

Outdoor Adventure Expedition: Mapping the Wilderness

Learning objective: To apply observational skills and scientific understanding of habitats and navigation through technical illustration.

Follow the drawing prompt to create your expedition map. Use your scientific knowledge to add realistic features, then complete the labelling and reflection tasks below.

Draw: Draw a bird's-eye view 'Expedition Map' of an outdoor adventure site. Include a detailed legend (key) in the corner. Sketch a dense forest area, a winding river, a rocky outcrop, and a base camp. Use fine-liner style detail to show texture in the trees and rocks. Ensure you include a compass rose pointing North. Add Nova the owl flying above to show scale.



Label words: Topography · Compass rose · Vegetation · Habitat · Shelter · Water source · Scale · Coordinates

Steps:

1. Explain why it is essential to include a scale on your expedition map. How does this help a traveller?
2. Justify your choice of location for the 'shelter'. What environmental factors did you consider?
3. Compare and contrast the needs of a woodland habitat versus a coastal habitat in your map design.
4. Label three pieces of essential survival equipment you have included in your drawing.

5. What might happen if the 'water source' in your habitat dried up? Explain the impact on the local ecosystem.
6. If an expedition costs £45.50 per person, calculate the total cost for Nova and Leo to go on this adventure.