

Design and Technology Policy

Sand Hutton and Warthill Church of England Primary School Federation

Policy Statement

At Sand Hutton and Warthill Church of England Primary School Federation, we believe that Design and Technology is an essential part of a broad and balanced curriculum. Through high-quality Design and Technology education, we aim to inspire creativity, innovation and problem-solving whilst enabling pupils to develop practical skills and knowledge that can be applied to real-life situations.

As a federation of two small rural schools, we recognise the value of collaborative learning experiences that enable pupils to design, make and evaluate products whilst developing resilience, independence and confidence.

Aims

The aims of Design and Technology within the federation are to:

- Develop creative, practical and technical knowledge.
- Encourage pupils to identify needs and solve problems through design.
- Enable pupils to design, make and evaluate purposeful products.
- Develop understanding of materials, structures, mechanisms and systems.
- Foster innovation, resilience and critical thinking.
- Promote independence, teamwork and communication skills.
- Develop knowledge of nutrition and healthy eating through cooking and nutrition.
- Prepare pupils to participate successfully in an increasingly technological world.

Curriculum Intent

- Meet all requirements of the National Curriculum.
- Build knowledge, skills and vocabulary progressively from EYFS to Year 6.
- Develop pupils' understanding of the design process through designing, making and evaluating.
- Enable pupils to apply knowledge from other curriculum areas, including mathematics, science, computing and art.
- Provide opportunities to work with a wide range of materials, tools and techniques.
- Develop practical skills alongside creative and technical understanding.
- Promote innovation, problem-solving and reflective thinking.
- Prepare pupils for future learning and everyday life.

Curriculum Organisation

Sand Hutton Primary School

- EYFS/Year 1 Class
- Years 2 and 3 Class
- Years 4, 5 and 6 Class

Warthill Primary School

- Infant Class
- Junior Class

Teachers plan Design and Technology learning through a mixed-age approach, ensuring full National Curriculum coverage over a rolling programme where appropriate.

Early Years Foundation Stage

In EYFS, design and technology skills are developed through:

- Construction and model-making activities.
- Exploration of materials and joining techniques.
- Designing and creating using a range of resources.
- Problem-solving through practical challenges.
- Role play and imaginative design opportunities.
- Developing fine motor skills through purposeful making activities.

Children work towards the Physical Development and Expressive Arts and Design Early Learning Goals.

Teaching and Learning

- Include clear learning objectives.
- Build progressively on prior learning.
- Follow the process of designing, making and evaluating.
- Encourage creativity and innovative thinking.
- Develop technical knowledge and practical skills.
- Provide opportunities for pupils to solve real and relevant problems.
- Promote discussion, reflection and evaluation.
- Include appropriate challenge and support for all learners.

Pupils will develop knowledge and skills within areas including:

- Mechanisms
- Structures

- Textiles
- Electrical systems
- Cooking and nutrition
- Materials and their properties

Where appropriate, pupils will use digital technology to support the design process.

Cooking and Nutrition

The federation recognises the importance of healthy lifestyles and food education.

Pupils will:

- Develop an understanding of healthy and balanced diets.
- Learn basic food preparation and cooking skills.
- Understand where food comes from.
- Develop knowledge of nutrition and healthy eating choices.
- Practise safe and hygienic food handling procedures.

Inclusion

Staff will:

- Adapt activities where necessary.
- Provide appropriate support for pupils with SEND.
- Ensure equal access regardless of gender, ability, ethnicity or background.
- Celebrate effort, creativity and achievement.
- Enable all pupils to experience success through practical learning.

Reasonable adjustments will be made to ensure every pupil can access learning.

Health and Safety

Safe practice is essential in all Design and Technology lessons.

Staff will:

- Carry out appropriate risk assessments where necessary.
- Ensure tools and equipment are used safely.
- Teach pupils safe working practices.
- Provide appropriate supervision during practical activities.
- Follow food hygiene procedures during cooking activities.
- Maintain safe learning environments for all pupils.

Resources

The federation will provide a range of resources to support high-quality Design and Technology teaching and learning.

Resources may include:

- Construction materials.
- Textiles and sewing equipment.
- Mechanisms and electrical components.
- Food preparation equipment.
- Design and planning materials.
- Digital resources where appropriate.

Resources will be monitored and replenished as required.

Assessment

Teachers will assess:

- Design skills and creative thinking.
- Practical making skills.
- Technical knowledge and understanding.
- Ability to evaluate and improve products.
- Participation and engagement in learning.

Assessment information contributes to curriculum monitoring and reporting to parents.

Equal Opportunities

The federation is committed to equality of opportunity. Design and Technology provision will reflect the needs of all pupils and promote inclusion, creativity and aspiration through meaningful practical experiences.

Monitoring and Evaluation

The Design and Technology Subject Leader will:

- Monitor curriculum coverage.
- Review planning and assessment.
- Observe teaching and learning.

- Gather pupil voice.
- Monitor standards and progression.
- Evaluate the effectiveness and impact of the curriculum.

September 2026

Review

Policy Owner: Design and Technology Subject Leader and Headteacher

Review Cycle: Every 2 years

Next Review Date: September 2028