



Computing

Year 5 - I can assessment statements

<u>Knowledge</u>	<u>Skills</u>
<ul style="list-style-type: none"> • can understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation. • can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems • can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems <p>I can create a new webpage and layout and evaluate webpages.</p> <p>I can add and format text and images into a webpage.</p> <p>I can add hyperlinks to a webpage.</p> <p>I can publish and share my webpage.</p> <p>I can change the page layout for a purpose.</p> <p>I can create hyperlinks within a word document.</p>	<p>Computer Science</p> <ul style="list-style-type: none"> • Solve problems by decomposing them into smaller parts • Use selection in programs • Work with variables • Use logical reasoning to explain how some simple algorithms work • Use logical reasoning to detect and correct errors in algorithms • Understand computer networks including the internet
<ul style="list-style-type: none"> • Combine a variety of software to accomplish given goals • Select use and combine software on a range of digital devices • Analyse data • Evaluate data • Design and create systems <p>I can draw a flowchart using the correct symbols and connect these symbols in a sequence,</p> <p>I can insert new symbols to modify a flowchart.</p> <p>I can use and combine software to draw and design rooms and other features.</p> <p>I can use and combine software to present information.</p> <p>I can create subroutine separate to a main flowchart program.</p> <p>I can design and detect errors in a flowchart and correct these.</p>	<ul style="list-style-type: none"> • Appreciate how search results are ranked <p>I can design and program a character game.</p> <p>I can select and change a character.</p> <p>I can program commands and change the backdrop.</p> <p>I can plan sequences of instructions (algorithms)</p> <p>I can program costume changes for a sprite.</p> <p>I can identify new features to add to a game.</p>

• Understand the opportunities computer networks offer for collaboration

• Be discerning in evaluating digital content

I can identify spam email and know what to do with this.

I can cite a source from a website and know why this is important.

I can create a strong password using a set of rules and can explain the importance of this.

I can alter a digital photograph and know that not everything I see online is true.

I can explain how to stay safe online and think of examples for this.