



Backworth Park Primary School Intent and Implementation Statement Design Technology

Intent

In Design Technology, we encourage children to use their imagination and creativity to design and make products that can solve real life problems by considering the needs of those who will use them. We aim to link learning between subjects, such as Maths, Science, Computing and Art and utilise skills from across these areas. The children are encouraged to become inventors, innovators and risk-takers as they build up their confidence with using a variety of tools and materials that are fit for purpose. We aim for children to become critical thinkers who can communicate their ideas clearly and evaluate the effectiveness of designs using appropriate technical vocabulary.

Implementation

Our curriculum is based around progressive development of the knowledge, understanding and skills needed to create a given product. Our teaching of design and technology is based on three key components:

Design

Pupils design purposeful, functional, appealing products for themselves and other users based on design criteria that are fit for purpose and aimed at particular groups or individuals. Children work collaboratively to strengthen their design proposals and use technical vocabulary to communicate their ideas.

Make

Pupils can confidently select from and use a range of tools and equipment to perform practical tasks. They use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics and functional properties.

Evaluate

Pupils explore, evaluate, investigate and analyse a range of existing products. They evaluate their ideas and products against design criteria and consider the views of others to improve their work.

Cooking and Nutrition

By delivering cooking and nutrition through Design and Technology we are equipping our pupils with the knowledge, skills, and confidence to make healthy food choices, understand where food comes from, and develop practical life skills that promote independence and wellbeing.

Children are taught to prepare a variety of dishes safely and hygienically, explore ingredients from different cultures, and apply principles of healthy eating within their design projects. Lessons are carefully sequenced to build skills over time, supported by cross-curricular links with Science, PSHE, and Geography.