



Broughton Hall Catholic High School

Art & Design Technology Department

General Overview

The Department intent:

We aspire to develop the visual and kinesthetic creativity of all students through teaching and learning strategies that challenge, inspire and add context to the changing world around us.

We aim to develop the cultural capital of our students both through the lessons we teach and the enrichment opportunities we offer.

We aim to ensure that there is a variety of courses at various levels on offer, which meet the needs and aspirations of all students.

Department Structure:

The Art and design Department at Broughton Hall Catholic High School consists of 10 subject specialists, who work tirelessly to meet our department intent. We have five full-time and five part-time teachers, supported by 3 technicians.

KS3

The National Curriculum is followed and teaching is in mixed ability groups. A carousel format is used to ensure students experience all material areas.

Year 7

Pupils study Art and Design technology subjects twice per week. They will be taught Art, Textiles, Food Technology, Product Design approx. 18 weeks in each subject area. Pupils will have lessons in two subject areas until February and rotate into the additional two subjects areas until July.

Year 8

Pupils study Art and Design Technology three times a week in Year 8. They will be taught Art 2D, Art 3D, Textiles, Food Technology, and Product Design approx. 8 weeks X 3 lessons per week in each subject area.

Year 9

Pupils study Art and Design Technology two lessons per week in Year 9.

Pupils will be taught Art plus one selected subject from Textiles, Food Technology and Product design.

KS4

Art and design technology subjects are extremely successful and a popular option choice at KS4.

The Department delivers GCSEs in Art, Photography, Design Technology and Food and Hospitality. In addition, to support the needs and aspirations of all students, the department delivers two applied courses, BTEC Level 1 / 2 Art & Design in Practice and WJEC level 1 / 2 Certificate Hospitality and Catering. Attainment in subjects is significantly above national expectations.

KS5

At KS5 progression to A Level is good, class sizes exceed 10 in each material area. Pupils follow the Art and Design curriculum. We offer 3 A level choices: Textiles, Fine Art and Photography. We have a number of students who will take 2 of the 3 subjects. Attainment is consistently above national expectations and a number of our students are successfully supported in their post 18 choices, securing places at University Art and design courses.

Accommodation and Resources:

The Art and Design Technology Departments are based in the Design Centre, situated adjacent to the main school building. It comprises designated art, textiles, product design and food rooms, a graphics suite, containing both Apple Macs and PCs. An additional multipurpose room that is used for the delivery of photography and other creative courses.

The department is very well resourced. Equipment has been purchased to ensure pupils are working with state of the art resources, particularly in the area of CAD CAM and e learning. A laser cutter is used in conjunction with 2D design software to allow students, at all key stages, to use computer aided design and manufacture when they design products. The textiles department is well resourced with CAD CAM embroidery machines and over-lockers. All rooms have an interactive Promethean board, a computer for the teacher and a bank of computers for pupil use, including Apple Mac computers.

Extra-Curricular Activities:

All staff organise and deliver lunch time and after school sessions including KS3 Art Club and GCSE and GCE support. To develop the cultural capital of our students the department organises a wide variety of trips to both local and national museums and art galleries and residential courses to support GCSE and A Level students.



<p>Incorporating Other Materials Into My Design...</p> <p>During the process of making my product, I realised that most of the textures used for the sensory elephant were soft textures (felt, soft acrylic and sequins etc.) I knew that my aim was to create a product with a wide range of different textures/features. For this reason, I decided to adapt a few areas of my design to incorporate other textures and components to aid the sensory development of the user more effectively.</p>	<p>Light-Up Features In My Product...</p> <p>1) A small circuit with a diode, battery and a tiny light bulb were connected using electrical conducting thread to a rectangular piece of felt.</p> <p>2) I then joined a small hole into the rear of the felt and pushed the light bulb of the circuit through the back of the fabric secure to the front.</p> <p>3) I then joined a small hole into the rear of the felt and pushed the light bulb of the circuit through the back of the fabric secure to the front.</p> <p>4) I then joined a small hole into the rear of the felt and pushed the light bulb of the circuit through the back of the fabric secure to the front.</p>	<p>Electrical conducting thread is used in the same way as normal thread. The thread will pass through the felt using straight hand stitch and then passed through the metal disc battery holder in the same method for attaching a button to fabric to complete the circuit.</p>
<p>Designing and Making My Acrylic Elephant...</p> <p>1) I identified by finding an image of a cartoon elephant outline on the internet that matched my design for the acrylic elephant I wanted to create.</p> <p>2) I then removed the background of the image using the 'Vectorize Image' feature in the 2D Design programme.</p> <p>3) I then removed the elephant image's outline size their adjusted to make the image as clear as possible.</p> <p>4) I then removed the background of the image using the 'Vectorize Image' feature in the 2D Design programme.</p> <p>5) I then removed the elephant image's outline size their adjusted to make the image as clear as possible.</p>	<p>My Working Drawing & Manufacturing Specifications</p> <p>Public Description: Fabric used for sensory: Cotton Polyester Blend Fabric used for back of pleated and side panels: Cotton Polyester Blend Other materials used: Felt, Soft Texture (Acrylic and Sequins)</p> <p>Components: Sensory panels: Felt, Acrylic (soft/hard texture), Ribbon, Sewable, Light Bulb and Disc Battery Circuit</p> <p>Final Label: Do not wash, detergent lights will damage.</p> <p>Final Label: Do not wash, detergent lights will damage.</p>	<p>Which Details: Areas seen on machine plan were used. Areas hand sewn straight stitch and button cloth used. Colour of thread. Stitch and what size being used, but always remained within the colour palette of the African Culture theme.</p>



Final Product

For the final decoration of my African lady design, I have attached balls to the sides of her face to mimic the appearance of earrings. I used balls with small pieces of string on them, which allowed me to attach them to the fabric by sewing them down with reverse stitch on a sewing machine to secure them down. When the parcel moves, the balls ring, adding another sensory element to the product to meet my brief of a product that aids sensory development for users with disabilities.

Picture below shows strips of Velcro attached to the side panel.

Picture on the left shows the final outcome of the light-up line applique feature with the circuit enclosed sewn into the back of the parcel.

Picture on the right shows the final outcome of my acrylic elephant keyring attached to my ribbon applique pocket square.

The above photographs show the finished product attached to a chair in order to model the way in which it would be attached to a wheelchair - using the Velcro side panels I have created. I have not yet tested whether the product fits over a wheelchair. However, as the measurements of the chair I have used are the same as the wheelchairs used by my client at Clare House, I know that the product will function successfully.

I have also tested the Velcro attachments I have made by looping them around the arms of the chair. By attaching a long strip of Velcro, I have made the attachment adjustable depending on the size of the arms of the seat. For this reason, I am sure that the product will fit around the arms of a wheelchair as the size of the strips can be modified depending on the size of the arms.

