

Trafalgar Infant School: Computing Curriculum Overview

Subject	Intent	Implementation	Impact
<p>Computing</p> <p>Skills</p> <ul style="list-style-type: none"> • Computer Science • Logical reasoning • Online Safety • Creativity • Digital Literacy • Information technology • Resilience 	<p>The curriculum will ensure children will be able to:</p> <ul style="list-style-type: none"> • Use the internet and online tools and resources safely • Be responsible, competent, confident and creative users of information and communication technology. • Understand, create, and fix (debug) simple computer programs using logical reasoning • Use different tools, resources and software to create, organise, store, manipulate and retrieve digital content • Keep themselves and others safe whilst using a variety of technology 	<p>We follow the national curriculum in computing, supported by specialists, such as LGfL and J2e. The computing overview 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>Lessons include:</p> <ul style="list-style-type: none"> • the purposeful use of technology to create, organise and develop digital content • the use of computer programming to analyse and solve problems • 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 • understanding and strategies of how to stay safe online • access to a specialist classroom of computers and a range of digital devices, such as iPads, data loggers and digital cameras • secure access to the internet through J2e and London Grid for Learning (LGfL), both of which offer a range of software applications designed for primary children, and are also the foundation of our home learning offer • adaption to suit all abilities <p>Our Y2 pupils have the opportunity to become Digital Leaders. The role of a Digital Leader includes leading assemblies, supporting the Computing lead, supporting their peers, supporting and helping younger children in the school.</p> <p>We have won several IT awards for our innovative use of technology across the curriculum and our use of our online learning platform and or digital leaders.</p> <p>We have been awarded the SWGFL 360 online safety mark.</p> <p>Timing:</p> <p>Computing is taught weekly across each ½ term</p> <p>Supported by:</p> <p>LGfL, SWGFL, J2E, NAACE, CAS, Barefoot Computing</p>	<p>Assessment includes:</p> <ul style="list-style-type: none"> • pupil self-assessment • on-going assessment during lessons with teachers adapting planning as required, eg. Q&As, regular recaps of prior learning; quizzes; end of unit quizzes • assessment criteria within the planning support teachers in assessing where the children are with their learning <p>Monitoring:</p> <ul style="list-style-type: none"> • on-going check-ins between subject leads and teachers • regular monitoring by SLT and subject leads on a timetabled cycle.

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