

# Design & Technology

Within KS3 Technology students gain the opportunity to develop their skills by designing and making products for themselves, clients and target markets within 4 subject areas: Textiles, Food Technology, Graphics and Product Design. They receive 1 lesson of Food/Textiles and 1 lesson of Product Design/Graphics per week during Key Stage 3. We pride ourselves on combining traditional skills and developing the use of CAD/CAM equipment such as Laser Cutters and 3-d Printers.

In Year 7 Food Technology students are introduced to hygiene and safety in the kitchen, taught about nutrition and healthy eating and they develop their organisational and practical skills. This is developed throughout KS3 three so that in Year 9 they can produce their own recipes to meet a set brief and can plan a healthy menu which showcases their skills.

In Year 7 Textiles the projects give our pupils a taster for Textile Design as they learn how to use a sewing machine, iron and other equipment in our Textiles classroom. Other skills that will be gained include; hand stitching, accurate cutting, drafting simple patterns and Applique. Students develop these skills further through Years 8 & 9 but also experience other skills such as Embroidery, Batik, Sublimation Printing and Pattern Cutting.

The aim is to develop individuals who can think, create and produce products that are well designed and beautifully made. Students are taught in groups of approximately 22; they work individually and co-operatively on a wide variety of projects.

## Year 7

- Product design/Graphics - Packaging design, Insect House, Environment/Sustainability & Simple CAD/electronics.
- Food Technology – Nutrition, Healthy Eating, Independence and Safety in the Kitchen.
- Textiles technology – Crazy Cushions

## Year 8

- Product design/Graphics - USB Light, Mirror, Structures, Technical and Creative Drawing.
- Food Technology – Further Nutrition, Proteins, Carbohydrates, Body Image, Media, Food Foraging/Developing practical skills.
- Textiles technology – The Cube

## Year 9

- Product Design/Graphics – MP3 Speaker/Electronics, Creative Graphics, Mass Production Dog Roll, Creative Design – Tea light Holder.
- Food Technology – Independent Skills via Magazine & Enterprise schemes.
- Textiles Technology – The Wrap Skirt or Graffiti Bag