

## Trafalgar Junior School: Computing curriculum overview

Subject	Intent	Implementation	Impact
<p><b>Computing</b></p> <p><i>Skills:</i></p> <ul style="list-style-type: none"> <li>• digital literacy, including on-line safety</li> <li>• information technology</li> <li>• computer science</li> </ul>	<p>The curriculum will ensure children will be able to:</p> <ul style="list-style-type: none"> <li>• be responsible, competent, confident, resilient and creative <b>users</b> of information and communication</li> <li>• use the <b>internet safely</b> and <b>responsibly</b></li> <li>• evaluate and apply <b>information technology</b>, eg. word processing, presentation and spreadsheet software, to <b>solve problems</b></li> <li>• understand and apply principles and concepts of <b>programming</b></li> <li>• analyse problems and <b>write</b> computer <b>programs</b> in order to <b>solve problems</b></li> </ul>	<p><b>Supported by:</b> J2e, London Grid for Learning (LGfL), National Association for Advisors for Computers in Education (NAACE)</p> <p>The computing <b>overview</b> outlines what is covered in each year group and how the subject is sequenced. Knowledge and skills build to ensure there is progression through our curriculum.</p> <p><b>Lessons include:</b></p> <ul style="list-style-type: none"> <li>• the purposeful use of technology to create, organise and <b>develop digital content</b></li> <li>• the use of computer <b>programming</b> to analyse and solve problems</li> <li>• exposure to a range of digital hardware, software and internet content in order to develop responsible, competent, confident, resilient and creative users of information and communication technology</li> <li>• understanding and <b>strategies</b> of how to stay <b>safe online</b></li> <li>• access to a specialist classroom of computers and a range of <b>digital devices</b>, such as iPads, data loggers and digital cameras</li> <li>• <b>secure access</b> to the internet through <b>J2e</b> and <b>London Grid for Learning</b> (LGfL), both of which offer a range of software applications designed for primary children, and are also the foundation of our <b>home learning</b> offer</li> <li>• differentiation and adaptation for all abilities</li> </ul> <p><b>Timing:</b></p> <ul style="list-style-type: none"> <li>• taught weekly</li> </ul>	<p><b>Assessment includes:</b></p> <ul style="list-style-type: none"> <li>• pupil self-assessment</li> <li>• on-going assessment during lessons with teachers adapting planning as required</li> <li>• assessment criteria within the planning support teachers in assessing where the children are with their learning</li> </ul>