



Jerry Clay Academy Subject Knowledge Organiser

Subject: D&T Year Group: 4 Term: Summer

Core Learning of This Unit:

The children will create a **product linked to interior design (e.g. Pillow/cushion)** as part of their **Grand designs theme**.

As part of this, pupils should be able Measure, mark out, cut and shape a range of materials, using appropriate tools, equipment and techniques; join and combine materials and components accurately in temporary and permanent ways; sew using a range of different stitches, weave and knit; measure, tape or pin, cut and join fabric with some accuracy and use simple graphical communication techniques (e.g. to design their product initially and collate ideas)

They will generate ideas, considering the purposes for which they are designing; make labelled drawings from different views showing specific features (e.g. embellishments), develop a clear idea of what has to be done, planning how to use materials, equipment and processes, and suggesting alternative methods of making, if the first attempts fail; evaluate products and identify criteria that can be used for their own designs; they will evaluate their work both during and at the end of the assignment; evaluate their products carrying out appropriate tests.

Prior Learning:

- Select tools and techniques for making their product
- Measure, mark out, cut, score and assemble components with more accuracy
- Work safely and accurately with a range of simple tools
- Think about their ideas as they make progress and be willing change things if this helps them improve their work
- Use finishing techniques strengthen and improve the appearance of their product using a range of equipment

National Curriculum Statements:

- generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design
- investigate and analyse a range of existing products
- evaluate their ideas and products against their own design criteria and consider the views of others to improve their work
 - select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately
 - understand and use mechanical systems in their products [for example, gears, pulleys, linkages]

Key Vocabulary:

Chart/graphs
Bar chart (to show findings)
Adjustments
Alterations
Procedure
Back stitch
Weaving
Hessian
Mesh
Silk
Knitting
Graphical communication
Graphics
Information source
Net
Proportion

Significant People

- **Eva Sonaïke** is a London-based Interiors company specialising in luxury home textiles and soft furnishings with a distinctive and vibrant West-African aesthetic. Driven by her enormous passion for African fabrics and interior design, she set up the company in 2009 with the mission of bringing the vibrancy of African colours and aesthetics to the luxury home-décor and accessories market.