

# CURRICULUM SUBJECT OVERVIEW - COMPUTING



<p style="text-align: center;"><b>OUR SCHOOL VISION</b></p> <p>The children of The Hawthorns are at the heart of all that we do. As a whole school community, we nurture and challenge our children within a caring environment, so they grow both personally and academically.</p> <p>We are passionate about developing the whole child; encouraging them to have a growth mindset, believe in themselves, aspire to achieve their best and become resilient lifelong learners.</p> <p>We uphold a strong sense of belonging by valuing our children's individuality and celebrating diversity to ensure all our children thrive.</p>	<p style="text-align: center;"><b>SUBJECT INTENT</b></p> <p>At The Hawthorns, we aim to develop all pupils' computing skills to prepare them for the future in a digital world. At our school we want pupils to be creators and masters of technology and our curriculum encompassing computer science, information technology and digital literacy reflects this. We want to model and educate our pupils on how to use technology positively, responsibly and safely. We want our pupils to understand that there is always a choice. We believe a cross-curricular approach to teaching computing will enhance and extend the children's learning across the whole curriculum and in doing so will enable them to be creative, confident, independent, digital-literate learners.</p> <p>While developing computing skills, the Hawthorn's Child will be required to pull upon our school's Aspirational Qualities. There will be numerous opportunities for children to show perseverance, ask questions, think creatively and find awe and wonder in the technology available to them.</p>
<p style="text-align: center;"><b>OUR CURRICULUM VISION</b></p> <p>At The Hawthorns Primary School, we aim to provide a unique and creative learning experience with high aspirations for all our pupils.</p> <p>Our exciting and innovative curriculum is tailored to inspire and challenge each individual child so they develop a passion for learning and aspire to be successful.</p> <p>The curriculum offers a wealth of knowledge through real life experiences to foster a spirit of curiosity and purpose, encouraging children to make connections and equipping them with the skills needed for their futures.</p>	
<p style="text-align: center;"><b>CULTURAL CAPITAL</b>  <b>The essential knowledge that children need to be educated citizens</b></p> <p>Our Computing curriculum provides the opportunity to develop the transferrable skills and concepts our pupils need within other areas of the curriculum. We aim to ensure that computing supports the development of cultural capital for every child. The Computing Science strand develops concepts such as logic and problem solving while the Information Technology strand enables our pupils to learn how to use technology in a variety of ways to help analyse work, research or collaborate ideas – skills that can be used across any subject area.</p> <p>Digital safety is embedded in our Digital Literacy strand and it provides our pupils with the essential knowledge and tools that will enable them to participate effectively and safely in the digital world beyond their time in school.</p> <p>We try to provide opportunities that excite and enthuse our pupils within computing, giving them a curiosity of new technology in the world around them. We want every child in our school to be digitally literate in order to enable them to keep pace with the dynamic world of technology. Our children will be confident, competent and responsible members of the digital world.</p>	
<p style="text-align: center;"><b>IMPLEMENTATION</b></p> <p>Our computing curriculum is comprised of three threshold concepts: Computing Science, Information Technology and Digital Literacy. To ensure continuity and progression, along with children's accessibility outside of the classroom, staff follow the Purple Mash Scheme of Work to teach the specific key skills. These are taught within discrete time-tabled lessons which are then embedded and applied in a more focused, creative approach across the curriculum to enhance all areas of learning. Within our school, you will see a learning buzz of children developing and testing ideas with a variety of technology including: Chromebooks, interactive whiteboards, Bee-bots, data loggers, microphones, talking tiles/pegs, visualisers, and microscopes.</p>	<p style="text-align: center;"><b>IMPACT</b></p> <p>The way pupils showcase, share, celebrate and publish their work will best show the impact of our curriculum. We also look for evidence through reviewing pupil's knowledge and skills digitally through tools like Purple Mash '2dos' and assessments and work shared on Google Classroom. By teaching the computing curriculum as we do, pupils will understand the importance of the key skills and will be able to apply them to all areas of their learning across the curriculum. They will be confident, responsible users of technology. The Hawthorns Child will be fluent with a range of tools to best express their understanding and by Upper Key Stage 2, they will have the independence and confidence to choose the best tools to fulfil tasks and tackle any challenges.</p>