

Year 4 Spring 2 Project overview— Rags to Riches

Big Idea: Can something that would be thrown away be turned into something purposeful?

The children will investigate the concept of repurposing as a way to reduce waste. They will learn to cut and sew fabric. The children will repurpose old duvet covers into wearable items.

HOOK: Company day - set up a fashion house and design a logo

OUTCOME: Fashion show at Tauntons college

Applied Literacy:

Write instructions for how to construct garment

Applied Mathematics:

Statistics: collecting and presenting data

Pupil Premium Curriculum Enhancement:

Basic needlecraft workshop

Design and Technology Key Concept: Structures and Textiles

Children will learn about the importance of recycling materials and research existing products. Following market research, they will design a garment which means the design specification. They will learn how to use a pattern, cut fabric and join fabric. They will also evaluate their finished product.

STEM Key concept: Materials and their properties

Children will use their existing knowledge to investigate materials and their properties through enquiry

SMSC and Personal Skill:

Reduce, reuse, recycle
Impact of fast fashion
To persevere
To collaborate

Community links/ Enterprise/

Experiences: Home learning: practise threading a needle, tying a knot, finishing a stitch. Make and share a mini sewing project.

Big Idea:

Can something that would be thrown away be turned into something purposeful?

SJS Design Engineers

Key concept: Structures and Textiles

What I already know...

About the properties of materials (Y2)

How to choose appropriate methods to join different materials (Y3)

How to create a design from different angles (Y3)



In this **Design and Technology** project, follow the design process to create an item of clothing. Explore the properties of materials and their suitability for clothing. Learn skills of cutting and sewing. Model this at a fashion show.

I will learn...

- ❑ About the importance of **recycling** materials
- ❑ To **research** existing products
- ❑ To carry out **market research**
- ❑ To work to a **design specification**
- ❑ To **cut** and use a paper pattern
- ❑ To **join** materials using basic sewing techniques
- ❑ To **sew** on a button
- ❑ To **evaluate** my finished item

Key Vocabulary:

join

stitch

market research

construct

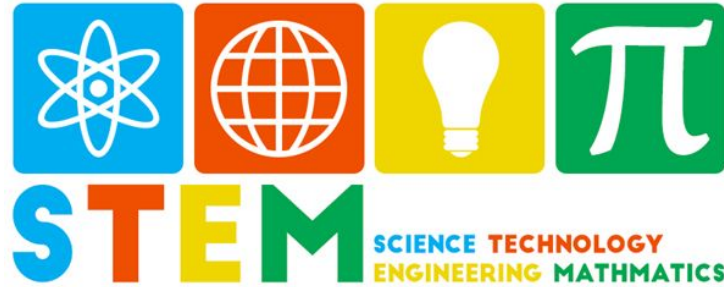
pattern

recycle

Our Personal Skills:



Science I know:



350,000 tonnes, that's around **£140 million** worth of used but still wearable clothing goes to landfill in the UK every year.

Something needs to be done!

As a company of fashion designers, you need to explore the properties of a range of materials and decide which will be most suitable for our sustainable clothing.



Context: *Sustainable Fashion*

What do I know about this real world problem?

BIG QUESTION:
Can clothing be made from recycled material?