

# CURRICULUM PROVISION FOR DESIGN TECHNOLOGY

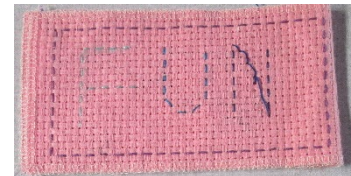
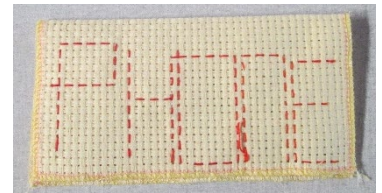
Pupils, within Design and Technology, follow the guidelines stated in the National Curriculum for Design. We have two specialist rooms offering pupils creative and practical opportunities using materials such as food, textiles, wood, metal, plastics and electronics. We also have computer aided equipment including a laser cutter, vinyl sticker cutters and computerised sewing machines.

Pupils in Years 5 experience an hour a week of Design Technology in their class groups. In Year 6 the hour a week is divided between Art and Design Technology over the year. This moves to two hours a week, blocked together in Years 7 & 8, where pupils follow an arrangement each term, rotating between Food / Textiles, Resistant Materials, and Art.

## Year 5 - Term 1 – Textiles

This will include the following skills, knowledge and understanding:

- Investigating materials and fibres,
- Developing ideas,
- Developing needlework skills,
- Designing and Making a phone case,
- Pattern making.



## Year 5 - Term 2 – Food

This will include the following skills, knowledge and understanding:

- Basic Food Room Safety,
- Skills practice,
- Preparing fruit and vegetables,
- Healthy eating,
- Kitchen Hygiene,
- Rice and pasta dishes,
- Seasonal dishes.



## Year 5 - Term 3 – Resistant Materials

This will include the following skills, knowledge and understanding:

- Workshop Safety,
- Designing and Making a key hook,
- Developing ideas,
- Using shaping, forming, joining skills and finishing with natural timber,
- Demonstrating accurate measuring and marking out



## Year 6 – Resistant Materials (1 ½ terms)

This will include the following skills, knowledge and understanding:

- Workshop Safety,
- Designing and Making a message pad holder,
- Designing for users,
- Investigating existing products,
- Developing ideas,
- Modifying existing ideas during manufacture,
- Using shaping, forming, joining skills and finishing with man-made boards,
- Demonstrating accurate measuring and marking out



## Year 7 - Resistant Materials

This will include the following skills, knowledge and understanding:

- Designing and Making a pod product.
- Investigating plastics products and materials,
- Shaping, forming, joining with plastics,
- Demonstrate safe use of machines, scroll saws, pillar drills and sander,
- Selecting tools and techniques,
- Evaluating design decisions,
- Using CAD/CAM to produce stickers.



## Year 7 - Textiles

This will include many of the following skills, knowledge and understanding:

- Designing and making a cushion, ugly doll, bag, or similar item,
- Creating a mood board,
- Using a pattern, pinning and hemming,
- Using fabric paints,
- Using stencils,
- Using a sewing machine,
- Attaching applique and embellishments,
- Using a heat press and sublimation printer,
- Producing quality textiles products.



## Year 8 - Food

This will include the following skills, knowledge and understanding:

- Understanding the importance of food hygiene and safety,
- Learning how to prepare fruit and vegetables safely,
- Designing and making savoury dishes foods,
- Evaluating dishes using a star profile, sensory vocabulary and written evaluation,
- Preparing fillings, thickening sauces, using Smart Materials,
- Understanding The Eatwell Plate and its impact on healthy eating,
- Bread making, Protein and carbohydrate dishes.



## Year 8 – Graphics / Metal

This will include the following skills, knowledge and understanding:

- Basic pencil sketching,
- Learning how to use technical drawing equipment,
- Isometric, Oblique and Perspective drawing systems,
- Accurate representation of three dimensional objects,
- Production of metal photo frame,
- Understanding of metal production,
- Marking out on metals,
- Cutting and shaping of metals
- Metal joining methods,
- Metal finishing,
- Eyeletting,
- Safe working processes.

