

### Year 1

Computer Science:	<ul style="list-style-type: none"> <li>• give instructions to my friend and follow their instructions.</li> <li>• press the buttons in the correct order to make my robot do what I want.</li> <li>• use the word algorithm.</li> <li>• begin to predict what will happen for a short sequence of instructions.</li> <li>• use the word debug</li> </ul>
Information Technology:	<ul style="list-style-type: none"> <li>• be creative with different technology tools.</li> <li>• create and present my ideas.</li> <li>• use the keyboard to enter text.</li> <li>• save information in a special place and retrieve it again.</li> <li>• use technology to collect information, including photos, video and sound.</li> <li>• add information to a pictograph</li> </ul>
Digital Literacy:	<ul style="list-style-type: none"> <li>• recognise the ways we use technology in our classroom, home and community.</li> <li>• use links to websites to find information</li> </ul>

### Year 2

Computer Science:	<ul style="list-style-type: none"> <li>• give instructions to my friend (using forward, backward and turn) and physically follow their instructions to move in a shape</li> <li>• tell you the order I need to do things to make something happen and talk about this as an algorithm.</li> <li>• program a robot or software to do a particular task.</li> <li>• watch a program execute and spot where it goes wrong so that I can debug it.</li> </ul>
Information Technology:	<ul style="list-style-type: none"> <li>• use technology to organise and present my ideas in different ways.</li> <li>• the keyboard on my device to add, delete and space text for others to read.</li> <li>• save and open files on the device I use.</li> <li>• collect information, including a camera, microscope or sound recorder.</li> <li>• make and save a chart or graph</li> <li>• understand a branching database.</li> </ul>
Digital Literacy:	<ul style="list-style-type: none"> <li>• tell you why I use technology in the classroom, home and community.</li> <li>• talk about the differences between the Internet and things in the physical world.</li> </ul>

### Year 3

Computer Science:	<ul style="list-style-type: none"> <li>• plan and sequence instructions to achieve a specific outcome.</li> <li>• keep testing my program and can recognise when I need to debug it.</li> <li>• use repeat commands.</li> </ul>
Information Technology:	<ul style="list-style-type: none"> <li>• create different effects with different technology</li> <li>• combine a mixture of text, graphics and sound</li> <li>• use a spellchecker.</li> <li>• use an appropriate tool to share my work online.</li> <li>• search a ready-made database to answer questions.</li> <li>• add to a database.</li> <li>• make a branching database.</li> <li>• use a data logger</li> </ul>
Digital Literacy:	<ul style="list-style-type: none"> <li>• save and retrieve work on the Internet, the school network or my own device.</li> <li>• talk about the parts of a computer.</li> <li>• use search tools to find and use an appropriate website.</li> <li>• can we use images that I find online in my own work.</li> </ul>

### Year 4

Computer Science:	<ul style="list-style-type: none"> <li>• use a procedure to simplify a program.</li> <li>• sensor to detect a change</li> <li>• keep testing my program to recognise an error in a program and debug it.</li> <li>• recognise that using algorithms will also help solve problems in other learning such as Maths, Science and Design and Technology.</li> </ul>
Information Technology:	<ul style="list-style-type: none"> <li>• use photos, video and sound to create an atmosphere when presenting to different audiences.</li> <li>• change the appearance of text to increase its effectiveness.</li> </ul>

	<ul style="list-style-type: none"> <li>• create, modify and present documents for a particular purpose.</li> <li>• plan, create and search a database to answer questions.</li> <li>• choose the best way to present data to my friends.</li> <li>• use a data logger to record and share my readings</li> </ul>
Digital Literacy:	<ul style="list-style-type: none"> <li>• tell you whether a resource I am using is on the Internet, the school network or my own device.</li> <li>• identify key words to use when searching safely on the World Wide Web.</li> <li>• about the reliability of information I read on the Web.</li> <li>• create a hyperlink to a resource on the World Wide Web.</li> </ul>
<b>Year 5</b>	
Computer Science:	<ul style="list-style-type: none"> <li>• refine a procedure using repeat commands.</li> <li>• use a variable to increase programming possibilities.</li> <li>• change an input to a program to achieve a different output.</li> <li>• use 'if' and 'then' commands</li> <li>• use logical reasoning to detect and debug mistakes in a program.</li> <li>• use logical thinking, imagination and creativity to extend a program.</li> </ul>
Information Technology:	<ul style="list-style-type: none"> <li>• use text, photo, sound and video editing tools</li> <li>• select an appropriate online or offline tool to create and share ideas.</li> <li>• use a spreadsheet and database to collect and record data.</li> <li>• present data</li> <li>• search a database</li> </ul>
Digital Literacy:	<ul style="list-style-type: none"> <li>• identify the different parts of computing devices.</li> <li>• choose appropriate tools for communication and collaboration and use them responsibly.</li> <li>• talk about the different elements on webpages.</li> </ul>
<b>Year 6</b>	
Computer Science:	<ul style="list-style-type: none"> <li>• deconstruct a problem into smaller steps, recognising similarities to solutions used before.</li> <li>• evaluate the effectiveness and efficiency of my algorithm while I continually test the programming of that algorithm.</li> <li>• use a variable and operators to stop a program.</li> </ul>
Information Technology:	<ul style="list-style-type: none"> <li>• combine a range of media, recognising the contribution of each to achieve a particular outcome.</li> <li>• tell you why I select a particular online tool for a specific purpose.</li> <li>• plan the process needed to investigate the world around me.</li> <li>• select the most effective tool to collect data</li> <li>• check, interpret and present the data</li> </ul>
Digital Literacy:	<ul style="list-style-type: none"> <li>• describe different services provided by the Internet and how information moves around the Internet.</li> <li>• describe different parts of a computing device and how it connects to the Internet.</li> <li>• use search engines as part of an effective research strategy.</li> <li>• describe how search results are selected and ranked.</li> <li>• acknowledge who resources belong to that have been found on the internet.</li> </ul>