Trafalgar Junior School: Computing Curriculum Overview

Subject	Intent	Implementation	Impact
Computing *Skills:* • digital literacy, including on-line safety • information technology • computer science	The curriculum will ensure children will be able to: • be responsible, competent, confident, resilient and creative **users** of information and communication • use the **internet safely** and **responsibly** • evaluate and apply **information technology**, eg. word processing, presentation and spreadsheet software, to **solve problems** • understand and apply principles and concepts of **programming** • analyse problems and **write** computer **programs** in order to **solve problems**	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. **Lessons include:** • 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 **Timing:** • taught weekly **Supported by:** J2e, London Grid for Learning (LGfL), National Association for Advisors for Computers in Education (NAACE)	**Assessment includes:** • 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 tests • assessment criteria within the planning support teachers in assessing where the children are with their learning **Monitoring:** • on-going check-ins between subject leads and teachers • regular monitoring by SLT and subject leads on a timetabled cycle