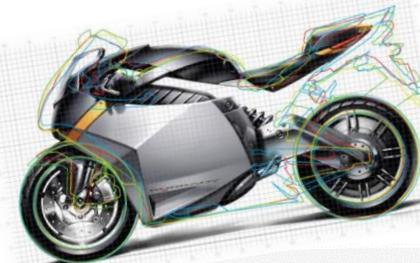
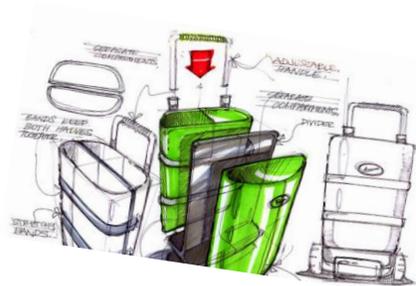
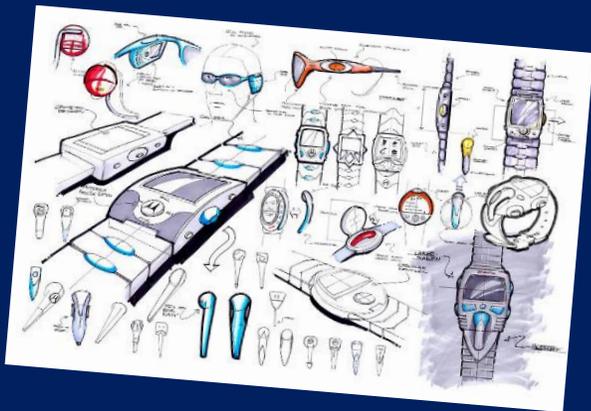




WWW.BENTONPARK.ORG.UK
@BENTONPARKSCH



GCSE D&T: Textiles

AQA



CREATING A CLIMATE FOR GREAT LEARNING, SUCCESS AND OPPORTUNITY



One GCSE – Two different pathways

Product Design

- Learn core designing and making knowledge across a range of materials
- Specialist knowledge in the use of resistant materials
 - Timbers
 - Metals
 - Polymers
- Design and make using resistant materials

Textiles

- Learn core designing and making knowledge across a range of materials
- Specialist knowledge in textiles
- Design and make using a range of different fabrics
- Learn about a range of textile manufacturing processes



Why study GCSE D&T?

- Gain a wide range of skills – Prepares you for numerous careers
- Develop your own ideas and make them real – not just on paper!
- Realise your ideas using a wide variety of materials & techniques
- Learn to work with a wide range of different tools and materials
- Learn to develop concepts through modelling and experimentation – Iterative design & problem solving
- Develop an understanding of the science behind the products we use every day

Course Structure: Year 10 Textiles

- Year 10 will give you the opportunity to develop your knowledge together with the ability to work with a range of different materials.
- This will be achieved through a mix of design work, development, practical work and theory lessons with a focus on learning about and working with textiles
- You will get the opportunity to develop your knowledge together with the ability to work with a range of different materials.
- This will be achieved through a mix of design work, development, practical work and theory lessons.



Draw String Bag



PJ Shorts

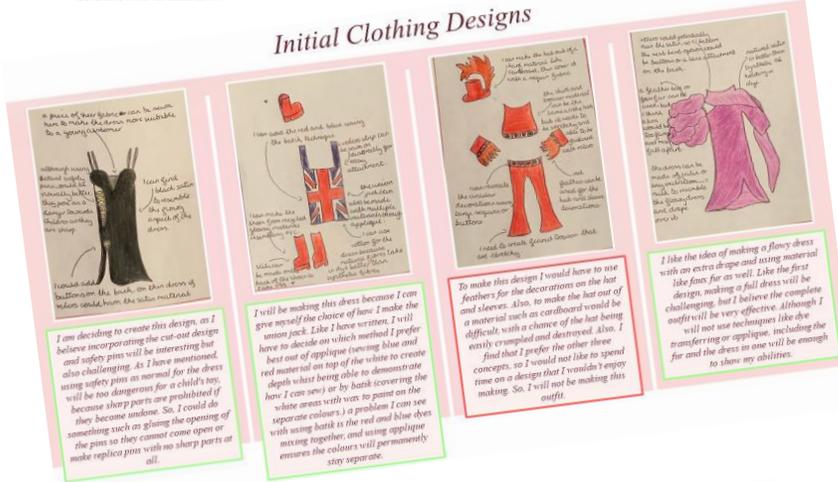


T-shirt Design



CREATING A CLIMATE FOR GREAT LEARNING, SUCCESS AND OPPORTUNITY

Course Structure: Year 11 Textiles



- Continue to develop your skills and knowledge
- As with product design, a 30-35 hour design and make task
- A range of possibilities - e.g.
 - Dresses
 - Child's Doll
 - Textile based book

