

Zara's Pattern Explorer Journal

Learning objective: To identify, analyse, and recreate geometric and organic patterns found in the natural and man-made world.

Welcome, young artist! Join Zara the zebra on an exploration of visual patterns. Use this journal to document the patterns you discover in your environment. Look closely at shapes, symmetry, and repeating motifs. When describing your findings, use rich, descriptive vocabulary to explain how the patterns are constructed.

Word bank: Symmetry · Geometric · Organic · Tessellation · Repetitive · Intricate · Contrast · Motif · Asymmetrical · Rhythmic

1. Pattern Observation: Describe a pattern you have found in nature. Identify whether it is geometric or organic and explain how the shapes repeat. (3 marks)

2. Comparative Analysis: Compare and contrast a pattern found on a piece of clothing with a pattern found on a leaf or flower. What are the key similarities and differences? (4 marks)

3. Technical Justification: Why might an artist choose to use a repeating geometric motif instead of an asymmetrical design in a tiled floor pattern? (3 marks)

4. Hypothesis: What might happen to the visual impact of a design if you removed the 'rule' of symmetry? Explain the effect this would have on the viewer. (3 marks)

5. Pattern Construction: Zara wants to create a new pattern inspired by the seaside. List three shapes or lines you would include and explain why they work well together. (3 marks)

6. Creative Synthesis: If you were tasked with designing a pattern for a brand new fabric, how would you incorporate the concept of 'rhythm' into your work? (4 marks)

Extension challenge: Design a complex tessellating pattern in the box below. Your design must use at least two different geometric shapes that fit together perfectly without any gaps. Once finished, write a short paragraph explaining the mathematical sequence you used to ensure the shapes repeat accurately.