

## SKILLS PROGRESSION IT

SKILLS THEME	Reception & Year 1 skills &/or concepts	Year 2 & Lower Key Stage 2 skills &/or concepts	Upper Key Stage 2 skills &/or concepts
COMPUTER SCIENCE	<ul style="list-style-type: none"> <li>Children will be able to:</li> </ul> <p>Begin to understand what algorithms are.</p> <p>begin to use algorithms and apply them on digital devices.</p> <p>begin to understand that programs execute by following sets of instructions.</p> <p>begin to understand how to create and debug simple programs.</p> <p>begin to use logical reasoning to predict the behaviour of simple programs .</p>	<ul style="list-style-type: none"> <li>Children will be able to:</li> </ul> <p>design, write and debug programs that accomplish specific goals.</p> <p>solve problems by decomposing them into smaller parts</p> <p>use sequence, selection and repetition in programs</p> <p>use logical reasoning to explain how some simple algorithms work</p> <p>detect and correct errors in algorithms and programs</p>	<ul style="list-style-type: none"> <li>Children will be able to:</li> </ul> <p>understand computer networks including the internet.</p> <p>know how they provide multiple services, such as the World Wide Web.</p> <p>solve problems by decomposing them into smaller parts.</p> <p>use sequence, selection and repetition in programs.</p> <p>work with variables and various forms of input and output.</p> <p>design, write and debug programs that accomplish specific goals.</p> <p>use logical reasoning to explain how some simple algorithms work.</p> <p>detect and correct errors in algorithms and programs.</p>

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INFORMATION TECHNOLOGY	<ul style="list-style-type: none"> <li>Children will be able to:</li> </ul> <p>use technology to create, organise, store, manipulate and retrieve digital content.</p>	<ul style="list-style-type: none"> <li>Children will be able to</li> </ul> <p>use search technologies effectively</p> <p>select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</p>	<ul style="list-style-type: none"> <li>Children will be able to:</li> </ul> <p>use search technologies effectively and be discerning in evaluating digital content.</p> <p>select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</p>
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DIGITAL LITERACY	<ul style="list-style-type: none"> <li>Children will be able to:</li> </ul> <p>recognise common uses of IT beyond school</p> <p>use technology safely and respectfully.</p> <p>understand the importance of keeping information private.</p> <p>understand who to tell or where to get help when I see something they don't like on the internet or through other technologies.</p>	<ul style="list-style-type: none"> <li>Children will be able to:</li> </ul> <p>understand the opportunities [networks] offer for communication and collaboration</p> <p>be discerning in evaluating digital content</p> <p>use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact</p>	<ul style="list-style-type: none"> <li>Children will be able to:</li> </ul> <p>understand the world wide web and the opportunities it offers for communication and collaboration.</p> <p>be discerning in evaluating digital content.</p> <p>use technology safely, responsibly and securely.</p>