

Walton CEVC Primary School

'Every Child, Every Chance, Every Day'

OVERVIEW OF DESIGN TECHNOLOGY



Why this subject is important in our school:

We teach Design Technology to the pupils in our school as it;

- requires creativity and imagination to be able to design and make products that solve real and relevant problems within a variety of contexts, considering their own and others' needs, wants and values.
- teaches how to take risks, become resourceful, innovative, and enterprising
- develops the creative, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world
- builds and applies a repertoire of knowledge, understanding and skills in order to design and make prototypes and products for a wide range of users
- enables evaluating and testing of ideas and products of pupils own work and that of others.
- develops understanding and application of the principles of nutrition and learning how to cook.

How we will measure Impact:

By the time pupils leave our school, they will have experienced opportunities to use a range of materials in Design Technology. They will develop skills across a range of design techniques linked to the KS1 and KS2 programmes of study.

Design Technology will be used as a means of pupils developing personal skills such as creativity, independence, problem solving and collaboration, enabling pupils of all abilities to succeed in some aspect of DT. It will also enhance the curriculum as evidenced in topic books and displays.

How this subject is organised in our school:

We follow the National Curriculum for Design Technology. Pupils design products with a purpose in mind and an intended user of the products. Food technology is implemented across the school with children developing an understanding of where food comes from, the importance of a varied and healthy diet and how to prepare this. A two year rolling programme (KS2) and single year programme in KS1 ensures coverage and the development of skills in DT throughout the school. Projects are linked to topics where appropriate.

Key Stage One- Skills covered;

- Textiles
- Food
- Mechanisms
- Structure

Key Stage 2- Skills covered;

- Structures
- Cooking and Nutrition
- Electrical Systems
- Frame Structures
- Textiles

For each project, the following stages will be covered;

- **Design:** Purposeful, functional and appealing products based on design criteria
- **Make:** Choose and use a range of tools and equipment to perform practical tasks
- **Evaluate:** Explore and evaluate a range of existing products against design criteria
- **Technical Knowledge:** demonstrate application of skills taught

