

**Year 1**

**Computing Systems and Networks: Technology around us**      **Creating Media: Digital Painting**      **Programming A: Moving a Robot**

Declarative Knowledge	Procedural Knowledge	vocab	Declarative Knowledge	Procedural Knowledge	vocab	Declarative Knowledge	Procedural Knowledge	vocab
<ul style="list-style-type: none"> <li>I know that technology is something that can help us.</li> <li>I know that there are different examples of technology and how they help us.</li> <li>I know that a computer is an example of technology.</li> <li>I know that choices are made when using technology.</li> <li>I know that rules are needed when using technology.</li> </ul>	<ul style="list-style-type: none"> <li>I know how to choose a piece of technology to do a job.</li> <li>I know how technology can be used in different ways.</li> <li>I know how to identify the main parts of a computer.</li> <li>I know how to use a mouse in different ways.</li> <li>I know how to use a keyboard to type and edit text.</li> <li>I know how to use technology safely.</li> </ul>	Click Double-click Drag Shift Space bar Safely Responsibly	<ul style="list-style-type: none"> <li>I know that freehand tools do different things.</li> <li>I know that computers can be used to create art.</li> <li>I know that each tool needs to be used at the appropriate time.</li> <li>I know that a tool can be adjusted to suit my need.</li> <li>I know that choices made can have an impact.</li> <li>I know that painting with a computer is different from using a brush.</li> </ul>	<ul style="list-style-type: none"> <li>I know how to create a picture using freehand tools.</li> <li>I know how to use shape and line tools for precision.</li> <li>I know how to use a range of paint colours.</li> <li>I know how to use the fill tool to colour an enclosed area.</li> <li>I know how to use the undo button to correct a mistake.</li> <li>I know how to combine a range of tools to create a piece of artwork.</li> </ul>	Tool Erase Fill Undo Shape/line/ fill/undo tools Feelings Brushstroke Brushstroke Prefer Dislike	<ul style="list-style-type: none"> <li>I know that recalled words can be enacted.</li> <li>I know that commands can be explained.</li> <li>I know that commands can be matched to an outcome.</li> <li>I know that a program is a set of commands that a computer can run.</li> <li>I know that a series of instructions can be issued before they are enacted.</li> </ul>	<ul style="list-style-type: none"> <li>I know how to enact a given word.</li> <li>I know how to predict an outcome of a command on a device.</li> <li>I know how to run a command on a floor robot.</li> </ul>	Turn Clear Go commands Plan Algorithm Route

**Data and Information: Grouping Data**      **Creating Media: Digital Writing**      **Programming B : Programming Animations**

Declarative Knowledge	Procedural Knowledge	vocab	Declarative Knowledge	Procedural Knowledge	vocab	Declarative Knowledge	Procedural Knowledge	vocab
<ul style="list-style-type: none"> <li>I know that objects can be counted.</li> <li>I know that information can be presented (and in different ways).</li> </ul>	<ul style="list-style-type: none"> <li>I know how to identify some attributes of an object.</li> <li>I know how to collect simple data.</li> <li>I know how to count collected data.</li> <li>I know how to describe the properties of an object.</li> <li>I know how to choose an attribute to group objects by.</li> <li>I know how to group objects to answer questions.</li> <li>I know how to explain that objects can be grouped by similarities.</li> <li>I know how to describe a group of objects based on commonality.</li> </ul>	Object label group search Image Property Data set	<ul style="list-style-type: none"> <li>I know that a keyboard is used to enter text into a computer.</li> <li>I know that the shift key changes the output of a key.</li> <li>I know that text can be changed and edited.</li> <li>I know the appearance of text can be changed and edited.</li> <li>I know that choices made can have an impact.</li> </ul>	<ul style="list-style-type: none"> <li>I know how to use letter, number and space keys to enter text into a computer.</li> <li>I know how to punctuate and use special characters.</li> <li>I know how to select text.</li> <li>I know how to use the backspace key to remove text.</li> <li>I know how to position the text cursor in a chosen location.</li> <li>I know how to choose options to achieve a desired effect.</li> <li>I know how to change the appearance of text on a computer.</li> <li>I know how to use undo.</li> </ul>	Word processor Keyboard Keys Letters Microsoft Word Google Docs Undo Backspace Toolbar Bold Italic Underline	<ul style="list-style-type: none"> <li>I know that given words can be enacted.</li> <li>I know that recalled words can be enacted.</li> <li>I know that an outcome of a command can be predicted.</li> <li>I know that a list of commands can be used on a given device.</li> <li>I know that I can explain what a given command does.</li> <li>I know that a command can be matched to an outcome.</li> <li>I know that a command can be run.</li> <li>I know that a command can be chosen for a given purpose.</li> <li>I know that a programme is a set of commands that can run on a computer.</li> <li>I know that commands can be sequenced and combined.</li> </ul>	<ul style="list-style-type: none"> <li>I know how to choose a series of words that can be enacted as a programme.</li> <li>I know how to choose a series of commands that can be run as a programme.</li> <li>I know how to run a programme on a device.</li> </ul>	Command Sprite Compare Programming Block Start Run Background Algorithm Design Value Change