

	Key Stage One	Lower Key Stage Two	Upper Key Stage Two
Computer Science	<ul style="list-style-type: none"> <li>• he/she can understand what algorithms are and how they are implemented as programs on digital devices</li> <li>• he/she can understand that programmes execute by following precise and unambiguous instructions</li> <li>• he/she can create simple programs</li> <li>• he/she can debug simple programs</li> <li>• he/she can use logical reasoning to predict the behaviour of simple programs</li> </ul>	<ul style="list-style-type: none"> <li>• he/she can design and debug programs that accomplish specific goals</li> <li>• he/she can design and create programs that use sequence</li> <li>• he/she can control physical systems</li> <li>• he/she can use logical reasoning to detect and correct errors in programs</li> </ul>	<ul style="list-style-type: none"> <li>• he/she can work with variables</li> <li>• he/she can solve problems in writing programs by decomposing them into smaller parts</li> <li>• he/she can use selection and repetition in programs</li> <li>• he/she can simulate physical systems</li> <li>• he/she can use logical reasoning to explain how some simple algorithms work and detect and correct errors in them.</li> </ul>
Information Technology	<ul style="list-style-type: none"> <li>• he/she can use technology purposefully to create, organise and store digital content</li> <li>• he/she can use technology purposefully to retrieve and manipulate digital content</li> </ul>	<ul style="list-style-type: none"> <li>• he/she can choose from a variety of software and internet services to accomplish given goals</li> <li>• he/she can collect and combine information and data</li> <li>• he/she can design and create content to accomplish a given goal</li> </ul>	<ul style="list-style-type: none"> <li>• he/she can combine a variety of software to accomplish given goals on a range of digital devices</li> <li>• he/she can analyse and evaluate information and data</li> <li>• he/she can design and create systems that accomplish given goals</li> </ul>
Digital Literacy	<ul style="list-style-type: none"> <li>• he/she can use technology safely and respectfully</li> <li>• he/she keeps personal information private when using technology</li> <li>• he/she knows they should ask for help if they feel unsure about any online content or contact and who to ask</li> <li>• he/she can describe common uses of information technology beyond school</li> </ul>	<ul style="list-style-type: none"> <li>• he/she can use technology responsibly</li> <li>• he/she can recognize acceptable / unacceptable behaviour and content</li> <li>• he/she can appreciate how search results are selected</li> <li>• he/she is selective when using digital content</li> <li>• he/she understands how computer networks can provide multiple services, such as the world wide web</li> <li>• he/she understand the opportunities computer networks offer for communication</li> </ul>	<ul style="list-style-type: none"> <li>• he/she can understand the importance of using technology safely, respectfully and responsibly</li> <li>• he/she can identify a range of ways to report concerns about content and contact</li> <li>• he/she can appreciate how search results are ranked</li> <li>• he/she is discerning in evaluating digital content</li> <li>• he/she understands the basic workings of computer networks including the internet</li> <li>• he/she understands the opportunities computer networks offer for collaboration</li> </ul>

Year group	Non -negotiable units
1	1.1 1.2 1.3 or 1.4
2	2.1 2.2 2.5
3	3.1 3.2 3.4
4	4.2 4.3 4.6
5	5.1 5.2 5.3