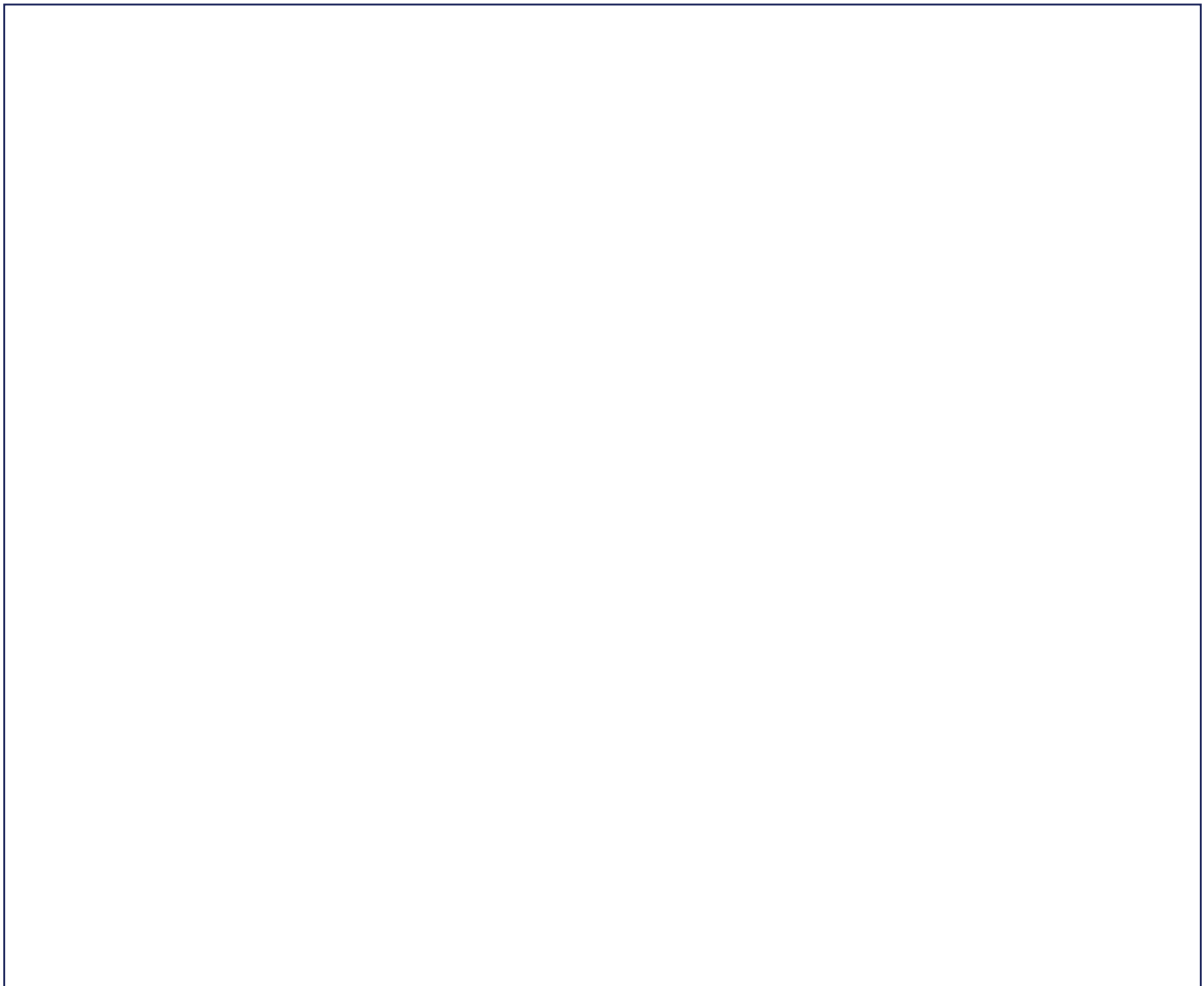


Finn's Coastal Mapping Expedition

Learning objective: To accurately use four-figure grid references to locate and plot geographical features on a map.

Finn the dolphin is mapping the coastline! Use your knowledge of coordinates to draw and label the map below. Remember: go along the corridor (horizontal axis) first, then up the stairs (vertical axis).

Draw: Create a 4x4 grid (columns A-D, rows 1-4). The style should be a clean, colourful map. Include a compass rose in the corner. Draw the coastline running diagonally from A4 to D1. Ensure there is space in each square for the required features: a tall lighthouse in A1, a wooden pier in C2, rolling sand dunes in B3, a small lifeboat house in A4, and a river mouth (estuary) flowing into the sea at D4.



Label words: Lighthouse · Sand Dunes · Pier · Lifeboat Station · Rocky Cove · Estuary

Steps:

1. Step 1: Draw a lighthouse in square A1. Label it. Why is it important for the lighthouse to be near the coast?
2. Step 2: Draw a pier in square C2. If a boat is at the pier, what are its grid coordinates?
3. Step 3: Draw sand dunes in square B3. Compare and contrast a sandy beach with a rocky cove. How might the geography affect the wildlife found there?

4. Step 4: Label the estuary at D4. Explain why an estuary is a unique geographical feature.
5. Step 5: If a lifeboat station costs £450 to maintain in square A4, calculate the cost for three stations. Show your working.
6. Step 6: Justify your decision for where to place the Lifeboat Station on your map to ensure it reaches the most areas quickly.