

## 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 teaching links to pupils' everyday use and experiences of technology. They are taught how to use and select technology for a particular purpose and recognise these at home and school. Children are supported to use a range of technologies available in the classroom to enhance their child-initiated play and to learn how technology interacts with their everyday lives.

In Key stage 1 and 2, when classes are mixed, children will be taught in their own specific year group. These 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. 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. E-Safety is taught primarily through the 'Purple Mash' scheme of work and is taught to all children in the Autumn term in every class across school in Key Stage 1 and 2.

Across the school, Computing and PSHE support each other in teaching the children how to be safe on the internet on; social media and gaming sites. This includes identifying ways bullying can happen online, noticing what is and is not acceptable online and giving children ways to seek support if they suffer any cyber bullying.

Computing lessons are delivered using the 'Purple Mash' scheme of work. The Purple Mash scheme of work enables clear coverage of the computing curriculum whilst providing support, slideshow presentations and activities to deliver high quality computing lessons.

### Impact

## Oulton Primary School

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.