

## Y10 Textiles Technology Schemes of Work 2009 -2010 Term 1

Week	Learning Objectives	Tasks	Resources	Homework
1	To have knowledge of course. To have knowledge of properties and characteristics of fibres - origin, basic composition, physical and aesthetic qualities of natural and synthetic fibres.	Introduce students to the course and outline of the work to be done this term. Show examples of GCSE projects and discuss grades. Research natural and synthetic fabrics used in fashion and furnishings. Complete table	GCSE practical work Worksheet- table on fibres. Computers for possible research.  PLTS: Independent enquirers	
2	Decorating fabrics's - Tie and dye. To describe one basic and one commercial method and one ethnic method	Look at techniques of tie dye	Fabric dye Natural and synthetic fabrics Scissors String Pegs Shells, stones and rice PLTS: Reflective learners	Write up method of tie dye and evaluate the results.
3	Decorating fabrics - Batik	To learn the process of batik and to produce a piece of fabric in that style.	Batik pots Tjanting tools Newspaper Fabric	Write up method of batik and evaluate the results.
4	Decorating fabrics - printing To describe one basic method of commercial printing and one method of mass printing	To learn the basic process of screen-printing. Dem screen-printing some students have a go. To produce a basic stencil and use sponging and screen printing to produce 2 different results.	Screen printing inks Screens, squigges Paper Craft knives  PLTS: Reflective learners	Write up method of printing and evaluate the results.
5	Decorating fabrics -silk painting. To learn about natural fabrics their origin and traditional methods of decoration fabric	Demonstrate silk painting	Wooden screens Silk paints Gutta Pin tacks	Write up method of silk painting and evaluate the results.

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6	Decorating fabrics - embroidery stitches. To learn about and how to select techniques in order to improve the aesthetic qualities of textiles, products and fabrics	Dem a variety of decorative techniques- appliqué, beading, hand embroidery etc	Variety of fabrics Sewing boxes Embroidery threads  PLTS: Reflective learners	Write up method of enhancing fabric and evaluate the results.
7	Fabric enhancement- to layer and decorate fabrics given to produce a fabric sample based on a theme.	Show previous years work. Research the theme. Produce a detailed plan design and decorating work.	Computer suite Fabrics Students work Sketching equipment PLTS: Creative thinkers	Finalise idea to include labels and colour. Bring in an oven glove from home.
8	Fabric combinations-describe how two different fabric combinations can be used to improve the handling, appearance and performance with due regard to safety factors  Interfaced for strength Quilted for extra warmth	Workings in pairs make an oven glove. Product analysis oven glove. Dem pattern making adding seam allowance. Dem pinning and cutting out. Students select one piece of furnishing fabric and one side of calico.	Existing student's oven gloves. Worksheet product analysis Pattern paper Rulers Tape measures Wadding Furnishing fabrics PLTS: Independent enquirers PLTS: Creative thinkers PLTS: Team workers	Decorative sample Wk1
9	To learn the safety rules and regulations of using a sewing machine. To be able to thread it properly and recognise when there is a problem	Dem threading a sewing machine. Each student to thread it themselves. Continue with making their oven glove	Sewing machines Wound bobbins Fabric Sewing box PLTS: Team workers PLTS: Self managers	Decorative sample Wk2
10	Continuation with oven glove project. To understand the concept and importance of flow charts	Finish practical work Begin to fill in flow chart paying close to quality control checks	Sewing machines Wound bobbins Fabric Sewing box Worksheet flow chart PLTS: Team workers	Decorative sample Wk