First concepts:



Design 1 For my first design, I have drawn a corset top inspired by the waistcoats worn in traditional Tenerife outfits. It has an embroidery design on the main body and will be tied and tightened at the front by a red ribbon, meaning it is accessible for different body types. The edges will also have red ribbon and lace sewn on with bows at the top. This is a good design because it is a popular style and is very detailed; orange and white stripes, similar to the aprons and petticoats. I believe people would find it uncomfortable or impractical if they only want to buy something casual, and it could be difficult to make because the materials would be harder to find and use.

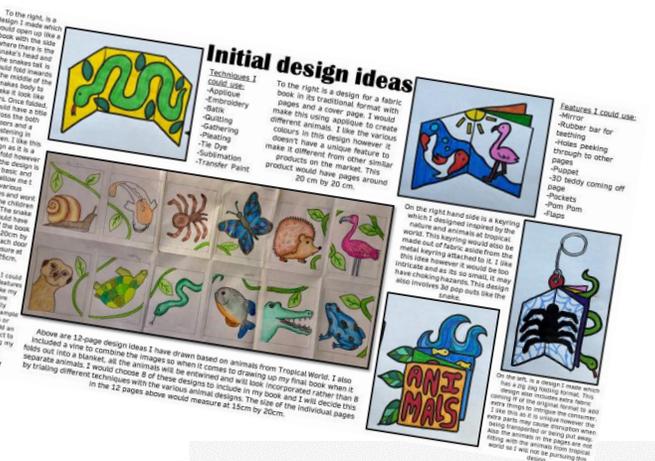


Design 2 For the second design, I have created a tight mini dress inspired by the skirt of traditional Tenerife dress and festival outfits in the Canary Islands. The straps will tie with a red bow, based on the bows from the petticoat and apron. In addition to the dress being made of stretch cotton and have tassels on the bottom of the dress to make it flow and stand out, perfect for a party or festival. I feel many teenage girls or women would want to wear this because it is vibrant and fun. However, it could be difficult to find the correct colours for the stripes, and some customers could think that the tassels are impractical.

Design 3 For my third design, I have drawn a petticoat worn in summer dress inspired by the petticoats worn in traditional Tenerife outfits. It has a square neckline and puffed sleeves, lined with red ribbon and tied with white lace, similar to traditional aprons. There will be red bows dotted around the skirt, and the hem will be lined with more red ribbons. It could be worn as a summer dress by a child or a young girl for a special occasion, but it is a great design because it has a large target audience and is simple but still fashionable; however, it could only wear suitable for a few occasions because it is white and made for warm weather.



Design 4 For the fourth design, I have drawn some paper bag style trousers with a colourful design. The waist is tied with a red bow, symbolising the wide flared skirts. The patterns include vertical stripes in traditional Tenerife colours and red horizontal lines surrounded by white to represent the petticoats. I will use a soft, breathable material so that the trousers can be worn in summer or on holidays. Anyone could wear them as a way to modernise the design and make it more practical for everyday use, although it could be difficult to create a detailed and consistent pattern.



Creating a climate for great learning, success and opportunity



CREATING A CLIMATE FOR GREAT LEARNING,
SUCCESS AND OPPORTUNITY

Course Structure: Year 11 Textiles

Diary of make + Techniques



For one of my pages, I did reverse applique by sewing 4 layers of green fabric with different textures around the edge with a straight stitch. Next, I drew out an outline of a tortoise on the top layer of the fabric and sewed a straight stitch over the top. Finally, I cut out different variety of layers in the different sections so that there are different textures. To finish, I hand embroidered an eye onto the tortoise in black thread.



To make this flamingo, I appliqued the cut out of a flamingo onto some pink fabric and then applique a wing and stuffed it to make it 3d.

Health and Safety is written in bold.

For this page, I tie dyed the fabric in black in a pattern which sort of resembles a web and after it dried, I used stamper and wax to draw an outline of a spider and once it dried, I dyed the inside black so that it turned out as a spider. Some health and safety precautions which must be followed when creating this spider is that you need to be careful when using the hot wax as it may cause burns. This can be prevented by clearing the area and wearing gloves.



This is my snail page where I applique the base of the snail onto a beige colour fabric. I then cut out a shell shape with a zig zag fabric. I then used the sewing machine with the shell to sew a spiral onto the shell. I then mimicked the shape of the beige fabric but applied that onto the shell and added a small gap to add stuffing and a rattle. Finally, I sewed up the edge and added an eye with hand embroidery.



