

Max's Textile Treasure Hunt

Learning objective: To understand the properties of textiles, joining techniques, and the design process in Year 4 Design Technology.

Max the monkey has been busy sewing, but he needs your help to finish his latest projects. Read each question carefully and circle the best answer. Good luck!

Answer Key: 1.C, 2.True, 3.Template, 4.B, 5.True, 6.Stitch, 7.A, 8.False, 9.Fabric, 10.B. Textiles are materials made from fibres. Natural fibres come from plants or animals (like cotton or wool), while synthetic fibres are man-made. A template is used to cut fabric accurately. Common fastenings include buttons, zips, and Velcro.

Word bank: Template · Stitch · Properties · Felt · Fastening · Durability · Synthetic · Natural

1. Which of these is a natural fibre? A) Polyester B) Nylon C) Cotton* D) Plastic (1 mark)

2. True or False: A template helps to ensure that fabric pieces are cut to the correct size and shape. (1 mark)

3. What is the name of the paper pattern used to trace shapes onto fabric before cutting? (1 mark)

4. Which property is most important for a school bag? A) Transparency B) Durability* C) Elasticity D) Flammability (1 mark)

5. True or False: You should always test your joining technique (like a running stitch) on a scrap piece of fabric first. (1 mark)

6. What is the name of the action where a needle pulls thread through fabric to join two pieces together? (1 mark)

7. Which of these is a type of fastening? A) Button* B) Glue stick C) Staple D) Tape (1 mark)

8. True or False: Felt is a fabric made by weaving threads together on a loom. (1 mark)

9. What is the collective term for materials made from interlacing fibres, such as cotton, silk, or wool? (1 mark)

10. If Max wants to join two pieces of fabric together temporarily, which would be best? A) Permanent glue B) Pins* C) Sewing machine D) Iron-on hem (1 mark)

Draw: Draw a design for a new pencil case for Max the monkey. Label the materials you would use and describe one fastening you have chosen.



Extension challenge: 1. Explain why a designer might choose cotton over polyester for a summer t-shirt. 2. Compare and contrast the properties of felt and denim. 3. Justify your choice of material for a raincoat; why is water resistance vital? 4. What might happen if you used a running stitch to join two heavy pieces of leather? 5. If you were designing a costume, how would you ensure the fastenings are easy for a child to use independently? 6. Design a new textile product that uses recycled fabrics; explain why sustainability is important in fashion design.