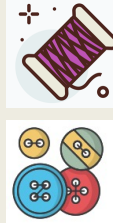


NPA Knowledge Organiser: Year 4 DT - Summer

What is sewing useful for?



How will your fastening work?



Textiles - Fastenings



Aesthetic	How an object or product looks.
Assemble	To put parts together.
Book sleeve	A protective cover for a book to keep it from getting damaged.
Design criteria	To help designers focus their ideas and test the success of them.
Evaluation	When you look at the good and bad points about something, then think about how you could improve it.
Fabric	A natural or man-made woven or knitted material that is made from plant fibres, animal fur or synthetic material.
Fastening	Something that holds two pieces of material together securely or shuts something, such as buttons, zips and press-studs.
Prototype	A simple model that lets you test out your idea, how it will look and work.
Net	A flat 2D shape, that can become a 3D shape once assembled.
Running-stitch	A simple style of sewing in a straight line with no overlapping.
Stencil	A shape that you can draw around.
Target audience	A person or particular group of people at whom a product is aimed.
Target customer	A person or particular group of people who you expect to buy the product.
Template	A stencil you use to help you draw the same shape more easily on to different materials.

Our topic this term, Textiles and we are going to be sewing and focusing on different fastenings. We will be looking at making design decisions and then using trial and error to evaluate our choices and make changes when assembling them. We will be aiming to make a product that could be sold and will appeal to our customers.



Did you know?

Up to fifty books can be made from the pulp harvested from one tree!



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Be very careful when threading the needle through the fabric, watch your fingers and ask an adult if you're unsure.

When we make our bags, we will focus on these fastenings:



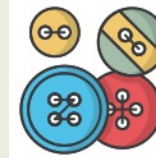
poppers



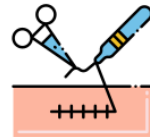
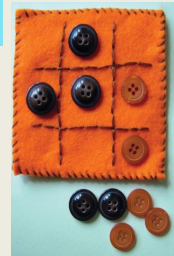
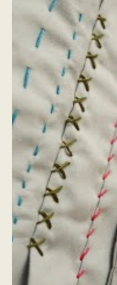
buttons



draw string



Each will require different steps in the process of making and sewing the bag. Some are more secure than others so keep that in mind.



By the end of the unit, we will be able to; Identify the features, benefits and disadvantages of a range of fastening types, write design criteria and design a sleeve that satisfies the criteria, make a template for their book sleeve and assemble their case using any stitch they are comfortable with.



There are a number of fastenings that you can use to bring two pieces of fabric together.

Zipper



Velcro



Press stud



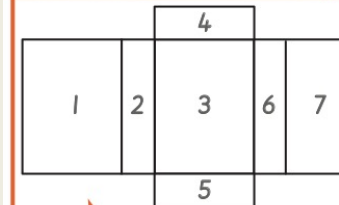
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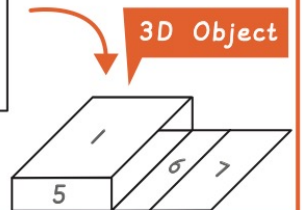
Button



Toggle



2D Net



3D Object

A 2D net made from card can be created to check the size for the book sleeve, before using fabric. When folded into a 3D shape, we can test if it needs to be made bigger or smaller. This 2D net has seven faces.