

## Primary Stage3 Science for Year3

## Scientific enquiry

### Ep Ideas and evidence

- **3Ep1** Collect evidence in a variety of contexts to answer questions or test ideas.

### Ep Plan investigative work

- **3Ep2** Suggest ideas, make predictions and communicate these.
- **3Ep3** With help, think about collecting evidence and planning fair tests.

### Eo Obtain and present evidence

- **3Eo1** Observe and compare objects, living things and events.
- **3Eo2** Measure using simple equipment and record observations in a variety of ways.
- **3Eo3** Present results in drawings, bar charts and tables. **Eo**

### Consider evidence and approach

- **3Eo4** Draw conclusions from results and begin to use scientific knowledge to suggest explanations.
- **3Eo5** Make generalisations and begin to identify simple patterns in results.

## B Biology

### Bp Plants

- **3Bp1** Know that plants have roots, leaves, stems and flowers.
- **3Bp2** Explain observations that plants need water and light to grow.
- **3Bp3** Know that water is taken in through the roots and transported through the stem.
- **3Bp4** Know that plants need healthy roots, leaves and stems to grow well.
- **3Bp5** Know that plant growth is affected by temperature. **Bh**

### Humans and animals

- **3Bh1** Know life processes common to humans and animals include nutrition (water and food), movement, growth and reproduction. • **3Bh2** Describe differences between living and non-living things using knowledge of life processes. • **3Bh3** Explore and research exercise and the adequate, varied diet needed to keep healthy. • **3Bh4** Know that some foods can be damaging to health, e.g. very sweet and fatty foods.
- **3Bh5** Explore human senses and the ways we use them to learn about our world.
- **3Bh6** Sort living things into groups, using simple features and describe rationale for groupings.

## C Chemistry

### Cp Material properties

- **3Cp1** Know that every material has specific properties, e.g. hard, soft, shiny.
- **3Cp2** Sort materials according to their properties.
- **3Cp3** Explore how some materials are magnetic but many are not.
- **3Cp4** Discuss why materials are chosen for specific purposes on the basis of their properties.

## P Physics

### Pf Forces and motion

- **3Pf1** Know that pushes and pulls are examples of forces and that they can be measured with forcemeters.
- **3Pf2** Explore how forces can make objects start or stop moving.
- **3Pf3** Explore how forces can change the shape of objects.
- **3Pf4** Explore how forces, including friction, can make objects move faster or slower or change direction.