Sustainability Superstars: The Future of Our Planet

Learning objective: To understand the concept of sustainability and identify actions that help preserve Earth's resources for future generations.

Finn the dolphin has been exploring the coast and noticed how human activity affects our oceans and land. Below is a list of actions. Sort these into two categories: 'Sustainable Actions' (things that help the planet stay healthy for the future) and 'Unsustainable Actions' (things that use up resources too quickly or cause damage).

Word bank: Using solar energy · Single-use plastic bottles · Composting food waste · Flying short distances by plane · Buying locally grown seasonal food · Leaving lights on in empty rooms · Walking or cycling to school · Throwing batteries in general rubbish

1. Create a table with two columns: 'Sustainable' and 'Unsustainable'. Place the items from the word bank into the correct column. (4 marks)

2. Explain why 'Walking or cycling to school' is considered a sustainable action compared to driving a car. (2 marks)

3. If a reusable water bottle costs £8.00 and lasts for two years, while a disposable plastic bottle costs £0.50 each day, calculate how much money you save in one year (365 days) by choosing the reusable option. (2 marks)

4. Why is it important to buy food that is grown locally rather than food flown in from the other side of the world? (2 marks)

5. Suggest one change you could make at home this week to become more sustainable, and explain why it makes a difference. (2 marks)

Draw: Draw a 'Sustainable City of the Future'. Include at least three features that help the environment, such as wind turbines, rooftop gardens, or cycle paths.

Extension challenge: Research the 'Three Rs': Reduce, Reuse, and Recycle. Create a poster for your classroom explaining how each one helps conserve natural resources.