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11	Continuation with oven glove project. To understand the concept and importance of quality.	Finish practical work Write and evaluation on finished product	Sewing machines Wound bobbins Fabric Sewing box Worksheet evaluation	Decorative sample Wk4
12	To learn about measurements, commercial patterns and their importance in the fashion industry.	Give out pattern sleeves, students find out the info written on them. Working in pairs discovers what the symbols mean and their importance. Wild Ginger pattern making programme Selection of pattern pieces	Commercial patterns Worksheet on pattern symbols and identification. Rulers. Work boxes	Decorative sample Wk5
13	To have knowledge of the workings of the sewing machine knowing how to thread it properly and solve associated problems.	Continue with constructing sleeve/pattern pieces paying attention to Quality control checks and quality assurance. Evaluation and improvements	Commercial patterns Evaluation worksheets. Rulers. Work boxes PLTS: Effective participators	Decorative sample Wk6
14	To understand the need to combine fibres.  To understand woven, knitted and bonded fabrics.	Investigate the advantages of combining fibres in fabrics used for furnishing and fashion textiles. Experiment with weaving and knitting techniques	Knitting needles Looms PLTS: Reflective learners	
15	To understand the need to combine fibres.	Make some felt from raw wool. Method and evaluation	Wool tops soap Old tea towels j- cloths thick plastic bubble wrap PLTS: Effective participators	Write up method and evaluation using technical terminology.

## Y10 Textiles Technology Schemes of Work 2008 -2009 Term 2

Week	Learning objective	Teaching activities	Resources	Homework
16	To develop an understanding of 'smart' fabrics and the technological advances in the textile industry	Watch DVD 'Smart Textiles' Answer question sheet Research the properties of modern fabrics such as Tencel, Tactel and Lycra	DVD Smart Fabrics Worksheet PLTS: Creative thinkers	Smart fabrics sheet
17	Fabric tests - to understand the factors. ie wear ability, warmth, comfort, absorbency, durability, launderability, safety, flammability, stain resistance, visual impact, aesthetic qualities fit for purpose.	Make a wall chart showing examples of the types of textiles in everyday use and those used in a wide range of industries  Experiment with fabric qualities	Variety of fabrics Experiment box PLTS: Team workers	Write up results for experiment Complete wall chart
18	Moral and environmental issues- to understand the moral and environmental issues associated with textiles production, the harmful effects of industrial pollution and the crucial need to treat and dispose of waste materials correctly: appreciate the importance of conservation and protection of natural resources and recycling	Research Green technology and brainstorm ways to lesson textiles pollution.  FPT: Recycle an old white shirt Design work selection of most suitable product	White shirts Equipment boxes PLTS: Reflective learners PLTS: Creative thinkers	Investigate a designer that uses recycled products.
19	As above	Continue with recycling of old shirt	Material as necessary	

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20	Textiles legislation concerning consumer rights and safety codes. Textile labelling.	Worksheet on care and maintenance labels on textiles products. Health and safety legislation	Care labels worksheet Health and safety worksheet  PLTS: Effective participators	
21	Social, cultural and moral issues relating to textile produces.	Group activity on social, cultural and moral issues. Discuss and report back. Worksheets on social ,cultural and moral issues.	PLTS: Effective participators PLTS: Independent enquirers	
22	To investigate patterns using a theme and grid templates.	Students collect research on a Japan. Hand out grid sheets and windows and select 3 views draw using a black pen in the grid system. Experiment with block, half drop, random etc repeats	Card windows Black pens Examples of block repeats Research PLTS: Independent enquirers	Finish off 3 repeat patterns.
23	To learn the importance of research and its significance in the textiles industry. Study fashion trends and assess reasons for popularity within particular age/cultural groups	Issue design brief: Design and make a bag for the teenage market with a Japanese theme.  Produce a questionnaire to establish consumer preferences. Record results on excel. Analyse results and present data using charts, graphs etc	Books on theme. Computers Worksheet on how to write a questionnaire.  PLTS: Self managers PLTS: Independent enquirers PLTS: Team workers	Complete research Bring in a bag to disassemble next week
24	To use ICT and software packages as appropriate research. Wild Ginger Product analysis: to gather relevant information on similar products.	Bag disassembly Example sheets	Bags Worksheets Computers PLTS: Self managers PLTS: Independent enquirers	Design work

