

Cams Lane Primary School



Design Technology Policy

Our School Vision Statement

‘Together as a Cams Lane family, we will inspire everyone to reach their potential. Guided by our 5Rs, we will develop independent learners with an awareness of the world around them, ready for the challenges of the future. We will nurture relationships that build confidence and pride within each person.’

Our School Motto

Our motto is the golden thread which permeates our school ethos and drives everything we do in school.

“INSPIRE, BELIEVE, LEARN”

School Values

- Resilience
- Resourcefulness
- Respect
- Reflection
- Responsibility

Intent

Our Design and Technology scheme of work aims to inspire pupils to be creative and innovative thinkers who have an appreciation for the product design cycle through ideation, creation and evaluation. We want pupils to develop the confidence to take risks through drafting design concepts, modelling, and testing and to be reflective learners who evaluate their work and the work of others. Through our scheme of work, we aim to build an awareness of the impact of design and technology on our lives and encourage pupils to become resourceful, enterprising citizens who will have the skills to contribute to future design advancements.

Aims

At Cams Lane Primary school, we aim to provide opportunities for children to experience designing, making and modifying, using a wide range of materials including card, textiles, construction materials and food. We aim to develop children's design and technology capability through:

- Providing meaningful projects that allow children to contribute their ideas in discussions and planning
- Providing learning situations, which reflect different social, cultural, economic, historical, environmental and moral contexts.
- Providing links to ideas and materials across the world where appropriate.
- The provision of a safe working environment.
- Allow opportunities to evaluate and discuss peer produced products.
- Making cross-curricular links where appropriate

Teaching

Design and technology is taught within the Kapow topics, allowing children to use knowledge and skills from a wide range of other curriculum areas. This will be achieved through practical activities in which children make good quality products, fit for their intended purpose. Children will be given the opportunities to investigate and explore their audiences and develop design briefs, fit for their product.

Children will use a design process whereby ideas can be transformed into objects as they continually evaluate their work. They will also have the opportunity to disassemble, investigate and evaluate existing products. It is hoped that they will have enjoyable, practical, learning experiences.

We use a variety of teaching and learning styles in design and technology lessons. Our principal aim is to develop children's skills, knowledge and understanding. Sometimes we do this through whole-class teaching, while at other times we engage the children in a research and design and make activity. We encourage the children to ask, as well as answer questions which will help them to investigate and evaluate products they are presented with. They have the opportunity to use various materials, such as wood, plastic and fabric and use these in a variety of ways. They use ICT in DT lessons where it enhances their learning. The children develop their speaking and listening skills through discussions, evaluations and presenting reports to the rest of the class. They engage in a wide variety of problem-solving activities.

Curriculum Organisation

In order to achieve these aims, at Cams Lane primary school, Design and Technology is planned for across the key stages to fall in line with statutory guidelines. Learning activities are sequenced to ensure progression and taught through direct skills teaching. Children can then embark on the making process, choosing from their range of developing skills.

Cams Lane primary school aims to provide pupils with real experiences through appropriate contexts, practical activities, educational visits and the use of ICT when appropriate. The DT coordinator keeps photos and samples of children's work in a portfolio and uses these to demonstrate coverage of topics. Design and technology aims for children to understand food and nutrition and have opportunities to learn to cook food.

Design and technology is incorporated into EYFS activities at Cams Lane primary school and children are encouraged to apply their critical thinking skills at any given opportunity. They are encouraged to explore their expressive art and design skills to further their design technology understanding.

Assessment

Assessment is used to inform future planning and to provide information about individuals throughout their time in this school. Assessment techniques will ensure that teachers assess the on-going design process and not just the finished products or outcomes.

These techniques should include:

- Teachers' observation of pupils
- Teacher – pupil discussion and teacher questioning
- Pupils' drawings, notes, models, comments and written work
- Artefacts made by pupils
- Pupils' on-going analysis of their achievements
- Photographs of children engaged in the design process

When reviewing the children's progress in Design and Technology, teachers must consider children's:

- Knowledge, skills and understanding
- Ability to develop, plan and communicate ideas
- Ability to work with tools, equipment, materials and components to make quality products
- Ability to evaluate processes and products
- Knowledge and understanding of materials and components

We assess children's work in DT by making informal judgements as we observe them during lessons. On completion of a piece of work (the outcome), the teacher marks the work and comments as necessary, moving the children forward. At the end of each cornerstones topic, teachers will complete a curriculum assessment, through which the design and technology skills taught during that topic will be stated. Teachers will record the name of the children who are on target, those who are above and those who require further support. This assessment will be given to the design technology lead to analyse, as well as the next academic year teacher.

Monitoring

Monitoring will be undertaken by the subject leader to ensure progression in skills and curriculum content is being covered throughout. This will be done through;

- Pupil voice
- Drop-ins
- Book scrutiny

At two points throughout the year, standards are gathered and assessment data is reviewed to ensure any changes or improvements needed to be made can be addressed.

SEND

Cams Lane Primary School aims to offer a fully inclusive environment and sets high expectations for all pupils. We aim to identify and overcome potential barriers to learning and are committed to responding to pupils' diverse needs and abilities.

We provide a broad and balanced curriculum for children. The curriculum is adapted, designed and developed to be ambitious and meet the needs of all SEND pupil. The teachers meet the diverse needs of all children in their class. For some SEND pupils their learning needs will be met through differentiation and this can be through setting suitable learning challenges, classroom organisation, teaching materials, teaching style, questioning and different tasks. Teachers will make adjustments, where necessary, to support individuals or groups of children and enable them to participate effectively in curriculum and assessment activities.