

# Year 8 Textiles Knowledge Organiser

## Synthetic Fibres (Man-Made)

**Polyester** is a very common manufactured fibre used for clothing as it is easy to care for, dries quickly and is very strong.

**Nylon** is similar to polyester but is more **durable**. It is used for carpets and outdoor textiles, such as tents and rucksacks.

**Acrylic** is manufactured to resemble wool. It isn't as insulating as wool but it is much cheaper to produce. It has poor absorbency so dries quickly and is used to produce jumpers, your school jumper is made from acrylic.

**Polypropylene** is particularly strong and durable. It is usually manufactured for specific end uses, such as fishing nets, sacks and rope.

**Elastane** has high elasticity and is always mixed with other fibres, particularly those that crease badly like cotton. It is used to produce fabrics for sportswear to ensure a tight fit.

**Tie-dye** typically consists of folding, twisting, pleating, or crumpling fabric or a garment, before binding with string or rubber bands, followed by the application of dye. The patterns created on the fabric are made by the dye 'resisting' the area covered by the bands, therefore creating unique and intricate designs. The technique was traditionally used in Indian and African textiles but became popular in America and the UK during the 1970's

## Keywords

Equipment, Decoration, Synthetic, Natural, Fibres, Sustainable, Environment, Evaluate

## Hand Embroidery

Back stitch, running stitch, cross stitch, chain stitch

## The 6 R's

**Reduce-** Purchase products that require less packaging or to limit the waste you are producing.

**Reuse-** Use a travel mug or reusable water bottle and avoid single-use bags.

**Recycle-** Make unwanted clothing into something new i.e. Jeans into shorts

**Repair-** If there is a rip or hole in your clothing, fix it by hand by sewing or adding a patch

**Rethink-** Do you really need it?

**Reuse-** Resist buying items you do not think you will use.

**Appliqué** is a decorative textile technique where pieces of fabric in different shapes and patterns are sewn onto a larger piece of fabric. It can be done on the machine or by hand

