The situation

Fact: The ten biggest retailers produced 900,000 tonnes of packaging and 2bn plastic bags in 2017.

Fact: It takes about 450-1000 years for plastics to photo-degrade becoming polluting microplastics. Chemical additives are associated with negative health effects. In our oceans, waste ends up in the food chain

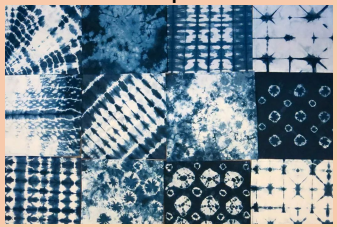
Design Brief.

Design and make a bag for life to reduce plastic waste. The product must use and show understanding of the Japanese dying technique Shibori

Homelearning

- Research the History of shibori.
- Fabric research
- Explore dying techniques

From the verb root 'shiboru' to wring, squeeze or press is a Japanese manual tie-dying technique, which produces a number of different patterns on fabric



Pins

Tailors chalk

Thread

Measuring tape

Hand needles

Maths

- Measurements – centimetres and metres
- Symmetry
- Seam allowance
- Costings and profit

Technical skills:

- Threading a sewing machine
- Seam allowances
- Designing and pattern making
- Machine and hand sewing
- Health, safety and quality control

Fibres and fabrics

Natural and synthetic
Regenerated
Spinning, yarn and thread
Woven, knitted and bonded fabrics

Word bank

Shibori	Design brief	Bobbin
Sustainability	Functionality	Spool
Process	Millimetres	Upcycling
Justification	Pattern	Open seam
Synthetic	Needles	Specification
Planning	Evaluation	Construction
Knitted	Target market	
Presser foot	Seam allowance	