



Willingham Primary School Computing Intent Statement



We aim to prepare our children for living in a digital world. We aim to provide our pupils with skills in Computer Science, Information Technology and Digital Literacy, alongside a strong foundation in e-safety knowledge, so they can keep themselves and others safe now and in the future.

Substantive and disciplinary knowledge			Procedural knowledge		
<p>Computer Science Pupils will know:</p> <p>That computer programs are written in a specific language and are used to control or simulate physical systems, solve problems, or entertain.</p> <p>A basic programming language and the key associated vocabulary</p> <p>That computer networks provide multiple services and opportunities for communication and collaboration</p>	<p>Information Technology Pupils will know:</p> <p>That searches on the internet can return results that are not credible, useful, or safe</p> <p>The difference between software and hardware</p> <p>That different software applications are useful for a range of purposes</p> <p>That different hardware/devices are suitable for different tasks and circumstances</p>	<p>Digital Literacy Pupils will know:</p> <p>Both the risks and benefits of using technology</p> <p>How to keep their personal data safe and ensure their privacy online</p> <p>How to use hardware appropriately</p> <p>That content, conduct, contact and commerce all pose a potential risk to their wellbeing and the wellbeing of others.</p> <p>How to report and respond to e-safety issues</p>	<p>Computer Science Pupils will be able to:</p> <p>Design, write and debug programs that accomplish specific goals</p> <p>Use sequence, selection, and repetition in programs; work with variables and various forms of input and output</p> <p>Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</p>	<p>Information Technology Pupils will be able to:</p> <p>Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content</p> <p>Select appropriate software for the task at hand</p> <p>Create and design content, across different types of software for a range of audiences</p>	<p>Digital Literacy Pupils will be able to:</p> <p>Use a range of technology safely, respectfully and responsibly</p> <p>Recognise acceptable/unacceptable behaviour both in themselves and in others</p> <p>Utilise reporting tools to share concerns with appropriate agencies/adults</p> <p>Identify a range of ways to report concerns about content and contact</p>