

Textiles - Sewing

Collect and annotate images of products.

Collect ideas from variety of sources and plan work

Draw or sketch products to help analyse and understand how products are made.

Measure, mark out, cut and shape a range of materials, and assemble, join and combine components and materials accurately.

Year 4 Design

Food Technology Bread

Investigate different flavours and textures of food

Work hygienically and safely. (Including using kitchen equipment)

Practise different techniques

Design and create own bread

Evaluate their work.

Electrical systems -Torches

Collect different examples of torches from different sources.

Complete focused tasks including recapping how to make simple circuits. Investigate the use of different materials to make switches. Solve problems related to why a circuit will not work and test ideas.

Make annotated drawings showing features.

Select and use materials and equipment safely. Measure, mark out, cut, join and assemble product. Apply finishing touches.

Evaluate own work and that of others.

National curriculum requirements (KS2)

Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design

Select from and use a wider range of tools and equipment to perform practical tasks accurately

Select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities

Investigate and analyse a range of existing products

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

Understand how key events and individuals in design and technology have helped shape the world

Apply their understanding of how to strengthen, stiffen and reinforce more complex structures

Understand and use mechanical systems in their products

Understand and use electrical systems in their products

Apply their understanding of computing to program, monitor and control their products.

Understand and apply the principles of a healthy and varied diet

Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques

Understand seasonality, and know where and how a variety of ingredients are grown,