In my fish page I pleated some blue fabric to imitate the look of waves. Next, I gathered 2 fabrics, one soft off white and the other a bumpy orange texture. I then appliqued it onto the pleated fabric using range thread in a zig zag stitch. Afterwards, I hand embroidered a black eye onto the fish to make it look more recognisable. Whenever you use the sewing machine, it is important to be your hair back and take off your tie or other clothing or accessories which may get in the way and get caught in the machine.

To create the page with a frog on it, I painted out a frog using transfer paint on a piece of paper in flipped horizontally and then I used the heat press to print it onto a piece of polyester so that it printed correctly. As this image was all in one colour, I watered down the transfer paint in certain parts to make it lighter than others. When using the heat press, you need to be cautious as it could cause burns due to its high temperature. Also, there may be a risk of trapping your finger in the press. These hazards could be reduced by tying your hair back to make sure your hair doesn't block your view and also act slowly when using the heat press.



For my butterfly wings, I wanted to tie dye my fabric purple however we had no purple so I experimented mixing blue and red/pink dyes to try make purple however they didn't come out the shade I wanted. I then used purple transfer paint and watered it down to get a lighter shade which worked out well for the colour I wanted. Then I drew out a template for my wings and cut it out of my fabric ready to sew. In most processes, you need to be careful when using the fabric scissors because they could cause a cut.

For one of my designs, I wanted to do a parrot using transfer paint. However when I used the blue it did not transfer, possibly due to not being mixed. I did a second print at transfer and it came out much better. Next, I cut out the bird with a piece of red fabric and appliqued it onto a piece of red fabric.

Development

I experimented trying out various techniques using the same design so I could see which technique is best suited to this butterfly design and if they would be better suited to a different page.

Below, I applique different types of materials onto a black fabric outline of a butterfly and then applique that onto a green piece of cotton. I used a thicker stitch for the outline to make it bolder and a smaller stitch to outline the details in the middle. An advantage to applique is that I can create a bold outline around the patches which makes the butterfly stand out however a disadvantage to applique is that it is time consuming and due to the amount of stitches, if I go wrong, it can take a lot to unpick.

Applique



For applique

Outside
Width-5
Length-0.5

Inside
Width- 3
Length - 0.5

Tie dye and Embroidery



Reverse Applique

Above, I decided to do reverse applique using different fabrics. I think this will work well for my baby book as it will allow the baby to feel different textures. An advantage to creating reverse applique is that it shows off a variety of textures which is good for my desired product and target audience however a disadvantage is that it doesn't look entirely realistic.



To the left, I tried tie dyeing the fabric in a symmetrical pattern like butterfly's wings but decided it needs an outline therefore I hand embroidered a butterfly shape. One disadvantage of tie-dye is that it is hard to control the pattern so it may not look that good. Also by doing hand embroidery, it can be very time consuming. An advantage of hand embroidering is that I can control the lines I sew.

Transfer Paint



Above, I used to transfer paint to precisely paint out my image. An advantage is that by using transfer paint, I can experiment by trying out gradients in my design. A disadvantage is that there is not a lot of colours available in transfer paint and the colours can sometimes be unpredictable when I put them in the heat press.

To the left, I attempted to do batik however a disadvantage to batik is that it is hard to control the drips of the wax from the tinting so I gather that it would not be the best technique for this design.



CREATING A CLIMATE FOR GREAT LEARNING,
SUCCESS AND OPPORTUNITY

Course Structure: Year 11 Textiles

Images of final product



Here are some images of my final product in order of opening the book. firstly, you see the book folded and tied up with the front cover which I tie dyed and used an cotton fabric which I tie dyed and used an embroidery machine to embroider the title. In the second image, the side profile of the book is visible. To open it, you just untie the bow and take the ribbon out. Next, we have the book unfold once, then the next image is the book unfolded again and again. Finally, we have the final book unfolded.

Test against user

Questions

- 1) Would you spend £15 on this book?
- 2) Does this look like something you buy at Tropical World?
- 3) Is there anything you would change about this product? (if so please state what.)
- 4) What age range would you give this to?
- 5) How often would you use this book/mat/blanket?
- 6) What would you rate this out of 10?

