphs).</p>	<p>Using PowerPoint :</p> <ul style="list-style-type: none"> - Insert pictures and text boxes - Include a background design - Add effects such as transitions - Use advanced features of PowerPoint confidently - Add hyperlinks to images (links to a webpage or video) - Create charts/graphs to present data - Include brief bullet points on slides and be able to expand ideas when presenting. 	<p>Review previous skills and focus on:</p> <ul style="list-style-type: none"> - Use advanced features of PowerPoint confidently - Add hyperlinks to images - Create charts/graphs to present data - Include brief bullet points on slides and be able to expand ideas when presenting - Be able to present confidently from a PowerPoint presentation - Use an alternative platform to present information. (Focusky) <p>Excel skills:</p>



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					<ul style="list-style-type: none"> - Be able to present confidently from a PowerPoint presentation Create a variety of graphs from one set of data for a purpose. Use a range of media to create an effective presentation in software of their own choice. 	<ul style="list-style-type: none"> - Use Excel to plan - Use Excel spreadsheet to enter data and use autosum - Use formula for addition, subtraction and multiplication - Use data to create a graph - Independently set up a spreadsheet from scratch
Coding	<p>Create a simple programme to give instructions to Beebots.</p> <ul style="list-style-type: none"> - Understand what algorithms are (know that technology follows instructions to deliver a desired outcome) - Control motion by specifying the number of steps to travel, direction and turn - Follow instructions to reach a destination on a map 	<p>Create a programme for a Beebot to perform a sequence of moves (being able to debug and review sequence).</p> <ul style="list-style-type: none"> - Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions - Create and debug simple programs (know that debugging means finding a mistake to an algorithm and correcting it) - Control motion by specifying the number of steps to travel, direction and turn - Specify user inputs (such as clicks) to control events - Specify the nature of events (such as a single event or a loop) 	<ul style="list-style-type: none"> - Design and write programs that accomplish specific goals, including controlling or simulating physical systems - Use specified screen coordinates to control movement - Set the appearance of objects and create sequences of changes. - Specify conditions to trigger events 	<ul style="list-style-type: none"> - Debug programs - Solve problems by decomposing them into smaller parts - Use specified screen coordinates to control movement - Set the appearance of objects and create sequences of changes. - Specify conditions to trigger events - Use IF THEN conditions to control events or objects - Use variables to store a value - Use the functions define, set, change, show and hide to control the variables 	<ul style="list-style-type: none"> - Use sequence, selection, and repetition in programs; work with variables and various forms of input and output - Change the position of objects between screen layers (send to back, bring to front). - Upload sounds from a file and edit them. Add effects such as fade in and out and control their implementation. - Set events to control other events by 'broadcasting' information as a trigger. - Use IF THEN ELSE conditions to control events or objects. 	<ul style="list-style-type: none"> - Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs - Change the position of objects between screen layers (send to back, bring to front). - Upload sounds from a file and edit them. Add effects such as fade in and out and control their implementation. - Set events to control other events by 'broadcasting' information as a trigger. - Use IF THEN ELSE conditions to control events or objects. - Use lists to create a set of variables - Use the Boolean operators to define conditions



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<p>Animation</p>	<p>Create animations using flat or 3D props, which include movement - iMovie</p>	<p>Create flat animations which include sound and actions/movement – iMovie</p>	<p>Create 2D animations which include sound and movement</p> <ul style="list-style-type: none"> - Begin to introduce sound effects. - Recognise the importance of slow movement within the animation to ensure it is effective. 	<p>Create 3D animations which include sound and movement</p> <ul style="list-style-type: none"> - Include sound effects and use voice overs. - Alter the volume of sound effects so that the speaking is clear. 	<p>Create 3D animations which include sound, movement and editing to ensure that sound effects are used in appropriate places within the animation.</p> <ul style="list-style-type: none"> - Write scripts - Create props - Film and edit animations using appropriate animation app. 	
<p>Film/ Video/ Blogging</p>	<ul style="list-style-type: none"> - Open camera app - Select video recording feature - Know when to press play - Hold steady when recording - Be able to watch video back and discuss 	<p>Use a range of applications and devices in order to communicate ideas, work and messages.</p> <ul style="list-style-type: none"> - Open camera app - Select recording feature and press play - Hold steady when recording. - Watch video back and discuss/give feedback and re-record if necessary <p>Use technology purposefully to create, organise, store and retrieve digital content in the context of adding images and text to an online blog.</p>				<p>Develop more advanced videoing skills:</p> <ul style="list-style-type: none"> - Create storyboard - Include special effects and filters - Include shots from different angles - Add sound - Crop and edit scenes
<p>General</p> <p>PSHE includes details of online safety coverage.</p>	<p>Recognise common uses of information technology in the home.</p>	<p>Recognise common uses of information technology on the way to school, in shops and in the wider world.</p> <p>Use technology safely and respectfully, keeping personal information</p>	<p>Understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for</p>	<p>Use search technologies effectively, appreciate how results are selected.</p>	<p>Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.</p>	<p>Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.</p>



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		private; identify where to go for help if it is needed.	communication and collaboration.			
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