Week	Learning objective	Teaching activities	Resources	Homework
25	Look at design work and analyse positives areas or improvements Final design Product specification	Finalise design with emphasis on quality, labelling suitability of design to meet the design brief	Computers Paper Examples of previous students work and grade boundaries PLTS: Self managers	Make a paper model of the bag
26	Selection of appropriate process for own product – select and use the most suitable decorative techniques and equipment to make own bag.	Plan how to make bag Demonstrate range of tools and machinery available. Seam allowance, quality control and quality assurance.	Sewing machines Equipment for decorating fabrics as required Equipment boxes PLTS: Self managers PLTS: Independent enquirers	Produce a flow chart for making the bag.
27	Selection of appropriate process for own product – select and use the most suitable decorative techniques and equipment to make own bag.	FPT: Continue with practical work. Cutting out fabric and decorating it. Dem putting in a zip.	Sewing machines Equipment for decorating fabrics as required Equipment boxes PLTS: Self managers PLTS: Independent enquirers	Continue with practical work
28	Selection of appropriate process for own product – select and use the most suitable decorative techniques and equipment to make own bag.	FPT: Continue with practical work. Decoration and zip insertion	Sewing machines Equipment for decorating fabrics as required Equipment boxes PLTS: Self managers	Continue with practical work
29	Selection of appropriate process for own product – select and use the most suitable decorative techniques and equipment to make own bag.	FPT: Continue with practical work. Construction of bag	Sewing machines Equipment for decorating fabrics as required Equipment boxes PLTS: Self managers	Continue with practical work

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Week	Learning objective	Teaching activities	Resources	Homework
30	Selection of appropriate process for own product – select and use the most suitable decorative techniques and equipment to make own bag.	FPT: Continue with practical work. Construction of bag	Sewing machines Equipment for decorating fabrics as required Equipment boxes PLTS: Reflective learners	Continue with practical work
31	To evaluate and assess standard of coursework and practical work. Discuss levels and qualities to achieve levels.	Evaluation Check all coursework for the project is complete.	Worksheets PLTS: Effective participators	
32	To commence GCSE project To have knowledge of previous students grades for coursework and practical work	Show examples of past work discuss grades. Give out photocopied sheets of work in pairs guess grades. Discuss Give out design briefs. Students to chose one.	Students work GCSE worksheets GCSE design brief sheets PLTS: Effective participators	Select one brief and start collecting pictures of the theme and product.
33	To explore different techniques on how to present students coursework. To collect information on their chosen theme and product	Show examples of how students have presented their work. Professional look and continuity.	Watercolour paints, chalk, oil pastels, coloured paper etc.  PLTS: Effective participators	Collect images of people who would use their product
34	Design brief and task analysis	Students design 1 <sup>st</sup> page of their coursework and analysis the design brief. Start making their mood board	Worksheets Fabric boxes, braids, buttons etc Computer room PLTS: Reflective learners	Continue to collect research for their project.

Week	Learning objective	Teaching activities	Resources	Homework
35	To create a mood board based on design brief	Show examples of mood boards and discuss grades	Examples of mood boards Worksheets Fabric boxes, braids, buttons etc	Bring in a product similar to the one students want to make ready for disassembly.
36	To visually disassemble a product looking at detail such as function, aesthetics, size, components etc	Why is it important to disassemble a product, what are the benefits. Remember to add detail and technical language	Disassembly help sheets PLTS: Effective participators PLTS: Reflective learners	Research existing projects and finish off any class work.
37	To create a User profile to show what sort of people would buy the products	Information to be included i.e. joyall	Existing user profiles PLTS: Self managers	Research existing projects and finish off any class work.
38	To show the importance of looking at existing products on the market and their relevance to the projects	Show different ways of presenting their work and what information needs to be included.	Computers Magazines Existing work PLTS: Self managers	Finish off any class work.
39	To encourage students to think outside the box and think about pattern research using windows and their mood boards for inspiration	Show examples of pattern research block, half drop etc	Cardboard windows Mood boards PLTS: Self managers PLTS: Creative thinkers	Finish off any class work.
40	To look at all research done and analysis their findings	Show examples Q & A what have students discovered through doing their research.	Worksheets	Finish off any class work.
41	To write a design specification based on knowledge of project.	What is a design spec and why is it so important, relate to mobile phone specs etc what criteria do students look for in a new phone.	Design spec worksheets  PLTS: Reflective learners	Finish off any class work over the holidays start collecting fabric and components ready to start making.