

Computing Curriculum Intent

Intent

At Oulton, we aim to ensure that all children embrace and feel confident in applying new technology in a safe and responsible way both in school and at home. We want our pupils to make links between Maths, Science and Design and Technology to enable them to use and develop these skills as they move through school and become responsible digital citizens.

"A high-quality computing education equips pupils to use computational thinking and creativity to understand and change the world...core of computing is computer science, in which pupils are taught the principles of information and computation, how digital systems work, and how to put this knowledge to use through programming. Building on this knowledge and understanding, pupils are equipped to use information technology to create programs, systems and a range of content."
National Curriculum.

Technology is always evolving, and we aim to develop their ideas through this as they become active participants in a digital world.

Implementation

In EYFS, computing and technology will be used to support learning across the entire EYFS curriculum. Pupils will use and select technology for a particular purpose and recognise these at home and school. With children having the opportunity to use a range of technologies available in the classroom.

In Key stage 1 and 2, lessons will be taught discreetly following the National Curriculum. All children will partake in a 1-hour lesson each week using a range of technology including laptops and other digital devices. The children will have the opportunity to build on previous skills to further develop their digital competency, through understanding algorithms, following instructions, creating, and debugging programs, with E-safety at the forefront of the Computing Curriculum.

These lessons will also be supported through 'Teach Computing'. The Teach Computing scheme of work enables clear coverage of the computing curriculum whilst providing support and activities to deliver high quality computing lessons.

The coverage of the scheme of work has been mapped into a Cycle A and B to meet the demands of our mixed aged classes. During the 2-year cycle, pupils will cover all age-related aspects of the scheme of work and the National Curriculum. Coverage has been mapped to align, where appropriate, to the delivery of skills/topics taught in different subjects.

Impact

Children will build on previous knowledge and skills each year and be able to leave schools as confident, creative, and safe learners of computing. Children will be embedding new skills and improving their vocabulary through a range of units of work across the year. By the end of Key Stage 2, our children at Oulton will be confident and creative digital learners, that will allow them to become competent and safe in the digital world that we now live in.