

Furness Vale Primary and Nursery School



Design Technology



INTENT

At Furness Vale Primary and Nursery School, Design and Technology focusses on planning, designing and creating. Design Technology is an inspiring and practical subject. It can be found in many of the objects children use each day and is part of children's experiences. We aim to provide children with the skills to enable them to 'learn to think' creatively and implement the use of their imaginations to design and make products which solve real and relevant problems within a variety of contexts. Our children will be given the opportunity to explore, reflect and evaluate their work in the hope they will become problem solvers in their own right. As an inspiring and practical subject, we intend to prepare children to deal with the ever changing technological world, encouraging them to become creative and resourceful problems solvers, working both independently and as members of a team.

IMPLEMENTATION

The Design Technology teaching throughout Furness Vale Primary and Nursery School follows the National Curriculum design, make and evaluate cycle. Through this our children acquire a broad range of technical knowledge and vocabulary whilst also linking these to other areas of the curriculum. Our children will learn to design and make through a variety of creative and practical activities.

The children's designs will be based upon real life and relevant contexts. They will design with a purpose and an intended user of the products in mind. Children will use research and develop understanding of the design criteria to produce innovative products. Planning is through a variety of formats such as sketches, drawings, discussions as a class or within a team. In some cases, designs will be computer aided. Children will be provided with a wide range of tools, materials and components which provides them with the understanding, knowledge and skills to produce products for a range of users. Through topic subjects, children will be taught how to plan, prepare and make nutritional meals through the understanding of where food comes from, the seasonality of some produce and the need for a healthy and varied diets.

Children will learn how to test and evaluate their designs and products. They investigate and analyse a range of existing products for understanding of why and where their ideas originated from. Children will learn to evaluate their own work against their design criteria and reflect upon the views of others, in order to improve their own work.

IMPACT

The impact of the teaching of Design Technology is assessed in a number of ways. Formal assessment by recording in books, photographic and video evidence will be used. Careful questioning and planning for child led discussions are used as methods of measuring impact.

By Year 6, the children will have experience of;

- Following the design, make and evaluate process.
- Solving real life practical problems using innovation and creativity, both as an individual and as part of a group.
- Choosing from and using a growing range of tools and materials.
- Using and understanding richer technical vocabulary associated with Design Technology.
- Preparing a range of healthy, varied and nutritious dishes.
- Evaluating and reflecting upon their own designs and the designs of others.
- Building on the views of others to improve their own work.