

Designing a Sustainable Future with Finn

Learning objective: To understand the core principles of sustainability and apply them to a landscape design by considering renewable energy, resource management, and environmental protection.

Help Finn the dolphin plan a sustainable seaside village. Use the word bank to label your drawing and show how humans can live in harmony with the natural environment.

Draw: Draw a panoramic view of a coastal village. Include the following features: 1) Houses with slanted roofs featuring solar panels; 2) A tall wind turbine on a nearby hill; 3) A garden area with vegetable patches (allotments); 4) A green path filled with flowers and trees that connects the village to the forest (a biodiversity corridor); 5) A small electric bus on the road. Use bright colors and clear labels pointing to each feature using the word bank.



Label words: Solar Panels · Wind Turbine · Rainwater Harvesting · Biodiversity Corridor · Electric Transport · Community Allotment

Steps:

1. Explain why 'Solar Panels' are a more sustainable choice than burning fossil fuels for electricity.
2. Describe the purpose of a 'Biodiversity Corridor' in a village plan.
3. If a community allotment saves £25 per week on food costs, how much would it save in a 4-week month?
4. Why is 'Rainwater Harvesting' considered a sustainable practice?

5. List one way you could reduce your own carbon footprint at home.