



YEAR 7

Design Technology works on a rotation system your child will be in the workshop, in the food room or in a classroom studying graphic design or textiles.

Workshop -Skills Project

This term your child will be developing their understanding of Health & safety as well as working with tools and equipment found in a workshop as well as exploring the characteristics and properties of materials.

- Apply knowledge of health and safety to participate in practical safely.
- Develop knowledge and understanding of timber and manufactured boards
- Using a range of wood working tools and equipment
- Create products in timber and manufacturing boards using range of processes
- Evaluation products made against grading criteria

Food Room - Healthy Eating

This term your child will acquire a range of food skills, increasing in complexity and accuracy, to cook a range of dishes, safely and hygienically, and to apply their knowledge of nutrition and food provenance. They will cook the following range of savoury dishes:

- Deli Salad
- Vegetable Soup
- Savoury Crumble
- Pizza Toast
- Fish Goujons
- Milk shake
- Health Flapjack

They will also will

- Develop their knowledge and understanding of ingredients and healthy eating and food provenance.
- Demonstrate food preparation and cooking techniques
- Demonstrate the principles of food hygiene and safety.
- Apply their knowledge to make informed choices.
- Develop their creative, technical and practical expertise needed to perform everyday tasks confidently.



Graphic Design

This term your child will learn about 2D and 3D drawing skills as well as CAD (computer aided design) which is a big part of the manufacturing industry now. They will improve their ability to use drawing tools and equipment giving them an appreciation of the working in the design industry as well as including skills needed for an architect and graphic designer

- Draw simple shapes in isometric, perspective and orthographic projection
- Translate drawings from one style to another.
- Use isometric drawing paper to create 3D shapes
- Apply mathematical skills when measuring and marking out materials.
- Use a range of tools and equipment accurately
- Use annotation with drawings to explain their understanding
- Evaluate their work as it develops and at the end
- Compare their work when evaluating and suggesting ways to improve.

Textiles

This term your child will learn about what textiles is and the different materials that designers work with when making soft products. They will learn about traditional techniques used to construct fabrics and well as their origins. They will develop practical hand sewing skills before making a product. Links to careers in the textiles industry will also be explored.

- Explain the properties and Characteristics of different fibres and fabrics
- Identify and name the range of equipment used when working with fabrics
- Identify, select and use a range of tools and equipment safely
- Apply knowledge of health and safety to participate in practical safely.
- Using a range of tools and equipment. to create samples of sewing and weaving
- Make a product that reflects their culture



YEAR 8

Design Technology works on a rotation system so your child will experience a new area of design technology throughout the year - in the workshop, in the food room or studying graphic design and textiles.

Workshop -Mini Beast Project

This term your child will be developing their understanding of working with tools and equipment found in a workshop as well as exploring the characteristics and properties of natural and manufactured timbers.

- Know and understand the different types of manufactured boards.
- Explain the difference between manufactures boards and natural timbers.
- Explain the advantages and disadvantages of plywood.
- Apply their knowledge of health & safety when using equipment.
- Apply mathematical skills when measuring and marking out materials.
- Use a range of tools and equipment accurately and make a 3D product.
- Evaluate and test their ideas and the work of others

Food Room - Range of savoury dishes

This term your child will build and apply a repertoire of knowledge, understanding and skills in order to create and make recipes and dishes for a wide range of people. They will develop their understanding of working with heat to prepare a range of savoury dishes that involve baking e.g. Cheese scones, variety of breads, Carrot cake, Tuna pasta bake, etc

- Deepen their knowledge and understanding of food and nutrition.
- Deepen their knowledge food provenance.
- Further develop their food skills and techniques.
- Further develop and demonstrate the principles of food hygiene and safety.
- Deepen and apply their knowledge of consumer food and drink choice.
- Develop the creative, technical and practical expertise needed to perform everyday tasks confidently.
- Evaluate and test their ideas and the work of others



Graphic Design

This term your child will be using skills developed in year 7 to design and make a functioning pop-up book based of a story they have created. They will work with papers and boards as well as developing their computer design skills.

