



DT Textiles KS3 and KS4

Year	Project	Knowledge / Theory	Assessment
7	Kite	<ul style="list-style-type: none"> • H&S in the workshop • What is DT Textiles? • Introduction to sewing machines • Machine stitches • Man-made fibres • Properties and uses • Measuring / seam allowances • Marking • Key words • Quality control • Evaluation 	<ul style="list-style-type: none"> • Continual verbal feedback • 3 pieces of written feedback to students • 2 sewing tests • Assessment through Q&A • Overall teacher comment
	Understanding fibres	<ul style="list-style-type: none"> • Natural fibres • Modern materials • Properties • Polymers • Regenerated fibres • Woven, knitted and bonded fabrics • Yarn production • Introduction to dyes • Introduction to printing 	<ul style="list-style-type: none"> • Peer assessment • Assessment through Q&A
8	Textiles entrepreneurs Bag for life	<ul style="list-style-type: none"> • Sustainability • Target markets • Product analysis • Ergonomics • Batch production • Design briefs • Design specifications • Designing skills • Team work • Planning / deadlines • Order of work • Presentation (group) • Decorative techniques • Intro to pattern cutting • Quality control • Testing • Costing • Evaluation 	<ul style="list-style-type: none"> • Continual verbal feedback • 3 pieces of written feedback to students • Assessment through Q&A • Peer assessment
	The True Cost of Technology	<ul style="list-style-type: none"> • Fashion and Textiles and the environment • Fast fashion • Organic materials • Fair trade / ethical trading 	<ul style="list-style-type: none"> • Peer assessment • 1 x booklet, homework with written feedback



		<ul style="list-style-type: none"> • Mass production • The 6 R's of sustainability • Problem solving • Design solutions • Ethical, moral and social issues 	
9	Gadget cushion	<ul style="list-style-type: none"> • Technology • Product analysis • Design specification • Creative design work • Moodboards • Testing against a spec • Decorative techniques • Change of circumstance • Stitch investigation and analysis • CAD print repeats • Prototypes • Pattern cutting • Manufacture • Order of work • Costing • Product life cycle • Testing • Evaluation 	<ul style="list-style-type: none"> • Continual verbal feedback • Q&A to assess • 3 pieces of marked work by teacher. • Peer assessment.
	Triathlete design challenge	<ul style="list-style-type: none"> • Research • Design for need • Problem solving • Team work • Smart materials • ACCESSFM • Working to a specific brief 	<ul style="list-style-type: none"> • Verbal feedback • Booklet with written feedback
10	Samples	<ul style="list-style-type: none"> • Construction techniques 	<ul style="list-style-type: none"> • Continual verbal feedback • Folder of work with written feedback • 4 pieces of written feedback
	Components	<ul style="list-style-type: none"> • Polymers • Joining materials 	<ul style="list-style-type: none"> • To be added to folder of work with written feedback
	Wooden clutch bag	<ul style="list-style-type: none"> • Hardwoods and softwoods • Manufactured boards 	<ul style="list-style-type: none"> • 3 pieces of written feedback • Continual verbal feedback
	Metals exploration	<ul style="list-style-type: none"> • Cutting metal • Finishing metal 	<ul style="list-style-type: none"> • To be added to folder of work with written feedback • Continual verbal feedback
	Embroider a selfie. Sample folder	<ul style="list-style-type: none"> • Decorative techniques • Embroidery • Fabric production • Energy sources 	<ul style="list-style-type: none"> • 5 pieces of written feedback • Continual verbal feedback
	Insulated lunch bag	<ul style="list-style-type: none"> • Smart materials • CAD/CAM • Designers 	<ul style="list-style-type: none"> • 3 pieces of written feedback • Continual verbal feedback



	Mechanisms Sewing machines	<ul style="list-style-type: none"> • Motion and levers • Cams and followers • Gears • Mechanisms and maths 	<ul style="list-style-type: none"> • 8 pieces of written feedback • Continual verbal feedback
	Concrete tealight holders	<ul style="list-style-type: none"> • Composites • How to make concrete 	<ul style="list-style-type: none"> • 2 pieces of written feedback • Continual verbal feedback
	Paper dress	<ul style="list-style-type: none"> • Papers and boards • Modern materials 	<ul style="list-style-type: none"> • 2 pieces of written feedback • Continual verbal feedback
	Tatty Divine jewellery	<ul style="list-style-type: none"> • Plastics • How plastics are made • Mill and lathe 	<ul style="list-style-type: none"> • 3 pieces of written feedback • Continual verbal feedback
	Dog coat	<ul style="list-style-type: none"> • New and emerging technologies • Developing practical skills • Combining different materials • Electronics 	<ul style="list-style-type: none"> • 5 pieces of written feedback • Continual verbal feedback
	NEA	<ul style="list-style-type: none"> • Design brief • Research • Specification • Design ideas 	<ul style="list-style-type: none"> • Continual verbal feedback
11	NEA	<ul style="list-style-type: none"> • Selection and rejection of ideas • Development • Product manufacture • Working drawings • Testing and evaluating 	<ul style="list-style-type: none"> • Continual verbal feedback
	Theory	<ul style="list-style-type: none"> • Forces and stresses • Plastics processes • Systems • Electronics systems • Timber • Ecological and social footprint • Sustainable design • Scales of production • Technical textiles and materials properties definitions • Textiles processes • Textiles stockforms • Design process • Graphics skills 	<ul style="list-style-type: none"> • Weekly homework assessing theory with written feedback. • Test papers X12 February half term onwards • Continual verbal feedback