



# Stapleford Abbotts Primary Academy - Computer Science Curriculum Progression Document

## EYFS and KS1

The new EYFS framework 2021 no longer includes technology as part of the early learning goals, however we have taken the most relevant statements from the following areas:

- Personal, Social and Emotional Development • Physical Development • Understanding the World • Expressive Arts and Design

<b>EYFS</b>	<b>Pre School</b>	<b>Reception</b>
	<ul style="list-style-type: none"> <li>- Increasingly follow rules, understanding why they are important.</li> <li>- Match their developing physical skills to tasks and activities in the setting.</li> <li>- Explore how things work.</li> </ul>	<ul style="list-style-type: none"> <li>- Show resilience and perseverance in the face of a challenge.</li> <li>- Develop their small motor skills so that they can use a range of tools competently, safely and confidently.</li> <li>- Know and talk about the different factors that support their overall health and wellbeing: -sensible amounts of 'screen time'.</li> <li>- Explore, use and refine a variety of artistic effects to express their ideas and feelings.</li> </ul>
<b>Early Learning Goals</b>		
<ul style="list-style-type: none"> <li>- Be confident to try new activities and show independence, resilience and perseverance in the face of challenge.</li> <li>- Explain the reasons for rules, know right from wrong and try to behave accordingly.</li> <li>- Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function.</li> </ul>		
	<b>Year 1</b>	<b>Year 2</b>
<p><u>National Curriculum</u></p> <p>The national curriculum for computing aims to ensure that all pupils: 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, are responsible, competent, confident and creative users of information and communication technology.</p>		



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<b>Computer Science</b>	<ul style="list-style-type: none"> <li>- Pupils understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions.</li> <li>- Pupils create and debug simple programs</li> <li>- Pupils use logical reasoning to predict the behaviour of simple programs.</li> </ul>	<ul style="list-style-type: none"> <li>- Pupils understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions</li> <li>- Pupils create and debug simple programs</li> <li>- Pupils use logical reasoning to predict the behaviour of simple programs.</li> </ul>
<b>Information Technology</b>	<b>Year 1</b>	<b>Year 2</b>
	<ul style="list-style-type: none"> <li>- Pupils use technology purposefully to create, organise, store, manipulate and retrieve digital content</li> </ul>	<ul style="list-style-type: none"> <li>- Pupils use technology purposefully to create, organise, store, manipulate and retrieve digital content</li> </ul>
<b>Digital Literacy</b>	<b>Year 1</b>	<b>Year 2</b>
	<ul style="list-style-type: none"> <li>- Pupils recognise common uses of information technology beyond school</li> <li>- Pupils use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.</li> </ul>	<ul style="list-style-type: none"> <li>- Pupils recognise common uses of information technology beyond school</li> <li>- Pupils use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies</li> </ul>
<b>E-Safety</b>	<b>Year 1</b>	<b>Year 2</b>
	<ul style="list-style-type: none"> <li>- Pupils use technology safely and respectfully, keeping personal information private.</li> <li>- Pupils identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.</li> </ul>	<ul style="list-style-type: none"> <li>- Pupils use technology safely and respectfully, keeping personal information private.</li> <li>- Pupils identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.</li> </ul>