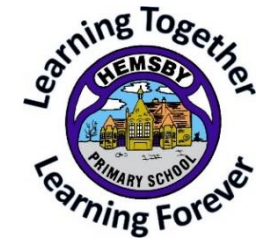


## Computing – Curricular targets



A Year 1 Computer User...	A Year 2 Computer User ...	A Year 3 Computer User ...
<ul style="list-style-type: none"> <li>• <b><u>Algorithms and programming</u></b></li> <li>• I can create a series of instructions.</li> <li>• I can plan a journey for a programmable toy.</li> <li>• <b><u>Information technology</u></b></li> <li>• I can create digital content.</li> <li>• I can store digital content.</li> <li>• I can retrieve digital content.</li> <li>• I can use a web site.</li> <li>• I can use a camera.</li> <li>• I can record sound and play back.</li> <li>• <b><u>Digital literacy</u></b></li> <li>• I can use technology safely.</li> <li>• I can keep personal information private</li> </ul>	<ul style="list-style-type: none"> <li>• <b><u>Algorithms and programming</u></b></li> <li>• I can use a range of instructions (e.g. direction, angles, turns).</li> <li>• I can test and amend a set of instructions.</li> <li>• I can find errors and amend. (debug)</li> <li>• I can write a simple program and test it.</li> <li>• I can predict what the outcome of a simple program will be (logical reasoning).</li> <li>• I understand that algorithms are used on digital devices.</li> <li>• I understand that programs require precise instructions.</li> <li>• <b><u>Information technology</u></b></li> <li>• I can organise digital content.</li> <li>• I can retrieve and manipulate digital content.</li> <li>• I can navigate the web to complete simple searches.</li> <li>• <b><u>Digital literacy</u></b></li> <li>• I use technology respectfully.</li> <li>• I know where to go for help if I am concerned.</li> <li>• I know how technology is used in school and outside of school.</li> </ul>	<ul style="list-style-type: none"> <li>• <b><u>Algorithms and programming</u></b></li> <li>• I can design a sequence of instructions, including directional instructions.</li> <li>• I can write programs that accomplish specific goals.</li> <li>• I can work with various forms of input.</li> <li>• I can work with various forms of output.</li> <li>• <b><u>Information technology</u></b></li> <li>• I can use a range of software for similar purposes.</li> <li>• I can collect information.</li> <li>• I can design and create content.</li> <li>• I can present information.</li> <li>• I can search for information on the web in different ways.</li> <li>• I can manipulate and improve digital images.</li> <li>• <b><u>Digital literacy</u></b></li> <li>• I use technology respectfully and responsibly.</li> <li>• I know different ways I can get help if I am concerned.</li> <li>• I understand what computer networks do and how they provide multiple services.</li> <li>• I can discern where it is best to use technology and where it adds little or no value.</li> </ul>



A Year 4 Computer User...	A Year 5 Computer User...	A Year 6 Computer User...
<ul style="list-style-type: none"> <li>• <b><u>Algorithms and programming</u></b></li> <li>• I can experiment with variables to control models.</li> <li>• I can give an on-screen robot specific instructions that takes them from A to B.</li> <li>• I can make an accurate prediction and explain why I believe something will happen (linked to programming).</li> <li>• I can de-bug a program.</li> <li>• <b><u>Information technology</u></b></li> <li>• I can select and use software to accomplish given goals.</li> <li>• I can collect and present data.</li> <li>• I can produce and upload a pod cast.</li> <li>• <b><u>Digital literacy</u></b></li> <li>• I recognise acceptable and unacceptable behaviour using technology.</li> </ul>	<ul style="list-style-type: none"> <li>• <b><u>Algorithms and programming</u></b></li> <li>• I can combine sequences of instructions and procedures to turn devices on and off.</li> <li>• I can use technology to control an external device.</li> <li>• I can design algorithms that use repetition &amp; 2-way selection.</li> <li>• <b><u>Information technology</u></b></li> <li>• I can analyse information.</li> <li>• I can evaluate information.</li> <li>• I understand how search results are selected and ranked.</li> <li>• I can edit a film.</li> <li>• <b><u>Digital literacy</u></b></li> <li>• I understand that you have to make choices when using technology and that not everything is true and/or safe.</li> </ul>	<ul style="list-style-type: none"> <li>• <b><u>Algorithms and programming</u></b></li> <li>• I can design a solution by breaking a problem up.</li> <li>• I recognise that different solutions can exist for the same problem.</li> <li>• I can use logical reasoning to detect errors in algorithms.</li> <li>• I can use selection in programs.</li> <li>• I can work with variables.</li> <li>• I can explain how an algorithm works.</li> <li>• I can explore 'what if' questions by planning different scenarios for controlled devices.</li> <li>• <b><u>Information technology</u></b></li> <li>• I can select, use and combine software on a range of digital devices.</li> <li>• I can use a range of technology for a specific project.</li> <li>• <b><u>Digital literacy</u></b></li> <li>• I can discuss the risks of online use of technology.</li> <li>• I can identify how to minimise risks.</li> </ul>