

Design and Technology - Textiles- Fastenings

Learning Ladders Covered

Stick in Title Page and Knowledge organiser.

Prior to Lesson 1 make sure the pre assessment is completed using the following link

<https://www.kapowprimary.com/subjects/design-technology/lower-key-stage-2/year-4/textiles-fastenings/assessment-dt-y3-textiles-fastenings/>

Stick the Pre Assessment into book and complete.

Lesson 1: Evaluating Fastenings.	<u>LI: I can</u> <u>Lesson Delivery:</u> <u>Attention Grabber:</u> The children are going to walk around the room for 5 minutes and find as many ways as they can that fabric is fastened together. Ask the children to name fastenings as well as fabric. Discuss these as a class and make a list on the board. <u>Explore</u> (15 minutes) Have the children look at the <i>Activity: Fastenings notes</i> sheet, showing an example image of each type of fastening. Around each image, ask them to list the types of things that each type of fastening is used for (for example poppers - coats, shirts, bedding, bags, purses). Extension: Ask children to look at the images and think about how each fastening type would be attached to fabric. <u>Analyse</u> (15 minutes) Get children to look at the <i>Activity: Fastenings product analysis</i> and consider the advantages and disadvantages for each fastening type (you could also	<u>Resources:</u> Have the following resources printed. • Fastening Notes • Word Bank • Fastening analysis	<u>Key Vocab:</u> • Fabric • Fastening • Fix
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	introduce the concept of manufacture and cost - toggles and zippers typically being the more complicated and expensive to manufacture and purchase). Some children might find it easier to state what they like and dislike about each fastening before expanding this to explain the advantages and disadvantages. Children will probably work out the strength, security and speed of fastenings by themselves, as well as recognise the size of the gap between each fastening type. After they have discussed this, they should fill in the tables and feedback their ideas to the class. Key questions What fastenings are being used in this room? What does a fastening do? How does it fasten the two pieces of fabric? How secure is it? How easy is it to do up? How likely is it to break? How strong is it? How attractive is it? How comfortable is it?		
Extra Lesson: Practice different types of sewing techniques.	<u>LI: I can</u> <u>Lesson Plan:</u> Using the videos on the website show children to two different types of stitches they can use to join their Roman Purse. Give children a piece of fabric, needle and thread. Show them the cross-stitch video https://www.kapowprimary.com/video/dt-textiles-cross-stitch/	<u>Resources:</u> • Needles • Thread • Videos from website.	<u>Key Vocab:</u> • Running stitch • Cross stitch • Fabric • Eye of the needle

	Let them have a go. Show them the running stitch video https://www.kapowprimary.com/video/dt-textiles-running-stitch/ Let them have a go. Staple in the piece of fabric and discuss which you preferred and why.		
Lesson 2: Designing my Roman purse.	<u>LI: I can</u> <u>Lesson Delivery:</u> <u>Attention Grabber:</u> Explain to the children that they will be creating a Roman purse over the next couple of lessons. This could be for themselves or as a gift, but it must include a type of fastening (explain we will use a button to fasten). The children will decide what the design criteria should be for their Roman purse before designing it as part of a plan. <u>Main Lesson:</u> Show examples of a fabric purse, use pictures or examples from previous years. <u>Plan</u> (10 minutes) The children decide who their Roman purse will be for – it may be themselves. With this in mind, the children should consider the colours, materials, images and characters they would like to include in their design. The children start by mind mapping this information on the reverse of the worksheet, before selecting the key aspects which they must include. Hand out the <i>Activity: Roman Purse design sheet</i> and ask them to focus on the design criteria at the top:	<u>Resources:</u> • Roman purse design template. • Examples of purses with different fastenings. • Example from previous year.	<u>Key Vocab:</u> • Fabric • Fastening • Fix • Applique

	Your sleeve must be made of fabric Your sleeve must have a fastening Your sleeve must be large enough to hold money. Your sleeve must... Your sleeve must... The last two points should be their own ideas, based on their mind maps. <u>Design</u> (20 minutes) Model folding a large piece of plain paper to show how the purse will look: Using their individual design briefs, they now need to start designing their Roman Purse on the same sheet. The children's <i>Activity: Roman Purse design sheet</i> must show measurements, colours and decorations that will be included as well as details of joining techniques e.g: fabric glue, sewing and applique decorations - if time allows. The sheet must also clearly show what kind of fastening will be used and how it will be attached to the book sleeve (refer to <i>Activity: Fastenings</i> images from 'Lesson 1: Evaluating fastenings' if necessary). Note: We want the children to include some form of applique. They need to write down which type of stitch they will use as well. <u>Key questions</u> Who is this for? What do you know about them? What do they like? What will they use this for? What will they value more: aesthetics or practicality?		
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	Why is it useful to have a list of design criteria?		
Lesson 3: Paper Mock-Up and Preparing fabric.	<u>LI: I can</u> <u>Lesson Delivery:</u> <u>Attention Grabber:</u> The children use the Activity: Design sheets from previous lesson. Depending on your class, you may wish to provide the templates already. If they are more confident, give them the opportunity to create the template. <u>Main Lesson:</u> <u>Plan</u> (10 minutes) Looking at the children's <i>Activity: Design sheets</i> from <i>lesson 2</i> pupils should consider: How many sections they need What size each of the sections needs to be (their designs should include measurements) What shape the sections need to be How the sections will be joined (do the children need to leave the extra fabric for this?) <u>Make</u> (20 minutes) Children should cut their paper templates out (to size) and assemble using pins, checking that the joins work as they should and that the shape is as per their design. The children should make sure that the template is big enough. Once children are happy with their template, they can pin it to their fabric ready to be cut out (remembering to mark down if they need to leave extra fabric for joins). If time allows, children	<u>Resources:</u> • Pins • Fabric • Fastenings (buttons) • Scissors • A4 paper • Design sheet from lesson 2	<u>Key Vocab:</u> • Prototype • Fabric • Fastening • Fix

	can cut their fabric ready to sew in Lesson 4. <u>Key questions</u> How will those pieces be joined? What size is that face? What shape is it? How many faces do you have? Are they all joined the same way?		
Lesson 4: Assembling my Roman Purse	<u>LI: I can</u> <u>Lesson Delivery:</u> <u>Attention Grabber:</u> This lesson the children complete their book sleeves. Ensure that the children have cut out their pieces of fabric as they may not all have had time in the previous lesson. The children revisit their action plan from the last lesson and consider which parts they want to attach first and where they will attach the fastening. <u>Demonstrate threading a needle</u> Show the children a needle and thread, and show them how to thread the needle and to be careful not to poke their fingers. If you have any, provide the children with thimbles to protect their fingers. Explain that the hole in the needle is called the 'eye', and when we push cotton through the eye, we call this 'threading the needle'. <u>Main Lesson:</u> <u>Make</u> (30 minutes) Show the children how to create their Roman Purse. Show children each stage	<u>Resources:</u> • Thread • Needles • Thimbles (optional) • Fabric glue • Decorative items • Fabric • Fastenings (buttons)	<u>Key Vocab:</u> • Fabric • Fastening • Fix • Needle • Needle eye • Thread

	of the purse under the visualizer and allow them to have a go at each stage. Remember to take photos for evidence and a photo of the final product. <u>Key Questions:</u> • What will you assemble first? • What needs to be attached to what? • What will be the best way to attach each part? • What must you consider when sewing?		
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