



**John Blow Primary School
D&T Long Term Plan
2026-2027**

Child-friendly definition of Design and Technology (D&T)

Design and Technology (D&T) is about using creativity and practical skills to solve problems and make things that improve people's lives.




It helps us design, create, test and improve products by thinking carefully about what people need and how things work.

By exploring materials, structures, mechanisms, textiles, food and technology, we learn how products are made and how they can be improved.

Through designing and making, we can develop our creativity, resilience and problem-solving skills while bringing our ideas to life.

By evaluating and refining our work, we learn from mistakes, celebrate successes and create products that are useful, purposeful and enjoyable.

Cycle A

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS					
 Fine motor and cutting – Play-Doh		 Healthy Eating – fruit and vegetable tasting		 Baking – Mermaids and Pirates	
Key skills Cutting Joining materials		Key skills Cutting		Key skills Baking	



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KS1



Christmas biscuits



Vehicles



Great Fire of London Houses

Key skills

- Follow basic recipes and instructions to prepare food safely and hygienically.
- Use simple tools such as cutters, rolling pins, and weighing scales.
- Understand the importance of hygiene and safe food handling.
- Explore the sensory properties of ingredients and finished products.
- Evaluate the taste and appearance of the final product.

Key skills




- Explore and use mechanisms such as wheels and axles in products.
- Design and make a functional vehicle with moving wheels.
- Select appropriate tools and materials for joining and construction.
- Measure and mark materials accurately.
- Evaluate finished product based on its function and appearance.

Key skills

- Build structures using a range of materials and joining techniques.
- Strengthen and reinforce materials to improve stability.
- Develop cutting, folding, and joining techniques using tabs and slots.
- Use research and design criteria to inform product development.
- Reflect on and evaluate the success of the structure.






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LKS2		
 <p>Pencil cases</p>	 <p>Greek Salad</p>	 <p>Roman shields</p>
<p>Key skills Sewing</p> <ul style="list-style-type: none">• Use a range of stitches (e.g. running stitch, cross stitch, back stitch).• Accurately join and decorate fabrics.• Select appropriate tools and techniques for joining textiles.• Understand how to strengthen, stiffen and reinforce fabrics.• Evaluate design and final product against criteria.	<p>Key skills Food preparation</p> <ul style="list-style-type: none">• Prepare a variety of savoury dishes using a range of techniques.• Cut, peel, grate and chop safely and hygienically.• Understand the principles of a balanced diet. Combine ingredients with attention to texture and flavour.• Evaluate final dish against intended purpose.	<p>Key skills Joining materials</p> <ul style="list-style-type: none">• Investigate how to stiffen, strengthen, and reinforce 2D shapes to make 3D structures.• Use scoring, folding and layering to create durable products.• Select tools and techniques for shaping and joining with accuracy.• Design with purpose, considering functional and aesthetic aspects.



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UKS2		
 <p style="text-align: center;"><i>Savory biscuits</i></p>	 <p style="text-align: center;"><i>Mayan Masks</i></p>	 <p style="text-align: center;"><i>Cushion making</i></p>
<p>Key skills Cookery</p> <ul style="list-style-type: none"> - Following multi-step savoury recipes with accuracy - Measuring and combining ingredients precisely - Understanding the function of ingredients (e.g. binding, flavouring) - Using tools and equipment safely (e.g. graters, knives) - Evaluating taste, appearance, and texture to refine recipes 	<p>Key skills Joining materials</p> <ul style="list-style-type: none"> - Researching cultural art and using it to inform designs - Exploring and experimenting with a range of materials (e.g. papier-mâché, card, fabric, embellishments) - Developing shaping, moulding, cutting and joining techniques - Creating stable, decorative 3D forms - Evaluating aesthetic and functional aspects of the product 	<p>Key skills</p> <ul style="list-style-type: none"> - Designing and planning textile products with function and aesthetics in mind - Accurately measuring, marking, and cutting fabric - Using a range of stitches (e.g. running stitch, backstitch, blanket stitch) - Adding decoration (appliqué, embroidery, fabric paint) - Using finishing techniques for durability and presentation

Design and Technology Enrichment and Enhancement at John Blow Primary School

At John Blow Primary School, we believe that Design and Technology provides children with opportunities to use creativity, practical skills and problem-solving to design and make products that have a purpose. Our Design and Technology curriculum is carefully planned to develop pupils' knowledge, skills and understanding progressively from the Early Years through to Year 6, ensuring that children build upon prior learning and become increasingly confident designers and makers.



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We aim for children not only to develop technical knowledge and practical skills, but also to understand how design influences the world around them. Through exploring existing products, investigating how things work and creating solutions to real-life problems, pupils learn how Design and Technology impacts everyday life.

A key feature of our Design and Technology curriculum is the use of project books, which are now embedded consistently across the school. These books enable pupils to record and reflect upon every stage of the design process, ensuring clear progression in learning as they move through each year group. Children are able to revisit prior knowledge, apply previously taught skills and demonstrate how their understanding develops over time.

Across the school, opportunities are provided for children to:

- investigate and evaluate existing products
- develop an understanding of the design process
- generate, communicate and refine design ideas
- select and use appropriate tools, materials and components safely
- develop practical skills in structures, mechanisms, textiles, food and electrical systems where appropriate
- create products for a specific purpose and audience
- evaluate and improve their designs and finished products
- record their learning and design journey through project books

Educational experiences are carefully planned to support and enhance classroom learning. The curriculum has been designed to ensure clear progression in knowledge, vocabulary and technical skills across all areas of Design and Technology. Each unit builds upon previous learning, enabling pupils to develop increasing independence, confidence and competence as designers and makers.

In addition to planned curriculum opportunities, pupils are encouraged to celebrate and share their achievements through:

- classroom and whole-school displays



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- curriculum-linked design projects
- cross-curricular opportunities
- collaborative design and problem-solving activities
- opportunities to present and evaluate their work

Through these experiences, we aim to develop children who are creative, innovative and resilient. We want pupils to leave John Blow Primary School with the knowledge, skills and confidence to solve problems, think critically and apply their learning in practical and meaningful ways.

The teaching staff of John Blow School collaboratively developed this curriculum, supported by curriculum guidance and best practice research. The curriculum is underpinned by research-informed approaches and has been carefully mapped against the National Curriculum to ensure clear progression, full coverage and high expectations for all pupils.

Please contact the school if you require additional information.