



Holy Family Catholic Primary School

Following in the footsteps of Jesus, we Pray, Play and Learn Together



Design and Technology Curriculum Statement

At Holy Family we value the opportunity that the DT curriculum gives to help children use their creativity and imagination. We want to ensure the children develop the creative, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world. Through an inspiring curriculum, children are given the opportunity to build and apply a repertoire of knowledge, understanding and skills in order to design and make high-quality prototypes and products for a wide range of users. We want the children to critique, evaluate and test their ideas and products and the work of others that consider their own and others' needs, wants and values. The children will design and make a range of products to a high-quality finish and as designers the children will develop skills and attributes they can use beyond school and into adulthood.

INTENT	IMPLEMENTATION	PLANNED IMPACT
<ul style="list-style-type: none"> The intent of our Design and Technology (DT) curriculum is that the children will receive a design and technology curriculum which allows them to exercise their creativity through designing and making. The children will be taught to combine their designing and making skills with knowledge and understanding in order to design and make a product, taking risks when appropriate. Skills are taught progressively to ensure that all children are able to learn and practice in order to develop as they move through the school. Evaluation will be an integral part of the design process and will allow children to adapt and improve their product which is a key skill which they need throughout their life. Our DT provision will allow children to apply the knowledge and skills learned in other subjects, particularly Maths, Science, Computing and Art. Children will also be given opportunities for 	<p>Through a variety of creative and practical activities, we teach the knowledge, understanding and skills needed to engage in an iterative process of designing and making. The children design and create products that consider function and purpose and which are relevant to a range of sectors (for example, the home, school, leisure, culture, enterprise, industry and the wider environment).</p> <p>Key skills and knowledge for D and T have been mapped across the school using KAPOW scheme of work to ensure progression between year groups. The context for the children's work in Design and Technology is also well considered and children learn about real life structures and the purpose of specific examples, as well as developing their skills throughout the programme of study. Design and technology lessons are also taught as a block so that children's learning is focused throughout each unit of work. Throughout the time in Holy Family children will revisit key areas from Years 1 to 6 with increasing complexity in order to allow pupils to revisit and build on their previous learning.</p> <p>In EYFS, Design Technology is developed through purposeful play-based experiences. Children are given a wide range of opportunities</p>	<p>We ensure the children:</p> <ul style="list-style-type: none"> develop the creative, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world build and apply a repertoire of knowledge, understanding and skills in order to design and make high-quality prototypes and products for a wide range of users and critique, evaluate and test their ideas and products and the work of others understand and apply the principles of nutrition and learn how to cook. Children will design and make a range of products. A good quality finish will be expected in all design and activities made appropriate to the age and ability of the child <p>Children learn how to take risks, becoming resourceful, innovative, enterprising and</p>

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<p>cooking preparation and developing basic cooking skills.</p>	<p>within the class environments and have continuous access to the construction area where the children can design, make and evaluate their creations. Staff will then support the children with ideas on how to improve their technical knowledge. Observations and photos of children’s experiences support learning within the EYFS Framework.</p> <p>Year 1-6, the children are taught to design, make and evaluate. Each part of the process is supported by technical knowledge.</p> <p>Design:</p> <ul style="list-style-type: none"> • use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups. • generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional diagrams, prototypes, pattern pieces and computer-aided design. <p>Make:</p> <ul style="list-style-type: none"> • select from and use a wider range of tools and equipment to perform practical tasks (for example, cutting, shaping, joining and finishing, as well as chopping and slicing) accurately. • select from and use a wider range of materials, ingredients and components, including construction materials, textiles and ingredients, according to their functional properties, aesthetic qualities and, where appropriate, taste. <p>Evaluate:</p> <ul style="list-style-type: none"> • investigate and analyse a range of existing products. • evaluate their ideas and products against their own design criteria and consider the views of others to improve their work. • understand how key events and individuals in design and technology have helped shape the world. <p>Technical knowledge:</p> <ul style="list-style-type: none"> • apply their understanding of how to strengthen, stiffen and reinforce more complex structures. • understand and use mechanical systems in their products. 	<p>capable citizens. Through the evaluation of past and present design and technology, they develop a critical understanding of its impact on daily life and the wider world. High-quality design and technology education make an essential contribution to the creativity, culture, wealth and well-being of the nation.</p> <p>When the children leave Holy Family, they will be equipped with a variety of skills which will enable them to succeed in adulthood and become innovative and resourceful members of society.</p>
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	<ul style="list-style-type: none">• understand and use electrical systems in their products.• apply their understanding of computing to program, monitor and control their products• Understand some of the ways that food can be processed and the effect of different cooking practices (including baking and grilling). <p>Teachers are supported with CPD through KAPOW which provides videos to help model skills and progression which is taught by experts. This enables all teachers in Holy Family to provide every child with high quality teaching.</p>	
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