

### Science

- Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.
- Asking relevant questions and using different types of scientific enquiries to answer them
- Making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers
- Gathering, recording, classifying and presenting data in a variety of ways to help in answering questions
- Using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions.

### Geography

- Physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle
- use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied
- name and locate counties and cities of the United Kingdom, geographical regions and their identifying human and physical characteristics, key topographical features (including hills, mountains, coasts and rivers), and land-use patterns; and understand how some of these aspects have changed over time
- Human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water

### Computing

- To make a game using j2code
- Make a rap/ music track to encourage saving resources and the planet using an Audio network or Audacity

### Maths

- add and subtract numbers with up to 4 digits using the column method
- estimate and use inverse operations to check answers to a calculation
- solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why
- recall multiplication and division facts for multiplication tables up to  $12 \times 12$
- multiply two-digit and three-digit numbers by a one-digit number using formal written layout

### Spanish

- To learn and understand how to say and read different facial features and parts of the body in Spanish
- Revisiting numbers and colours in Spanish

### PE

- use running, jumping, throwing and catching in isolation and in combination
- take part in outdoor and adventurous activity challenges both individually and within a team
- develop flexibility, strength, technique, control and balance (for example, through athletics and gymnastics)

### Literacy

- Our Literacy learning will be based on Michael Morpurgo's *This Morning I met a whale*
- To write a diary entry / piece of narrative from the perspective of a character
- To learn about the features of a newspaper report and create our own
- To create imagery poetry based on the environment and endangered animals

### RE

- Why is Eid important to Muslims?

### PSHE

- To learn that resources can be allocated in different ways and that these economic choices affect individuals, communities and the sustainability of the environment across the world
- To learn about the role money plays in their own and others' lives, including how to manage their money and about being a critical consumer
- To develop an initial understanding of the concepts of 'interest', 'loan', 'debt', and 'tax'

### Art

- to create sketch books to record their observations and use them to review and revisit ideas
- to improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials [for example, pencil, charcoal, paint, clay]
- to learn about great artists, architects and designers in history

# Year 4 Curriculum

# Save the Planet