

# Computing Progression

## Knowledge and Understanding

Phase	Digital Literacy and Online Safety	Information Technology	Computer Science
<b>EYFS</b>	<ul style="list-style-type: none"> <li>Understand what a sensible amount of 'screen time' is</li> <li>Use technology safely and respectfully</li> </ul>	<ul style="list-style-type: none"> <li>Develop fine motor skills to use a range of equipment competently, safely and confidently</li> </ul>	<ul style="list-style-type: none"> <li>Know how to operate simple equipment</li> <li>Complete a simple program on an electronic device</li> </ul>
<b>KS1</b>	<ul style="list-style-type: none"> <li>Recognise common uses of information technology beyond school</li> <li>Use technology safely and respectfully when using a search engine</li> <li>Understand how to keep personal information private</li> <li>Identify where to go for help and support when they have concerns about content or contact on the internet</li> </ul>	<ul style="list-style-type: none"> <li>Use technology purposefully to create, organise, save and retrieve digital content</li> <li>Understand how to safely share digital content</li> </ul>	<ul style="list-style-type: none"> <li>Understand what algorithms are and how they are implemented on digital devices</li> <li>Understand that programs are carried out by following specific, precise and sequential instructions</li> <li>Understand how to write a simple and clear instruction to achieve an intended outcome</li> <li>Create and debug simple programs</li> <li>Use logical thinking to predict the behaviour and outcomes of simple programs</li> </ul>
<b>LKS2</b>	<ul style="list-style-type: none"> <li>Understand the opportunities networks offer for communication and collaboration</li> <li>Recognise the potential risks of participating in an online community</li> <li>Develop awareness when selecting and evaluating digital content</li> <li>Use technology safely and be aware of responsibility to report concerns</li> <li>Identifying strategies to stay safe online</li> </ul>	<ul style="list-style-type: none"> <li>Use search technologies to find specific information</li> <li>Design and create a range of programs and content for different purposes</li> </ul>	<ul style="list-style-type: none"> <li>Design and write programs that achieve specific goals</li> <li>Use sequence, selection and repetition in programs</li> <li>Use logical reasoning to explain how simple algorithms work</li> <li>Understand computer networks and how they offer multiple services</li> </ul>
<b>UKS2</b>	<ul style="list-style-type: none"> <li>Understand the importance of digital balance</li> <li>Understand the risks within online communities and knowing how to make responsible choices</li> <li>Be discerning in evaluating digital content and identify misinformation</li> <li>Use technology safely and know how and when to report concerns</li> <li>Evaluate the risks and benefits of participating in online communities</li> </ul>	<ul style="list-style-type: none"> <li>Use search technologies discerningly to find appropriate and relevant information</li> <li>Collect, evaluate and present data and information</li> </ul>	<ul style="list-style-type: none"> <li>Control physical systems</li> <li>Evaluate sequencing and repetition in programs</li> <li>Work with variables and various forms on input and output</li> <li>Use logical reasoning to detect and correct errors in algorithms and programs</li> <li>Evaluate search engines and how results are selected and ranked</li> </ul>