

Homework 3 - How are yarns and Fabrics made?

Learning Objective:

To understand what yarns are and that they are constructed into a variety of fabrics.

To remind you this is video on YouTube from last week:

https://www.youtube.com/watch?v=PDuiSnBYCQc&ab_channel=Don%27tMemorise



Fibres which come from natural or synthetic sources are spun together to form yarns which are then made into fabrics.

Yarns

- Fibres are twisted or spun together to form a long continuous thread known as a yarn.
- The embroidery threads we have been using are made by twisting several yarns together to produce a thicker thread.

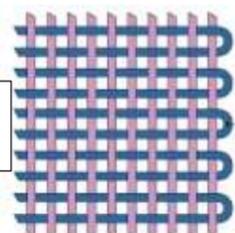
Watch the video about spinning wool:

https://www.youtube.com/watch?v=ltXHYIcO15M&ab_channel=GeorgeWashington%27sMountVernon

Fabric Construction

- Yarns are woven, knitted, or bonded into fabrics.
- This is called fabric construction.

Woven Fabric
Construction



Weaving is one of the most common ways of making fabric.

The calico we are using for our embroidery samples is a woven fabric made from cotton fibres.

Yarns can be knitted by hand or by machine to make garments or fabrics.

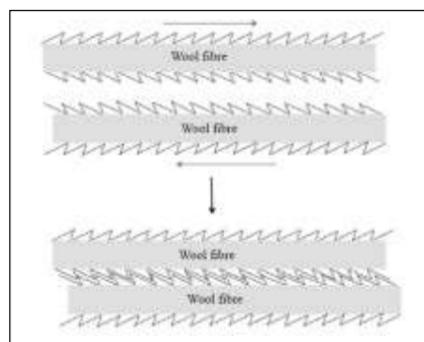


Instead of making wool fibres into yarns they can be made into a fabric called felt.

Wool fibres have tiny barbs on them, a bit like hooks.

This means that they bond (stick) together, when they are rubbed, becoming tangled into a kind of mat.

Felt is made by pressing the fibres together using heat, moisture and pressure.



Name:

Date:

Key stage 3 Homework : Where do textile materials come from?

First read the information on the left.

Now answer the questions below.

1. What is a yarn?
2. How do you make a thicker thread or yarn ?
3. What advantages can you think of for using a thicker yarn or thread?
4. Name 2 ways yarns are made into fabrics?
5. What fibre is felt made from?
6. Explain how is felt made?
7. What fibre is calico made from?
8. What method of fabric construction is used to make calico?

Stretch and challenge - (If your target is Good or Exceptional you should answer these)

1. Name some garments or other textiles at home. Have they been made from woven or knitted fabrics?
2. Compare a product that is woven with a product that is knitted. Why do you think each fabric has been chosen for that particular product? What is good about each fabric?