

At Kingsway Primary School, our Design and Technology (DT) curriculum provides students with exciting, real-world opportunities to explore creativity, innovation, and problem-solving. Rooted in a **Reading Inspired Curriculum** and guided by our school values—**caring about togetherness, thriving on difference, passionate about learning, and inspired to grow**—we empower students to design, make, and evaluate purposeful products while learning about influential designers, inventors, and engineers through inspiring texts.



Our DT curriculum fosters a culture where students become confident, resourceful, and resilient learners who can work collaboratively, celebrate diversity in design, and continually strive for improvement.



Intent Overview

Our Design Technology curriculum aims to:

- Develop creative thinking and practical problem-solving skills through purposeful design and hands-on making activities.
- Integrate inspiring reading experiences, connecting literature and non-fiction to real-life design challenges and inventions.
- Encourage collaboration and teamwork, building empathy and shared responsibility in group projects.
- Celebrate diverse cultures, materials, and design traditions from around the world.
- Foster a growth mindset by teaching students to reflect, evaluate, and improve their designs through resilience and perseverance.

Implementation Strategies through our School Values

<p>We Care about Togetherness</p> 	<p>We Thrive on Difference</p> 
<p>To promote togetherness through design technology, we encourage the following behaviours:</p> <ul style="list-style-type: none"> • Working Cooperatively on Design Projects Pupils share ideas, listen to each other, and collaborate respectfully when planning and creating group designs. • Sharing Tools and Resources Responsibly Children take turns with equipment, ensure resources are used fairly, and help tidy shared workspaces. • Encouraging and Supporting Each Other's Ideas Pupils offer positive feedback and constructive suggestions, helping classmates develop and improve their designs. • Helping Peers Learn New Skills Children patiently demonstrate techniques and assist others who may find practical tasks challenging. 	<p>To promote thriving on difference through design technology, we encourage the following behaviours:</p> <ul style="list-style-type: none"> • Exploring and Respecting Designs from Different Cultures Pupils show interest in how products and designs vary across cultures and time periods, appreciating the value of diverse ideas. • Valuing Different Approaches to Problem-Solving Children listen to and consider a range of design solutions, understanding that there are many ways to successfully meet a design brief. • Incorporating a Variety of Styles and Influences in Their Work Pupils confidently experiment with different materials, techniques, and design traditions to create unique and innovative products.

<ul style="list-style-type: none"> • Celebrating Group Achievements Pupils take pride in shared successes, recognising and valuing everyone's contribution to a final product. 	<ul style="list-style-type: none"> • Respecting and Celebrating the Creative Ideas of Others Children show kindness and respect when classmates' ideas differ from their own, understanding that creativity flourishes through diversity. • Confidently Sharing Their Own Unique Ideas Pupils feel proud to express their personal design choices and inspirations, and encourage others to do the same.
<p>We are Passionate about Learning</p> 	<p>We are Inspired to Grow</p> 
<p>To promote being passionate about learning through design technology, we encourage the following behaviours:</p> <ul style="list-style-type: none"> • Showing Curiosity About How Products Are Designed and Made Pupils ask thoughtful questions about how everyday objects work and show enthusiasm for exploring new design ideas. • Engaging Enthusiastically in Practical Tasks Children participate eagerly in hands-on activities, experimenting with materials, tools, and construction techniques. • Persevering Through Design Challenges Pupils demonstrate determination to improve their designs, testing and refining their ideas even when things don't work the first time. • Sharing Ideas and Innovative Solutions Children excitedly share their creative ideas and enjoy discussing how they've overcome design problems with others. • Taking Pride in Completed Products Pupils show satisfaction in completing projects and enjoy presenting and explaining how their designs were created and improved. 	<p>To promote being inspired to grow through design technology, we encourage the following behaviours:</p> <ul style="list-style-type: none"> • Actively Seeking and Using Feedback to Improve Designs Pupils welcome constructive feedback from teachers and peers and use it to refine and improve their products. • Demonstrating Resilience When Designs Don't Go to Plan Children view setbacks as learning opportunities, showing determination to adapt and improve their ideas. • Reflecting on Their Progress and Setting Personal Goals Pupils evaluate their work thoughtfully and identify ways to further develop their design and practical skills. • Trying New Techniques and Embracing Challenge Children show confidence in experimenting with unfamiliar tools, materials, and design processes, even when they find them difficult. • Celebrating Their Own and Others' Growth Pupils recognise and take pride in how their skills and confidence have improved over time and celebrate the progress of their peers.

Impact

By the end of their primary education, children at Kingsway Primary School will:

- Demonstrate creative problem-solving skills and confidently take ideas from concept to final product.

- Show resilience and a growth mindset when faced with design challenges, learning from mistakes and striving for improvement.
- Work collaboratively and respectfully, valuing the contributions of all team members.
- Understand and appreciate how culture, tradition, and environment influence design decisions.
- Develop a passion for innovation and be inspired to see themselves as future designers, engineers, and makers who can positively impact their world.

Monitoring and Evaluation

Monitoring and evaluation of our Design and Technology curriculum focus on ensuring that pupils experience a rich, purposeful, and inspiring learning journey, closely linked to high-quality texts and meaningful design contexts. Through regular lesson observations, pupil voice interviews, and reviews of design portfolios and finished products, we assess how well children develop key design skills, creativity, and problem-solving abilities.

We look for evidence of collaborative working (*caring about togetherness*), the celebration and integration of diverse design influences (*thriving on difference*), high levels of engagement and enthusiasm for practical challenges (*passionate about learning*), and clear progression in resilience, reflection, and skill development (*being inspired to grow*).

This ongoing process ensures our curriculum remains ambitious, inclusive, and aligned with the National Curriculum and our school values, preparing children to be confident, creative, and resourceful designers of the future.

.At Kingsway Primary School, our Design and Technology curriculum nurtures confident, capable, and thoughtful young designers who are curious, reflective, and inspired to contribute creatively to an ever-changing world.