



## All Saints C of E Primary School – Vertical Progression – Understanding the World – Technology - Computing overview



Focus	Algorithms	Creating programs	Using technology	Use of IT beyond school	Safe use
Nursery	<ul style="list-style-type: none"> <li>Shows skill in making toys work by pressing parts or lifting flaps to achieve effects such as sound, movements or new images</li> </ul>	<ul style="list-style-type: none"> <li>Shows an interest in technological toys with knobs or pulleys, real objects such as cameras, and touchscreen devices such as mobile phones and tablets</li> </ul>	<ul style="list-style-type: none"> <li>Knows that information can be retrieved from digital devices and the internet</li> </ul>	<ul style="list-style-type: none"> <li>Knows how to operate simple equipment, e.g. turn on CD player, uses a remote control, can navigate touch-capable technology with support</li> </ul>	<ul style="list-style-type: none"> <li>Know how to handle equipment safely</li> <li>Begin to know that they shouldn't use devices without supervision</li> </ul>
Reception	<ul style="list-style-type: none"> <li>Develops digital literacy skills by being able to access, understand and interact with a range of technologies</li> </ul>	<ul style="list-style-type: none"> <li>Completes a simple program on electronic devices</li> </ul>	<ul style="list-style-type: none"> <li>Can create content such as a video recording, stories, and/or draw a picture on screen</li> </ul>	<ul style="list-style-type: none"> <li>Begin to list different IT in their home</li> </ul>	<ul style="list-style-type: none"> <li>Begin to give reasons why we need to stay safe online</li> <li>Can use the internet with adult supervision to find and retrieve information of interest to them</li> </ul>
Year 1	<ul style="list-style-type: none"> <li>Begin to clarify understanding about what algorithms are</li> </ul>	<ul style="list-style-type: none"> <li>Begin to create their own way to use programmes to solve problems</li> </ul>	<ul style="list-style-type: none"> <li>Begin to describe when technology can be used to solve problems</li> </ul>	<ul style="list-style-type: none"> <li>Begin to recognise &amp; describe about how new information technology could enhance their lives</li> </ul>	<ul style="list-style-type: none"> <li>Begin to evaluate ways of staying safe, including online.</li> </ul>
Year 2	<p>understand what algorithms are; how they are implemented as programs on digital devices</p> <p>Give precise instructions</p>	<p>Be able to create and debug programs independently.</p>	<p>To use technology independently in a variety of ways to solve problems.</p>	<p>Begin to recognise &amp; describe about how new information technology could enhance their lives.</p> <p>Describe different uses of ICT at home and at school.</p>	<p>Inform others of safe ways to use the internet.</p>

