



Woodfield Primary School

Computing Rationale

Intent	<p>At Woodfield Primary, we want children to know more, remember more and understand more. Our computing curriculum prepares pupils to live safely in an increasingly digital British society where pupils can use, evaluate and apply information technology, including new or unfamiliar technologies.</p> <p>The National Curriculum defines three clear aspects of computing curriculum: Computer Science (CS), Information Technology (IT) and Digital Literacy (DL). At Woodfield, children will be given the opportunity to develop their knowledge and understanding in each area from Foundation Stage to Year 6. Within the computing curriculum, we have identified a range of concepts which will be progressively delivered throughout the curriculum.</p>
Implementation	<p>At Woodfield Primary School, we follow a broad and balanced Computing Curriculum, which is rooted in the National Curriculum. Our Computing Curriculum is deliberately designed so that knowledge, concepts, and skills build progressively upon previous learning as well as providing both support and challenge for learners. We use the scheme Kapow Computing, from Yrs 1 - 6 as a guide for lessons and build and adapt the content to the needs of our pupils. For each unit of work, teachers plan a sequence of lessons which are taught weekly. At the start of each unit and subsequent lessons, children are given opportunities to recall previously taught concepts as well as key knowledge. They further develop their ability to remember more through the technique of recall, record and refine as well as using knowledge organisers alongside tiered vocabulary, to support children in embedding their knowledge into their long-term memory. Pupils experience using a range of devices to develop their computing skills throughout their learning journey, with every opportunity taken to expose them to ever changing advancements in technology. High quality teaching, alongside a range of scaffolding techniques enables all pupils to achieve, in addition to providing opportunities for pupils to deepen their knowledge and understanding.</p> <p>Strong subject knowledge is vital for staff to be able to deliver a highly effective and robust computing curriculum. Teachers are able to access CPD through Kapow linked to each unit of work to be taught. Furthermore, as a Trust, subject leaders share knowledge and support each other in providing training across all schools, allowing the sharing of best practices with all staff.</p>
Impact	<p>Progression in Computing is assessed throughout each key stage through the children's ability to know, apply and understand the knowledge, skills and processes specified in the relevant program of study. Progress is shown through pupil outcomes alongside teachers observing how pupils perform in lessons and talking to them about what they know. Additionally, teachers assess the pupil's knowledge using tools such as low stakes retrieval quizzes, Kapow assessments and presentations. As pupils deepen their understanding, they are able to ask and answer questions using an increasing base of technical vocabulary as well as expressing well-balanced opinions, rooted in very good knowledge and understanding about current issues in society and the environment. They discuss, reflect and appreciate the impact computing has on their learning, development and well-being and how this helps them to become empowered digital citizens.</p>