D.T. Overview TEXTILES

		FOUNDATION	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
UNIT		Placemat mat	Safety jacket	Pencil Case	Christmas decoration	Roman coin purse	Wall hanging	Bag
Design	**User Purpose Functionality Authenticity**	A placemat for teddy for a picnic (*story character*) – shape and fit, appropriate material	A safety jacket for a teddy bear to be seen at night (*imaginary*) – visibility, shape and fit	A pencil case to hold pencils and be instantly recognisable (*themselves)* – closable container with flap	A Christmas decoration for elderly in the local care home *(wider community)* – decorative, durability, can be hung	A coin purse for *Roman era* to carry money – closable container with drawstring	A wall hanging for *family member* – decorative, can be hung with pockets	A bag for *themselves* to use at Fairthorne – make their own pattern

Environmentall friendly bag |
| | **Design decisions** | Oral descriptions and paper models | Identify design criteria and evaluate drawn plans against it
Paper template for size and shape | Drawn plans
Draw plans on Paintz on ipads (IT) | Identify needs and preferences of the care home
Using patterns/stencils for traditional Christmas shapes and colours | Automated Sketchbook on ipads (IT)
Annotate with reasons for design choices
Fit for purpose
Drawstring | Tinkercad on ipads (Computer Aided Design CAD) | Automated Sketchbook on ipads (IT) with hand-written edits
Tinkercad (Computer Aided Design CAD)
Exploded diagram
Fit for purpose |
| | **Innovation** | Materials and shape | Choice of product type *Waistcoat, tabard, jacket* | Finishing for pencil case *Flap design, embellishments* | Design own template
Sewing on decoration | Shape and decorative stitching | Design backing material to hold pocket (Art & Design) pocket design buttons/fastenings sewing on button | Shape and personal design of compartments *money belt, pyjama case, medicine bag, kit bag, book bag, pen holder, stationery bag, toiletry bag, shoe bag* |
| **Make** | **Materials** | choice of paper/card/plastic construction kits/felt/cotton reusable materials including old clothes for patchwork squares | different fabrics according to material properties e.g. luminous | various fabrics including felt, beads, feathers, gems | buttons (glue on) | various fabrics including hessian
cord/string | various fabrics including donated fabrics
fabric paint/printing ink/ Styrofoam for printing different buttons, thread, ribbon, cord | variety of fabrics including waterproof material reusing old clothes for bag material |
| | **Joining** | gluing (glue stick/PVA with fingers, spreaders), taping (paper masking tape/Sellotape), tying, (string/ribbons/treasury tags/split pins/elastic bands/paper clips) stapling, weaving with paper/fabric | threading (wool)
stapling
overhand knot
poppers and self-adhesive Velcro | overcast stitch
sewing (threader, needles)
fabric glue
Velcro strips | running stitch
Fastenings (loop of ribbon)
seam allowance | back stitch | blanket stitch
buttons | cross stitch |
| | **Separating** | tearing, cutting (sprung easy grip and basic scissors), making holes (hole punchers, pencils) | cutting felt | reinforced safety scissors
fabric scissors | | | | |
| | **Shaping** | | template
marking out | cutting out card for prototype (safety scissors)
cutting a pattern in edge of fabric | wadding
cutting folded material using fabric scissors | | | using own template for final design detail/pattern |
| | **Measuring** | Comparison and estimation | | To the nearest cm (ruler) | | | To the nearest mm (ruler) | To the nearest mm (measuring tape) |

D.T. Overview TEXTILES

		FS	Y1	Y2	Y3	Y4	Y5	Y6
	Finishing	Gluing on ready-made items (felt shapes, sequins)	Reflective strips	cutting pattern onto material gems	stitching beads/sequins onto product	accurate stitching for even edges decorative stitching on the edges	decorative stitching buttons and fastenings and fabric	decorative stitching – cross stitch
	Safety	Use and storage of sharp items - scissors		Use and storage of sharp items – fabric scissors				Use and storage of needles and scissors
Evaluate	**Existing products**	safety and stability material and design	movement and ability to move comfortably appeal for user fastenings	choice of materials unique design and finishing prototype	photos of original artefacts range of different stitching to join materials Key individuals – Victorians at Christmas; tree brought from Germany by Prince Albert	Key events – Roman era (History link)	Existing shapes and design use of colour, pattern, pocket and button design	Evaluate against own design criteria Range of embroidered designs Key events – invention of sewing machine, factories, development of docks and trade (Victorians)
	Own product	Orally - likes/dislikes, what would be changed next time	Against design criteria - checklist	Fit for purpose	Peer feedback	Use in class on Roman Day Feedback – observations to identify improvements	Discussion with user Use of verbal feedback to make improvements	Test and assess Peer feedback
Vocabulary		plan/design/mould/model/test plastic/fabric/felt/cotton join/separate/fix/attach thread/hole punch/PVA glue/masking tape/treasury tag/split pin decoration/pompoms/sequins stable/wide base/collapse review	marking out staples/stapler luminous reflective evaluate template waistcoat/tabard/jacket overhand knot Velcro fastener	stitching/sewing overcast stitch needle threader embellish/gems	wadding seam allowance preference research running stitch beads hook loop	back stitch drawstring prototype	finish blanket stitch cross stitch for sewing on buttons mark out fraying hanger	embroidery sustainability environmentally friendly
Joining		🟩	🟩	🟩	🟩	🟩	🟩	🟩
Separating (scissors)		🟩	🟩	🟩	🟩	🟩	🟩	🟩
Measuring		🟩	🟩	🟩	🟩	🟩	🟩	🟩
Threading			🟩	🟩	🟩	🟩	🟩	🟩
Overhand knot			🟩	🟩	🟩	🟩	🟩	🟩
Overcast stitch				🟩	🟩	🟩	🟩	🟩
Running stitch					🟩	🟩	🟩	🟩
Back stitch						🟩	🟩	🟩
Blanket stitch							🟩	🟩
Cross stitch								🟩