



St Ann's R.C. Primary School

Design and Technology Curriculum Intent

At St Ann's our intention is to provide a Design and Technology curriculum which allows all learners to use creativity, ambition and imagination to design and make products which solve real and relevant problems within a variety of contexts. We want to inspire our children to consider their own and others' needs, wants and values when designing products. They will acquire a broad range of subject knowledge and draw on disciplines across the curriculum such as Maths, Science, Engineering, Computing and Art.

As a healthy eating certified school, we feel it necessary that the children understand the principles of nutrition and have the basic skills of cooking. We want our children to learn to take risks whilst becoming resourceful, innovative, enterprising and capable citizens. At St Ann's we want Design and Technology to become the foundation on which the children build their skills and critical thinking in order to create products which will benefit and enhance the world that God created. They will learn to evaluate past and present design and technology whilst developing a critical understanding of its impact on daily life and the wider world thus preparing them for future employment.

Throughout the curriculum children will be given opportunities to:

- Understand and apply the principles of nutrition whilst learning how to cook
- Develop the creative, technical and practical expertise needed to perform everyday tasks confidently
- Participate successfully in an increasingly technological world
- Build and apply a range of knowledge, understanding and skill in order to design and make high-quality prototypes and products for a wide range of users
- Critique, evaluate and test their ideas and products

We aim to raise the standards of pupils' abilities through developing specific Design and Technology skills such as:

- Writing and working to a design brief
- Evaluation of theirs and others' products
- Generation, development and communication of ideas in a range of ways

- Using a range of tools and equipment to perform practical tasks
- Being able to select from a wide range of materials
- Use technical language

We aim to increase the opportunities for the children to experience:

- Learning about different products and how they are made
- Learning how to design and make products
- Researching using a variety of sources
- Evaluating both theirs and others' products
- Using a range of tools for different purposes

Through Design and Technology, children will also develop personal qualities such as:

- Responsibility and commitment
- Teamwork and negotiation
- Flexibility and perseverance
- Resourcefulness and motivation
- Persuasion and leadership

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At St Ann's R.C. Primary School, our intent for Design and Technology is to nurture creative, ambitious and imaginative learners who can design and make products with purpose and confidence. We want children to understand how thoughtful design can solve real problems, meet the needs of others and contribute positively to the world that God created. Through meaningful, practical experiences, pupils learn to think critically, take risks, and apply knowledge from across the curriculum—including Maths, Science, Engineering, Computing and Art.

As a healthy-eating certified school, we place strong emphasis on nutrition and cooking. Children learn essential life skills, understand where food comes from, and develop the confidence to prepare simple, healthy dishes. Guided by our values of Love, Respect and Service, pupils learn to design responsibly, consider the impact of products on people and the environment, and recognise how innovation can improve lives.

We aim to provide a rich, progressive and engaging journey in Design and Technology that prepares children for an increasingly technological world while helping them grow as resourceful, capable and compassionate citizens.

Implementation

Our Design and Technology curriculum is built around developing pupils' creativity, technical understanding and practical expertise. It is organised around key strands including: Designing, Making, Evaluating and Technical Knowledge.

- **Structured Progression:** Skills and knowledge build progressively from EYFS to Year 6, ensuring children revisit and deepen their understanding of designing, making and evaluating.
- Pupils learn to write and work to design briefs, generate ideas in a variety of ways, and communicate their thinking clearly.
- **Practical Experiences:** Lessons include hands-on opportunities to use tools, materials and equipment safely and effectively. Children learn how products are made, explore mechanisms and structures, and create high-quality prototypes and final outcomes.
- **Cross-Curricular Links:** Design and Technology draws on learning from across the curriculum—for example, measuring in Maths, forces in Science, digital tools in Computing and creativity in Art.

- **Cooking and Nutrition:** Children learn the principles of a healthy diet, develop basic cooking skills and understand how food choices affect wellbeing.
- **Evaluation and Critical Thinking:** Pupils evaluate their own products and those of others, learning to test, refine and improve their ideas.
- They explore past and present designers, gaining insight into how design influences daily life and future possibilities.
- **Inclusive Approach:** All pupils access Design and Technology through adaptive strategies and supportive resources, ensuring every child can participate confidently and safely.

Impact

The impact of our Design and Technology curriculum is monitored through ongoing formative assessment, pupil voice, evaluation of finished products and review of design portfolios.

Through this curriculum we aim to:

- Ensure children leave St Ann's as confident, creative and capable designers who can solve problems and bring ideas to life.
- Develop children's ability to think critically, evaluate products and understand how design affects the wider world.
- Equip children with practical skills—from using tools safely to selecting appropriate materials—that prepare them for future learning and employment.
- Foster resilience, teamwork, perseverance and resourcefulness through collaborative projects and hands-on challenges.
- Provide a clear progression of technical knowledge, including mechanisms, structures, textiles, electrical systems and cooking.
- Enable children to design with purpose, considering the needs, values and wellbeing of others, and understanding their responsibility as stewards of God's creation.
- Inspire pupils to be innovative, enterprising and reflective, ready to contribute positively to an ever-changing technological world.

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