

Homework Sheets: here you will find the information you need to complete your homework on materials. You can also find printable copies of the homework sheets. Click on the PDF button to open and print.

YEAR 7 TEXTILES HOMEWORK: MATERIALS (FABRICS AND COMPONENTS)

Name	Fabric or Component?	Natural or Man-made?	Description	Function	Advantages	Disadvantages
Cotton	Fabric	Natural	A plain weave fabric. Made from 100% cotton. No right or wrong side.	Used for the front and back of the pencil case (outside) and the lining (inside).	*Durable / hardwearing. *Strong. *Does not stretch out of shape. *Inexpensive. *Easy to cut and sew. *Easy to care for (handwash in warm water). *Absorbent so can be dyed or printed. *Available in a wide range of colours.	*Creases easily so would need ironing. *Flammable.
Bondaweb	Component	Man-made	A layer of greaseproof type paper with a soft web layer of adhesive behind it.	Used for the decorative technique of appliqué because it sticks / bonds two fabrics together. <i>It is like double sided sticky tape but for fabric.</i>	*Quick and easy to use. *Holds fabrics together to keep them flat when sewing. *Washable.	*Needs the heat and pressure of an iron to activate / make the adhesive web sticky. *Can get stuck to the iron. *Fairly expensive. *Image must be drawn in reverse. *Needs stitching to make more permanent.
Zip	Component	Man-made (Nylon 'teeth') and Natural (cotton tape).	A length of nylon 'teeth' attached to a cotton tape.	As a fastening to allow the pencil case to be opened and closed.	*Quick and easy to slide open and closed. *Does up completely – no gaps for contents to fall out. *Strong. *Washable. *Available in a range of different colours. *Lightweight, not bulky.	*Needs skill to be sewn in neatly and correctly. *Fairly expensive. *Can get jammed / teeth can break.
Thread	Component	Man-made (100% Polyester).	Fibres twisted together into a yarn.	Used to hold fabrics and / components together. Can also be used decoratively e.g. embroidery.	*Can be used for hand and machine sewing. *Strong. *Hardwearing. *Available in lots of different colours. *Washable.	*Can get knotted / tangled. *Can be fiddly to thread through needle. *Could melt under a hot iron.
Button	Component	Man-made or natural.	Can be made of resin, wood, plastic, glass, bone, leather. Flat sewn buttons have two or four holes. Buttons with a shank have a 'loop' behind them.	Functional - to fasten or unfasten a textiles product or Decorative to embellish a textiles product.	*Can be used decoratively and / or functionally. *Available in a wide range of shapes and colours. *Inexpensive. *Washable.	* Usually sewn on by hand. *Requires some skill to be sewn neatly and securely. *Sewing machine needed to make buttonholes. Generally easy to use but small buttons can be fiddly to handle. *Need to be sewn on securely or could pose a choking hazard.
Computer Transfer Paper	Component	Natural and Man-made.	An A4 sheet of paper with a membrane type 'skin' behind it.	Acts as a transfer to enable an image to be transferred from paper to fabric.	*Relatively quick and easy to use. *Gives professional results. *Versatile – can transfer original artwork or photographic images onto fabric. *Colour or black and white images. *Washable. *Smooth finish. *Can be cut to size.	*Fairly expensive to buy. *Requires a printer or photocopier. *Requires an iron or heat press to transfer image onto fabric. *Instructions must be followed carefully. *Wash with care otherwise image could flake off.

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1) With the help of the table above and your experience in class, give **two** reasons why cotton is a good choice of fabric for your pencil case.

Cotton is used because

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2) Give **two** reasons why we use a zip for the fastening of the pencil case.

A zip is used because

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