They will be able to

- Use a range of research techniques to explore possible book designs.
- Practice sketching techniques, annotating and evaluating each idea.
- Develop a final design idea in relation to the specification. Improving and adapting the idea.
- Use of computer aided design to develop part of their book.
- Demonstrate safe use of tools to be used.
- Develop knowledge and skills to enable the achievement of a high-quality finish in practical work.
- Apply mathematical skills when measuring and marking out materials.

Textiles

This term your child will learn about the categories and properties for various wools, cottons and silk. They also need the skills of measuring and hand sewing/weaving, as well as using specialist tools and equipment. They will acquire knowledge in order experience through the wider remit of textiles (the understanding of where fibres originate and how fabrics are made is fundamental to successful sewing).

They will be able to

- Recall and apply the principles of good health and safety.
- Discuss the sources of a range of natural and man-made fibres.
- Demonstrate a range of practical skills and techniques by adapting and following traditional weaving patterns using appropriate equipment and create complex designs.
- Evaluate practical skills and suggest improvements
- Use of appropriate tools, equipment and materials to achieve a high-quality outcome



YEAR 9

Design Technology works on a rotation system so your child will experience a new area of design technology throughout the year - in the workshop, in the food room or studying graphic design and textiles.

Workshop –Metals: Jewellery Project

This term your child will be developing their understanding of working with tools and equipment found in a workshop as well as exploring the characteristics and properties of metals.

- They will be able to confidently explain the different types of metals
- Explain how to cast pewter metal to make jewellery
- Apply their knowledge of customer needs to design products
- Apply mathematical skills when measuring and marking out materials.
- Use a range of metal work tools and equipment accurately
- Discuss the links to real life and potential career options.

Food Room - Using Heat

This term your child will apply a repertoire of knowledge, understanding and skills in order to create and make recipes and dishes for a wide range of people. They will develop their understanding of working with heat to prepare a range of savoury dishes that involve

- Extend their knowledge and understanding of food, diet and health.
- Extend food preparation and cooking techniques.
- Extend their knowledge of food provenance and consumer information.
- Extend and apply their knowledge of consumer food and drink choice.
- Secure the creative, technical, and practical expertise needed to perform everyday tasks confidently.
- Build and apply an expanding repertoire of knowledge, understanding and skills in order to create and make high quality dishes for a wide range of people.
- Evaluate and test their ideas and the work of others, and make recommendations for improvements

Some of the dishes they will make are

- Risotto
- Fish cakes
- Dutch apple cake
- Thai green curry
- Fajitas
- Samosa
- Foods served at a Festival



Graphic Design - Packaging

This term your child will learn about the material papers and boards. They will understand and use the properties of papers and boards and the performance of these materials to create a product. Creating packaging will show their ability to use drawing tools and equipment giving them an appreciation of the work of designers and architects including skills needed for the publishing industry.

- Discuss the different types of packaging and their uses
- Explain how to design for their intended client/ customer market when creating new products
- Design & create a piece of packaging that functions as intended
- Apply mathematical skills when measuring and modelling ideas
- Test ideas through prototyping and modelling
- Apply a range of Graphics skills showing understanding
- Work papers and boards effectively
- Use of appropriate tools, equipment and materials to achieve a high-quality outcome.

Textiles:

This term your child will learn about the famous designer Dame Vivienne Westwood. A British fashion designer known for her punk and new wave designs in the 1970s and 1980s.

- Discuss the different types of careers in the fashion industry
- Explain how fashion was influenced by Dame Vivienne Westwood.
- Design, create and modernise a T-shirt in the style of Westwood.
- Apply mathematical skills when measuring and modelling ideas
- Apply a range of sewing and embellishment skills showing understanding
- Work fabrics effectively
- Use of appropriate tools, equipment and materials to achieve a high-quality outcome