



# ICT / Computing

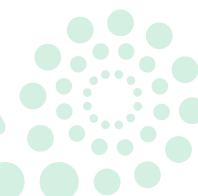
KEY STAGE ONE	KEY STAGE TWO
<p><b>C1</b> Recognise and understand that algorithms are implemented as programs on digital devices, executing by following precise and unambiguous instructions</p> <p><b>C2</b> Create and debug simple programs</p> <p><b>C3</b> Use logical reasoning to predict the behaviour of simple programs</p>	<p><b>C4</b> Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems</p> <p><b>C5</b> Solve problems by decomposing them into smaller parts</p> <p><b>C6</b> Use sequence, selection, and repetition in programs</p> <p><b>C7</b> Work with variables and various forms of input and output</p> <p><b>C8</b> Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</p> <p><b>C9</b> Understand computer networks including the internet, recognising how they can provide multiple services, such as the world-wide web</p>





# ICT / Computing

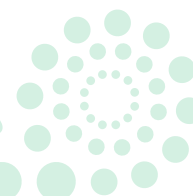
YEAR ONE / TWO	
INVESTIGATION	<p><b>Ict1</b> Explore digital resources by using hyperlinks and simple menus</p> <p><b>Ict2</b> Use the internet and other digital sources to find out about significant issues, events and people and explore real and imaginary locations</p>
OBSERVATION	<p><b>Ict3</b> Collect, sort, record and represent information to inform investigations and designs</p> <p><b>Ict4</b> Draw conclusions from data collected</p> <p><b>Ict5</b> Identify common uses of information technology beyond school</p>
APPLICATION	<p><b>Ict6</b> Give instructions to make things happen using programmable devices</p> <p><b>Ict7</b> Use technology purposefully to create, capture, organise, store, manipulate, retrieve and present digital content</p> <p><b>Ict8</b> Try alternatives using a range of tools and techniques to alter text, images and sounds</p> <p><b>Ict9</b> Combine written text with graphics, tables, sound and images and present work appropriately</p> <p><b>Ict10</b> Use ICT to communicate with unknown audiences</p> <p><b>Ict11</b> Use strategies to stay safe when using ICT and the internet</p> <p><b>Ict12</b> Plan, discuss and review work developed using ICT in order to improve it</p> <p><b>Ict13</b> Use technology safely and respectfully, keeping personal information private</p> <p><b>Ict14</b> Identify when and where to go for help and support when they have concerns about material on the internet</p>





# ICT / Computing

YEAR THREE / FOUR	
<b>INVESTIGATION</b>	<p><b>Ict15</b> Use ICT to explore a range of number patterns and models including changing values and asking "what if?" questions</p> <p><b>Ict16</b> Use ICT to explore alternative ideas in order to refine and improve outcomes and performances</p> <p><b>Ict17</b> Explore alternative approaches to develop and refine work</p> <p><b>Ict18</b> Save and use stored information to follow lines of enquiry</p>
<b>OBSERVATION</b>	<p><b>Ict19</b> Identify how ICT can be used to collect and structure information, including the use of surveys, so that it can be searched and analysed</p> <p><b>Ict20</b> Identify the opportunities computer networks offer for communication and collaboration</p> <p><b>Ict21</b> Verify the accuracy and reliability of the information found, distinguishing between fact and opinion</p>
<b>APPLICATION</b>	<p><b>Ict22</b> Use key words to search for and select appropriate information from the internet and other digital sources</p> <p><b>Ict23</b> Capture, record and analyse data using sensors in order to support observations and investigations</p> <p><b>Ict24</b> Refine sequences of instructions to control events or make things happen using ICT</p> <p><b>Ict25</b> Use a variety of ICT tools to create, refine and present work in a variety of ways</p> <p><b>Ict26</b> Use ICT to exchange ideas and collaborate with others remotely</p> <p><b>Ict27</b> Use ICT safely and appreciate the need to keep electronic data secure</p> <p><b>Ict28</b> Use features of layout, presentation and organisation in print and on screen</p> <p><b>Ict29</b> Use editing skills for visual effects</p>





# ICT / Computing

YEAR FIVE / SIX	
<b>INVESTIGATION</b>	<p><b>Ict30</b> Use ICT to explore and develop simple models by changing variables and simple formulae</p> <p><b>Ict31</b> Use ICT to create and refine sequences of instructions to explore problems and make controllable systems</p>
<b>OBSERVATION</b>	<p><b>Ict32</b> Answer questions by using ICT to identify, collect, store, analyse and present information</p> <p><b>Ict33</b> Verify the accuracy and reliability of the information found online, detect bias and distinguish evidence from opinion</p> <p><b>Ict34</b> Analyse, describe and discuss the effectiveness of their work with ICT</p> <p><b>Ict35</b> Identify a range of ways to report concerns and inappropriate behaviour</p>
<b>APPLICATION</b>	<p><b>Ict36</b> Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content</p> <p><b>Ict37</b> Represent data from analysis in appropriate ways, including the use of graphs</p> <p><b>Ict38</b> Use a variety of ICT tools to create, develop and refine presentations and performances, integrating effects to enhance outcomes</p> <p><b>Ict39</b> Select, use and combine a variety of software (including internet services) on a range of digital devices to accomplish given goals, including collecting, analysing, evaluating and presenting data and information</p> <p><b>Ict40</b> Organise and adjust communication according to the needs of the audience and the technology, including taking account of the quality and content of the communication</p> <p><b>Ict41</b> Use a variety of ICT tools to create, refine and present work in a variety of digital and printed formats using appropriate forms and conventions</p> <p><b>Ict42</b> Use ICT safely, respectfully and responsibly, managing risk and showing awareness of other users</p>

