



Eldersfield Lawn CE Primary School

Design and Technology



INTENT

At Eldersfield Lawn CE Primary School we intend to provide a Design Technology curriculum which develops learning and results in the acquisition of knowledge and skills. We aim for our pupils to know more, remember more and understand more. We intend to provide a Design Technology curriculum with appropriate subject knowledge, skills and to fulfil the duties of the National Curriculum by providing a balanced and broadly-based curriculum which promotes the spiritual, moral, cultural, mental and physical development of pupils and prepares them for the opportunities and responsibilities and experiences for later life. At Eldersfield Lawn, we aim to ignite curiosity and inspire our pupils through a broad range of practical experiences to create innovative designs to solve real and relevant problems in the world. We allow our pupils to evaluate key individuals and events which have helped shape the world we live in, showing the real impact of design and technology on the wider environment. We hope that this, in turn, will help motivate Eldersfield Lawn's pupils to become the next generation of innovators.

IMPLEMENT

At Eldersfield Lawn, we use a clear and comprehensive progression of skills which work in line with the National Curriculum. The Design Technology National Curriculum and EYFS is planned for and covered in full within the EYFS, KS1 and KS2 school curriculum. Whilst the EYFS and National Curriculum forms the foundation of our curriculum, we make sure that children learn additional skills, knowledge and understanding and enhance our curriculum as required. We deliver projects with a clear topic focus, including construction, textiles and food/drink units of work. Each of these units will follow a similar design process of research, designing, making and evaluating. During each of these processes, a range of skills will be taught ensuring that children are aware of health and safety issues related to the tasks undertaken. Clear and appropriate cross curricular links are made to underpin learning across the curriculum, which gives the children opportunities to learn life skills and apply skills to 'hands on' situations in a purposeful context. Our adopted STEM approach at Eldersfield Lawn helps to embed the real-life learning and skills which children adopt from their Design Technology lessons.

At Eldersfield Lawn, our pupils are asked to solve problems and develop their learning independently. This allows them to have ownership over their curriculum and lead their own learning in Design Technology. Our pupils may also be asked to work as part of a team learning group to support and help one another towards a challenging, yet rewarding, goal. Together, they are able to become competent practitioners who can see how Design Technology has helped shape the ever-evolving world we live in, whilst critically evaluating both their own and others work.

IMPACT

To fully emerge the children in their ever-evolving technological world, we ensure that Design Technology is loved by both teachers and pupils alike at Eldersfield Lawn, therefore encouraging pupils to continue to build upon their wealth of skills and understanding now and in the future. Our pupils will enter Secondary school with a clear enjoyment and confidence in Design and that they will then apply to other areas of the curriculum. Our children will ultimately know more, remember more and understand more about Design Technology, demonstrating this knowledge when using tools or skills in other areas of the curriculum and in opportunities out of school. As designers, children will develop skills and attributes they can use beyond school and into adulthood to find solutions to future problems using original, innovative designs.



Design and Technology End Points

RELEVANCE	PUPILS ARE ENABLED TO...
Participate in tomorrow's rapidly changing technologies, encouraging them to think and intervene creatively to improve quality of life.	Become creative problem solvers, as individuals and members of a team, designing and making a range of products.

EARLY LEARNING GOALS	Y2 END POINTS
<i>PD</i> Use a range of small tools, including scissors, paintbrushes and cutlery. <i>EAD</i> Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function. Share their creations explaining the process they have used.	Cut materials safely using tools provided. Design products that have a clear purpose and an intended user. Make products, refining the design as work progresses. Explore objects and designs to identify likes and dislikes of the designs. Suggest improvements to existing designs. Explore how products have been created.
Y4 END POINTS	Y6 END POINTS
Cut materials accurately and safely by selecting appropriate tools. Design with purpose by identifying opportunities to design. Make products by working efficiently (such as by carefully selecting materials). Refine work and techniques as work progresses, continually evaluating the product design. Improve upon existing designs, giving reasons for choices. Disassemble products to understand how they work.	Cut materials with precision and refine the finish with appropriate tools (such as sanding wood after cutting or a more precise scissor cut after roughly cutting out a shape). Develop a range of practical skills to create products (such as cutting, drilling and screwing, nailing, gluing, filing and sanding). Design with the user in mind. Make products through stages of prototypes, making continual refinements. Ensure products have a high quality finish, using art skills where appropriate. Create innovative designs that improve upon existing products. Evaluate the design of products so as to suggest improvements to the user experience.



Eldersfield Lawn Design and Technology Summary Coverage Map

2025-2026



EYFS			
	Autumn	Spring	Summer
Reception	Understanding the World, Personal, Social and Emotional development, Communication and Language		
KS1			
	Autumn	Spring	Summer
Year 1 and 2	<u>Vehicles</u>	<u>Eat more Fruit and Vegetables</u>	<u>Moving Minibeasts</u>
LKS2			
	Autumn	Spring	Summer
Year 3 and 4	<u>Storybooks</u>	<u>British Inventors</u>	<u>Light-Up Signs</u>
UKS2			
	Autumn	Spring	Summer
Year 5 and 6	<u>Burgers</u>	<u>Bird House Builders</u>	<u>Programming Pioneers</u>



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2024-2025



EYFS			
	Autumn	Spring	Summer
Reception	Understanding the World, Personal, Social and Emotional development, Communication and Language		
KS1			
	Autumn	Spring	Summer
Year 1 and 2	Stable Structures	Puppets	Perfect Pizzas
LKS2			
	Autumn	Spring	Summer
Year 3 and 4	Seasonal Stockings	Making Mini Greenhouses	Seasonal Food
UKS2			
	Autumn	Spring	Summer
Year 5 and 6	Building Bridges	Fashion and Textiles	Chinese Inventions