

## TEXTILES

### YEAR 7

#### SMART Bags

To make their SMART tie dye bag pupils use Thermo-chromic dye to create a pattern that changes colour as the bag gets hot. Pupils also look into other SMART materials to gain an understanding of how modern materials can change lives.

Pupils research existing products to gain an understanding of how designers create products for a range of target markets. They apply this learning when they are designing their own product and produce their own practical solution for a unique bag.

To develop their technical skills pupils learn how to create a range of tie dye patterns and choose their favourite for their own product.

Pupils also learn how to use a range of equipment safely and accurately including sewing needles, pins, fabric scissors, irons and sewing machines.

Pupils finish the project by completing a critical evaluation proposing areas for improvement both in their folder as well as their practical work.



### YEAR 8

#### Creative Cushions

Pupils design and make their own cushion product. They are encouraged to apply their knowledge of materials and techniques previously learned in all areas of Design and Technology, to develop a very unique product. Developing their own proposal for a cushion, through research tasks, they learn to make new products with precision and accuracy. Technical skills are the main focus for the project as pupils explore the use of CAD/CAM, smart materials and also how to insert a fastening to their product. When their product is complete pupils evaluate their design and use of chosen equipment reflecting on the manufacturing process as well as their ability to solve any technical problems they encountered.



### YEAR 9

#### Closet Monsters

Developing knowledge of the 6R's and how to create innovative products from unwanted Textiles is the main focus of this project.

Pupils build up their practical skills through the construction of a felt product, which focuses specifically on accuracy in hand embroidery and creating their own pattern templates.

Then by designing their closet monsters pupils begin to understand how to put life back into unwanted textiles to create a product that is fit for purpose and has minimal impact on the environment.

Pupils learn to become Eco conscious designers through experimentation with Recycled techniques and the manufacture of a unique product such as the monster made out of an old shirt and a pair of socks, illustrated below.

