

CURRICULUM SUBJECT OVERVIEW - DESIGN AND TECHNOLOGY

<p style="text-align: center;">OUR SCHOOL VISION</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;">SUBJECT INTENT</p> <p>At The Hawthorns, Design and Technology is embedded within Hawthorns vision. It is an inspiring, rigorous and practical subject, requiring creativity, resourcefulness, and imagination. It encourages children to believe in their design and experiment creatively. We give children the opportunities to design and make products that solve real and relevant problems within a variety of contexts. We give children the skills to use a variety of different tools. At The Hawthorns, the subject is cross curricular and draws upon subject knowledge and skills within other areas of the curriculum. We give children the opportunities to ensure they learn to take risks, be reflective, innovative and resilient. We teach children to be innovators and use the evaluation of past and present Design and Technology which enables them to develop a critical understanding of its impact on daily life and the wider world.</p>
<p style="text-align: center;">OUR CURRICULUM VISION</p> <p>At The Hawthorns Primary School, we aim to provide a unique and creative learning experience with high aspirations for all our pupils. 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. 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;">CULTURAL CAPITAL The essential knowledge that children need to be educated citizens</p> <p>At The Hawthorns, Design and Technology links strongly with the topics being studied in each year group. We provide our children with high-quality design education that engages, inspires and challenges pupils, equipping them with the knowledge and skills to experiment, invent and create their own products. Pupils learn about a range of well-known skills and designers and study their work and their lives. We aim to enable pupils to progress in such a way, that allows for the development of critical thinking and a rigorous understanding of designing. Through all the things that children love to do, we ensure that young people don't just experience the subject but that they actively take part and create their own as participants. At The Hawthorns, we bring an awareness of how DT both reflects and shapes our history, and contributes to the culture, creativity and wealth of our nation.</p>	
<p style="text-align: center;">IMPLEMENTATION</p> <p>At Hawthorns Primary both KS1 and KS2 follow the National Curriculum 2014 set out for DT. The DT learning starts in reception, where children learn to explore and use a variety of media and materials through a combination of child initiated and adult directed activities. They develop skills to use simple tools safely and are guided to select appropriate resources for their products. The learning of DT is based around the early learning goals 'Expressive Arts and Design, Understanding the World and Physical Development'. These skills are then built on throughout the year groups through our threshold concepts and milestones. Our curriculum is designed to ensure progression is achieved and we ensure we build on children's knowledge, understanding and skills throughout each year groups. Our children understand and use the cycle of research, design, make and elevation and use this cycle when completing activities in the following areas: structures, mechanisms, textiles, food, electrical systems. Children are taught that DT is not a stand-alone topic; it is cross curricular and can be integrated across all areas of the curriculum. It encourages children to be problem solvers, critical thinkers and encourages imagination. We aim to show children that technology in the world is constantly changing and help them understand how key events and individuals in design and technology have helped shape the world. From KS1-KS2, children record DT learning in books where they record all aspects of their design process. We teach 3 units of DT across the year.</p>	<p style="text-align: center;">IMPACT</p> <p>All children will:</p> <ul style="list-style-type: none"> - Be taught how to cook and apply the principles of nutrition and healthy eating. They will use appropriate utensils to cook/prepare food. - Have a rich vocabulary which will enable children to design and articulate their design process as well to identify the tools used. - Have an age appropriate subject knowledge of the concepts taught; structures, mechanisms, textiles, food, electrical systems. - Have a wide variety of skills when using tools linked to the different areas of DT which include structures, mechanisms, textiles, food, electrical systems. - Have high aspirations which will see them want to engage further with DT in their careers of future education. - Be taught the skills to critique, evaluate and test their ideas and products. - Have a clear understanding about how to work safely with tools.

