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| St Julie Catholic Primary School - DT | | |
| DT – Autumn Term | Year: 6 | **Unit Title: Textiles an eco-shopping bag.** |



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| Vocabulary | |
| Computer Aided Design | Technology used to design products. |
| Criteria | Precise goals that a project must achieve to be successful. |
| Innovative | Featuring new methods that are advanced and original. |
| Lamination | The layering-up of materials to collectively improve the performance of a product. |
| Functionality | Being suited to serve a purpose. |
| Prototype | The first model of a product. |

**What should I already know?**

* Experience of using 2D & 3D shapes in product construction.
* Experience of using of basic tools e.g., scissors, hole punches with construction materials e.g., combining textiles.
* Experience of different methods of joining textiles Y4 e.g., stitching, finishing techniques.

**Can I make a functional/eco shopping bag for supermarket customers?**

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**Skills recap:**

* select from and use a range of tools and equipment to perform practical tasks e.g., cutting, shaping, joining and finishing.
* select from and use a wide range of materials and textiles according to their characteristics

**DT Skills**

* use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at individuals or groups.
* generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design.

**Curriculum links:**

Mathematics – Use appropriate standard and non-standard measures. Knowledge of 2-D and 3-D shapes & patterns.

Science – Working scientifically, properties of materials, planning an investigation.

Computing – Using computer aided design, selecting and combining software & design to create patterns.

**How do I create an eco-shopping bag?**

1. Can children investigate, analyse and evaluate existing everyday shopping bags?
2. Can children choose appropriate materials and explore different ways of combining them for a particular purpose?
3. Can children draw labelled 2D & 2D diagrams of their designs?
4. Can children follow their designs to create their eco shopping bag?
5. Can children join materials together appropriately to create a functional product?
6. Can children evaluate their product?

**Anya Hindmarch**

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* An eponymous British fashion designer.
* Designs are inspired by functional fashion, design philosophy which is "British, humorous and personalised.”
* Entrepreneurial inspired by .
* Her products have high quality workmanship.

A picture containing bag, accessory

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