

Year 5 – Term 5

**How sustainable is our way of life?  
DESIGN TECHNOLOGY**



**National Curriculum Links:**

Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose.

Select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining], accurately.

Select from and use a wider range of textiles, according to their functional properties and aesthetic qualities.

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

Understand how key events and individuals in design and technology have helped shape the world.

**Essential Prior Learning:**

Can cut neatly along pre drawn lines.  
Understands how to use a template

**Progression in Skill:**

Understand how key events and individuals in design of carrier bags have helped shape the world.

Investigate and analyse a range of existing carrier bags and create design criteria for their own bags. Research and develop design criteria to inform the design of innovative, functional, appealing bags made from t-shirts.

Communicate ideas through discussion, annotated sketches and pattern types.

Select from and use a wider range of scissors and needles to perform practical tasks to cut, shape, join and finish their bags.

Use appropriate textiles for the bag according to their functional properties and aesthetic qualities.

Evaluate their finished bags against their own design criteria and consider the views of others to improve their work.

Thread a needle with thread.

Draw accurately around a template to guide where they need to cut.

Learn to use running stitch and back stitch

Choose a suitable stitch to join two layers of fabric together.

**Long-term Memory Knowledge:**

Carrier bags have been designed in response to what people want – which has changed over time.

Suggest key features a carrier bag must have in order to appeal to a specific user.

Share ideas through sketches and discussion.

Use scissors and needles safely and effectively.

Identify what is and isn't effective about a given bag.

Thread a needle with thread.

Draw with accuracy, using a template.

Use running stitch and back stitch; choose between the two according to purpose.

**Key Vocabulary**

<b>template</b>	a shaped piece of rigid material used as a pattern for processes such as cutting out
<b>running stitch</b>	a style of sewing that uses stitches that look like a series of short lines with small spaces in between.
<b>upcycle</b>	to collect and treat used objects and materials that are ready to be thrown out to produce products that can be used again.

**Progression in Resources:**

Needles  
Thread  
Pinking sheers  
Templates

**Relevance**

<b>Now</b>	Children understand that clothes don't have to be thrown away when they no longer fit them/are old.
<b>Future</b>	Are responsible citizens by ensuring that recycling is a part of their everyday life.
<b>Aspiration</b>	Are involved in promotion of recycling as a career so that others in their community are creating a more sustainable world.