Finn’s Mountain Explorer Fact-File

Learning objective: To identify, describe, and understand the physical features and climate zones of mountain environments.

Finn the dolphin has travelled from the oceans to the highest peaks! Use this fact-file to conduct your own research into a famous mountain range. You will need to describe the landscape, the climate, and how humans interact with these towering heights. Fill in each box with clear, accurate information.

Word bank: Altitude · Summit · Tectonic plates · Climate zone · Vegetation · Erosion · Glacier · Atmosphere · Topography · Range

1. Mountain Range Identity: Which mountain range are you researching? State its location, continent, and the name of its highest peak. (2 marks)

2. Formation and Geology: How were these mountains formed? Describe the movement of the Earth's crust that created this range. (3 marks)

3. Climate and Vegetation: Explain how the temperature and types of plants change as you move from the base (the foothills) to the summit. (3 marks)

4. Human Impact: How do people use this mountain range? Consider tourism, farming, or energy production, and any costs (in £) for visiting or maintaining protected areas. (3 marks)

5. Environmental Challenges: What is one major threat to this mountain ecosystem (e.g., climate change or erosion) and why is it happening? (2 marks)

Extension challenge: Imagine you are a mountain guide. Write a short paragraph explaining the essential equipment a tourist would need to safely climb to the first base camp, keeping in mind the change in air pressure and temperature.