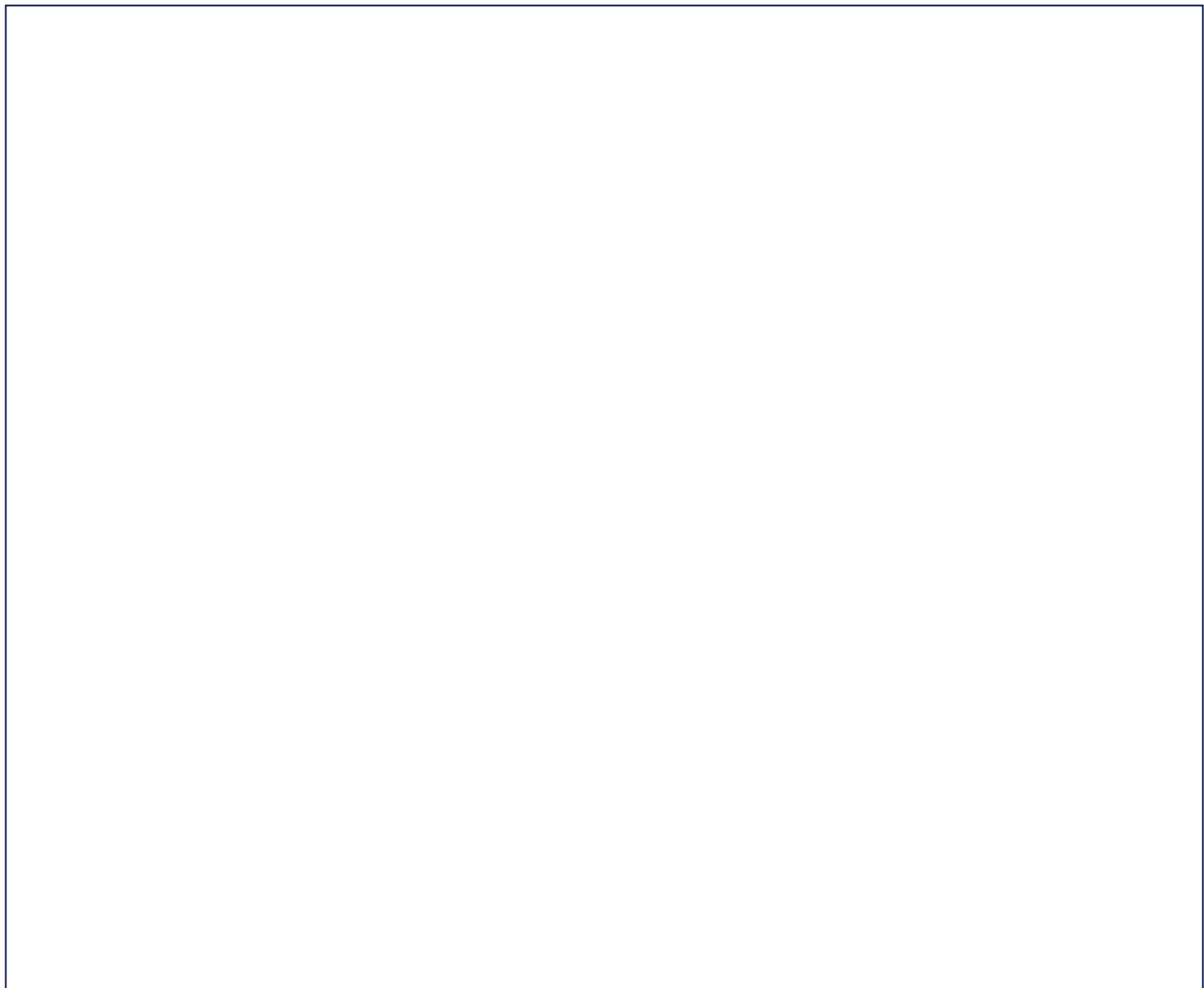


# Designing Sustainable Textiles with Zara the Zebra

*Learning objective: To understand the properties of fabrics and apply design criteria to create a functional, sustainable textile product.*

Zara the Zebra is planning a community art fair and needs a reusable tote bag to carry her supplies. Using your knowledge of textiles, design a bag that is strong, durable, and colourful. Follow the drawing steps below to illustrate your design.

**Draw: Draw a high-quality, detailed design of a reusable tote bag. Your style should be a technical drawing (like a design engineer would create). Include a front view and a zoomed-in side view showing the stitching. Add patterns or colours to show Zara's artistic style. Clearly label the different sections using the provided word bank.**



*Label words: Stitching · Seam · Fastening · Template · Durability · Texture · Pattern · Sustainable*

## Steps:

1. Explain why Zara might choose a strong, woven fabric like denim or canvas over a thin fabric like silk for her bag.
2. Label the parts of your drawing where you would use a reinforced seam or a fastening (like a button or zip) to make the bag more functional.
3. Compare and contrast two different types of fastenings. Which one would be more secure for carrying

heavy items and why?

4. What might happen to the bag's structure if the stitches were placed too far apart from each other? Justify your reasoning.
5. How does choosing a sustainable fabric support the environment? Provide one reason.
6. Step 1: Draw the rectangular template for your bag, including the handles. Label the dimensions.