

Subject: DT

Year group: 4

Term: Summer

Unit name: Textiles- 2D shape to 3D product

**Prior Knowledge –**

- Have joined fabric in simple ways by gluing and stitching.
- Have used simple patterns and templates for marking out.
- Have evaluated a range of textile products.

**Design Process**

Investigative and Evaluative Activities (IEAs)

Focused Tasks (FTs) *To include a prototype*

Design, Make and Evaluate Assignment (DMEA)

**National curriculum- technical knowledge**













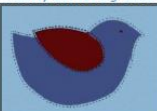

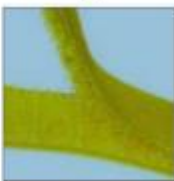
- DESIGN- generate, develop, model and communication their ideas through discussion, annotated sketches, prototypes and pattern pieces
- MAKE- select from and use a wider range of tools and equipment to perform practical tasks (cutting, shaping, joining, finishing) accurately
- EVALUATE- investigate and analyse a range of existing products
- TECHNICAL KNOWLEDGE- understand how to strengthen, stiffen and reinforce existing fabrics.

**Key vocabulary**

Fabric	seam
names of fabrics	seam allowance
fastening	user
compartment	purpose
zip	design
button	model
structure	evaluate
finishing technique	prototype
strength	annotated sketch
weakness	functional
stiffening	innovative
templates	investigate
function	label
pattern pieces	drawing
stitch	aesthetics

**Spiritual Development**

DT Gives children the opportunity to work creatively and explore ways to make lives better for those around us. Exodus 34:35 He has filled them with skill to do all kinds of work as engravers, designers, embroiderers in blue, purple and scarlet yarn and fine linen, and weavers—all of them skilled workers and designers.

Joining Techniques	Cutting out techniques	Decorative techniques	Possible fastenings
 Back stitch  Backwards running stitch  Over sew stitch  Blanket stitch  Running stitch	 <p>Ensure template is secured to fabric to allow for accuracy. Double sided tape can be used instead of pins to do this.</p>  <p>Place pattern pieces carefully to avoid wastage.</p>	 Bonded  Woven  Knitted  Felted  Embroidery stitches e.g. cross-stitch  Appliqué by gluing or stitching	 Buttons  Velcro

<b>Key Learning Assessment Statements- what will the children know by the end of the unit?</b>
To explore a range of textile products that have a selection of stitches, joins, fabrics, finishing techniques, fastenings and purposes.
To disassemble textile products to gain an understanding of 3D shape, patterns and seam allowances linked to the product they will design, make and evaluate.
To know about products from the past e.g., the invention of zips and Velcro.
To know how to use a range of stitching techniques to sew two small pieces of fabric together.
To understand how to use a textile product they have taken apart to create a paper pattern using 2-D shapes.
To use a range of decorative finishing techniques e.g. appliqué, embroidery, fabric pens/paints, printing.