



# Intent, Implementation and Impact for Computing

## **Intent**

At Woodthorpe Primary School we believe that computing is an essential part of the curriculum. Our intention is to provide a high-quality computing education which equips children to use computational thinking and creativity to understand and change the world. The curriculum will teach children key knowledge about how computers and computer systems work, and how they are designed and programmed. Learners will have the opportunity to gain an understanding of computational systems of all kinds, whether or not they include computers. By the time they leave Woodthorpe Primary School, children will have gained key knowledge and skills in the three main areas of the computing curriculum: computer science (programming and understanding how digital systems work), information technology (using computer systems to store, retrieve, and send information), and digital literacy (evaluating digital content and using technology safely and respectfully). Alongside these opportunities a strong and progressive Online Safety thread runs through all aspects of the computing curriculum.

## **Implementation**

At Woodthorpe, our computing curriculum is integrated into our learning Journeys, where possible. The objectives within each strand of the Sheffield Computing Scheme support the development of learning across the key stages, ensuring a solid grounding for future learning and beyond. This ensures children are able to develop depth in their knowledge and skills over the duration of each of their computing sessions, make connections and applying the steps they have been taught. Our curriculum ensures a balanced coverage of computer science, information technology and digital literacy. The children will have experiences of all three strands in each year group, but the subject knowledge taught becomes increasingly specific and in depth, with more complex skills being taught ensuring that learning is built upon. Our computing curriculum equips children with a range of skills that will support them in many other areas of the curriculum and prepare them to work in the modern world where a knowledge of ICT and computing is vital.

## **Impact**

At Woodthorpe our approach to the computing curriculum results in an engaging and high-quality computing education. Much of the subject-specific knowledge developed in our computing lessons equip pupils with experiences which will be of a lifelong benefit. We believe that we are doing more than teaching a subject: we are equipping our children for the future. The Computing Curriculum develops our children as confident, well-informed, and responsible digital citizens.