

Design Technology

Long Term Plan – EYFS/KS1 National Curriculum

Early Years Foundation Stage

During the EYFS pupils explore and use a variety of media and materials through a combination of child initiated and adult directed activities. They have the opportunities to learn to:

1. Use different media and materials to express their own ideas
2. Use what they have learnt about media and materials in original ways, thinking about form, function and purpose
3. Make plans and construct with a purpose in mind using a variety of resources
4. Develop skills to use simple tools and techniques appropriately, effectively and safely
5. Select appropriate resources for a product and adapt their work where necessary
6. Cook and prepare food adhering to good health and hygiene routines

National Curriculum requirements at Key Stage 1

When designing and making, pupils should be taught to:

Design

1. Design purposeful, functional, appealing products for themselves and other users based on design criteria
2. Generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology

Make

1. Select from and use a range of tools and equipment to perform practical tasks, (or example, cutting, shaping, joining and finishing)
2. Select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics

Evaluate

1. Explore and evaluate a range of existing products
2. Evaluate their ideas and products against design criteria

Technical knowledge

1. Build structures, exploring how they can be made stronger, stiffer and more stable
2. Explore and use mechanisms, (for example levers, sliders, wheels and axles), in their products.

National Curriculum requirements for food and Nutrition at KS1

As part of their work with food, pupils should be taught how to cook and apply the principles of nutrition and healthy eating. Instilling a love of cooking in pupils will also open a door to one of the great expressions of human creativity. Learning how to cook is a crucial life skill that enables pupils to feed themselves and others affordably and well, now and in later life.

Pupils should be taught to:

- use the basic principles of a healthy and varied diet to prepare dishes
- understand where food comes from.