Answers

- 1) a. Yes
b. yes
c. yes
d. yes
- 2) a. yes
b. yes
c. yes
d. no
- 3) a. Maybe
(could have electrical parts in which when you press a button, make a sound)
b. Yes
(Change ribbon to magnet)
c. no
d. no



A, b, c, and d are 4 different people from my target audience



"I gave my granddaughter who is nearly one this children's soft play mat / book and she was very excited and was keen to pull the ribbon. Once opened, Maven immediately was drawn to the butterfly and was squeezing the wings as it made a noise. She liked the feel of the green tortoise as it made a different textures and layers. Maven loved the sensory aspect and wanted to rest her head on the other side of the mat as the fleecy material was comforting. I think it's a great toy for babies and toddlers as there are lots of interactive features and textures for babies to feel which Maven especially enjoyed. Would be great to keep your baby occupied however may need adult supervision to open the book and keep the ribbon out of reach as that may be a hazard to the baby. Other than that there seem to be no other possible hazards so all n all a good fabric toy book."
- Grandma to Maven (Baby in the picture)



How are you assessed?

For both Product Design & Textiles:

- 50% of your grade is determined by your NEA task
- 50% determined by a 2 hour exam at the end of year 11:
 - Core principles – basic knowledge in all areas
 - Specialist technical principles – more detailed knowledge chosen material
 - Designing and making principles – also has some specialist questions



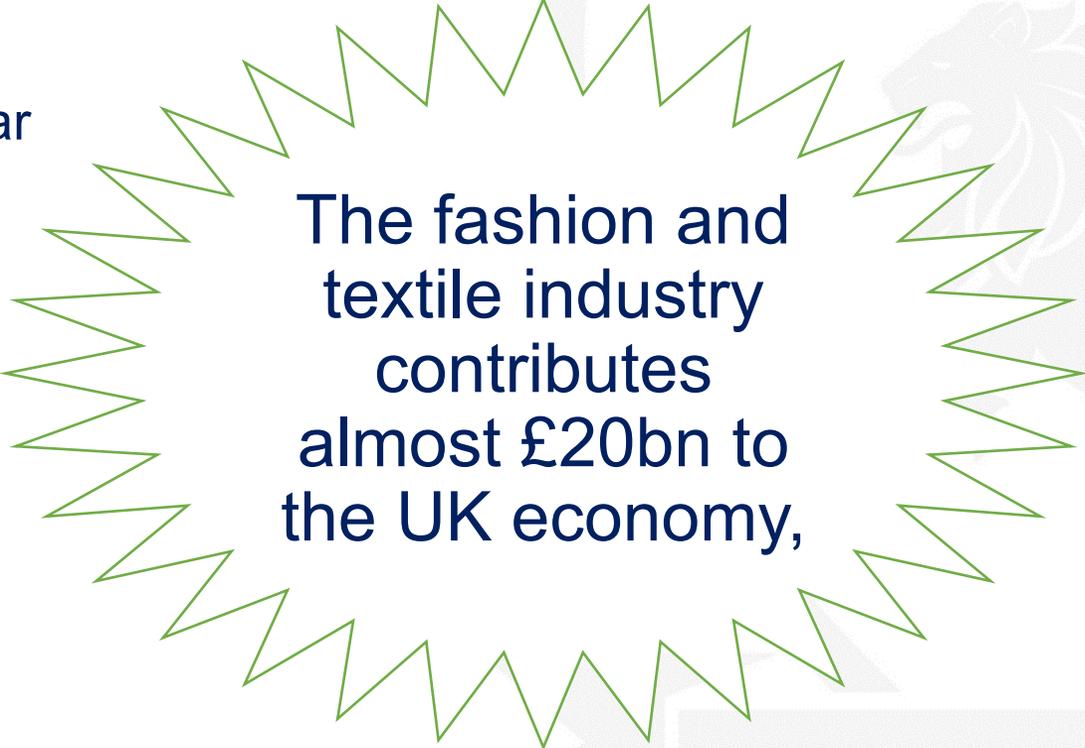
Moving forward - Textiles

Students who are interested in a career in the textiles industry go on to study a variety of degrees at university. If university is not for you there is a range of apprentices available in either the textiles, fashion or the design industry.

Careers in Textiles

- Designer – fashion, textiles, home furnishings, car interior, costume.
- Textile Technologist
- Footwear Manufacturer
- Buyer
- Merchandiser
- Press Assistant
- Fashion Journalist
- Marketing
- Social media

Plus many, many more



The fashion and
textile industry
contributes
almost £20bn to
the UK economy,

Creating a climate for great learning, success and opportunity



If you need any further information...

- Email using the details below
- Have a chat with your D&T teacher
- Come and see us at break time

Product Design	Textiles
Mr Longley – Tom.Longley@Bentonpark.mlt.co.uk Room RM03	Mrs Speight – Kate.Speight@Bentonpark.mlt.co.uk Room TX01