

Computing at Key Stage 1 and 2 – Progression

Computer Science, Information Technology and Digital Literacy

<p>Understand what algorithms are</p> <p>Create simple programs</p> <p>Use technology purposefully to create digital content</p> <p>Use technology purposefully to store digital content</p> <p>Use technology purposefully to retrieve digital content</p> <p>Use technology safely</p> <p>Keep personal information private</p> <p>Recognise common uses of information technology beyond school</p>	<p>Understand that algorithms are implemented as programs on digital devices</p> <p>Understand that programs execute by following precise and unambiguous instructions</p> <p>Debug simple programs</p> <p>Use logical reasoning to predict the behaviour of simple programs</p> <p>Use technology purposefully to organise digital content</p> <p>Use technology purposefully to manipulate digital content</p> <p>Use technology respectfully</p> <p>Identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies</p>	<p>Write programs that accomplish specific goals</p> <p>Use sequence in programs</p> <p>Work with various forms of input</p> <p>Work with various forms of output</p> <p>Use search technologies effectively</p> <p>Use a variety of software to accomplish given goals</p> <p>Collect information</p> <p>Design and create content</p> <p>Present information</p> <p>Use technology responsibly</p> <p>Identify a range of ways to report concerns about contact</p>	<p>Design programs that accomplish specific goals</p> <p>Design and create programs</p> <p>Debug programs that accomplish specific goals</p> <p>Use repetition in programs</p> <p>Control or simulate physical systems</p> <p>Use logical reasoning to detect and correct errors in programs</p> <p>Understand how computer networks can provide multiple services, such as the World Wide Web</p> <p>Appreciate how search results are selected</p> <p>Select a variety of software to accomplish given goals</p> <p>Select, use and combine internet services</p> <p>Analyse information</p> <p>Evaluate information</p> <p>Collect data</p> <p>Present data</p> <p>Understand the opportunities computer networks offer for communication</p> <p>Identify a range of ways to report concerns about content</p> <p>Recognise acceptable/unacceptable behaviour</p>	<p>Solve problems by decomposing them into smaller parts</p> <p>Use selection in programs</p> <p>Work with variables</p> <p>Use logical reasoning to explain how some simple algorithms work</p> <p>Use logical reasoning to detect and correct errors in algorithms</p> <p>Understand computer networks, including the internet</p> <p>Appreciate how search results are ranked</p> <p>Combine a variety of software to accomplish given goals</p> <p>Select, use and combine software on a range of digital devices</p> <p>Analyse data</p> <p>Evaluate data</p> <p>Design and create systems</p> <p>Understand the opportunities computer networks offer for collaboration</p> <p>Be discerning in evaluating digital content</p>
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