

Year 5 Design Technology

Moving Toys/Cams and levers

Collect images of similar products and compare the work of others.
Create annotated plans and sketches.
Use measuring, marking, cutting and joining skills to construct a wooden framework.
Explore cam mechanisms - looking at the different movements produced by different styled cams and record observations in books.
Construct cam mechanisms.
Assemble product and apply finishing techniques.
Evaluate finished product and suggest improvements if needed.



Food - Pizza

Taste a variety of different pizzas
Investigate the ingredients used in different products and look at recipes for different types of pizza
Create recipe for own pizza
Prepare and make pizza. (Cooking to be completed by school kitchen)
Work safely and hygienically.
Evaluate work and suggest improvements as needed.

Textiles - Tote bags

Investigate, analyse and evaluate a range of existing products including how they have been constructed and the properties of materials used.
Complete focused tasks including developing and practising threading skills and joining materials using a range of stitches.
Make seams and practise pattern making skills.
Plan and design product using annotated drawings and planned steps
Construct final product
Evaluate finished work and suggest improvements in design or the process of manufacture

National curriculum requirements (whole 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 and ingredients.
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 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.