



Design Technology

Intent:

At St. Andrew's Primary School, our Design Technology curriculum is constructed to inspire children think innovatively and inquisitively about Design Technology. We provide varied learning opportunities which aim to develop not only children's technical skill in Design Technology but also, to develop their wider knowledge of product design and their ability to apply vocabulary accurately.

As a school the Design and Technology curriculum combines skills, knowledge, concepts and values to enable children to tackle real problems. It can improve analysis, problem solving, practical capability and evaluation skills. We aim to, wherever possible, link work to other disciplines such as Mathematics, Science, and Art. The children are encouraged to become innovators and risk-takers.

Implementation:

Through a variety of creative and practical activities, we teach the knowledge, understanding and skills needed to engage in an interactive process of designing and making. When designing and making, the school uses a standardised planning format to ensure the pupils are familiar with the design cycle:

Design – use research and develop design criteria to design for a purpose and communicate their ideas through a range of mediums.

Make – use a wider range of tools and equipment with accuracy and use a wider range of materials and components according to their qualities

Evaluate – evaluate their ideas and products against their own design criteria and consider the views of others to improve their work

Through this process, the aim is to develop the pupils' technical knowledge and vocabulary in relation to structural design, mechanical and electrical systems, the integration of technology and food production and nutrition. In addition, the school aims for these tasks to be completed collaboratively and work together a team.

Impact:

We use a range of Key Performance Indicators and knowledge maps to ensure pupils develop the following:

- Develop the creative, technical and practical expertise needed to perform everyday tasks confidently.

- Build and apply a repertoire of knowledge, understanding and skills in order to design and make high-quality prototypes and products for a wide range of users and critique, evaluate and test their ideas and products and the work of others.
- Understand and apply the principles of nutrition and learn how to cook. Children will design and make a range of products.
- Develop a critical understanding of its impact on daily life and the wider world

At St Andrew's CE Primary School, we are committed to creating life-long learners who will be equipped with the knowledge, skills and drive to contribute positively to an ever-changing world.