

Learn these facts to help you with your work.

Knowledge Organiser Year 6 Spring 1 2025-2026

Facing the Elements

Science

Important vocabulary

Ancestors, adaptation, inheritance, evolution, descendants, fossils, species

Children can recognise that living things have changed over time and that fossils provide information about living things from the past.

Children recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents

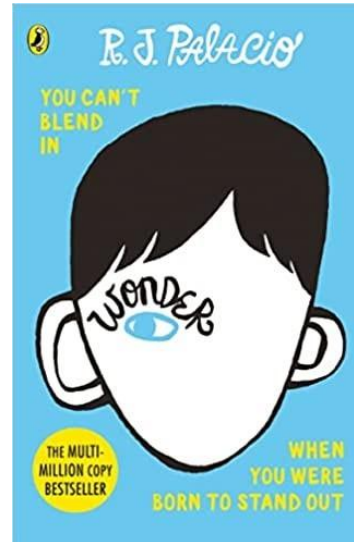
Children can identify how animals and plants adapt to suit their environment and that adaptation may lead to evolution.

Famous people

Charles Darwin (1809– 1882)

Best known for his contributions to the science of evolution.

David Attenborough- conservation



Our author this half term is

R.J.Palacio

PSHE—Dreams and Goals

To know what my strengths are and set realistic goals.

To identify challenges and how to stay motivated.

To maintain a positive attitude and work with others to achieve their goals.

Geography

Biomes

To know that different parts of the world experience different climates.

To use an atlas to locate places which experience extreme climates. To explain the cause and effect of these climates.

To know how the climate shapes the landscape of the world

Important vocabulary:

Biomes, climate, extreme, Arctic, desert, rainforest, water cycle, precipitation, drought

Religious Education

- **Birth and Naming Ceremonies** – e.g., baptism, Brit Milah
- **Coming of Age** – e.g., Bar/Bat Mitzvah
- **Marriage** – exploring wedding traditions in different faiths
- **Death and Remembrance** – funeral practices and commemorations

Through these topics, pupils develop an understanding of **how beliefs and values shape life events**, while comparing similarities and differences across religions.

English

Writing Units – Year 6

Writing is taught through high-quality texts to inspire purposeful and engaging outcomes:

- **The Ice Bear** – Writing an epilogue from two contrasting perspectives
- **Northern Lights** – Descriptive writing with a focus on action and atmosphere
- **Arctic Star** – Writing a non-chronological report

Alongside these writing units, **Year 6 pupils complete discrete and contextualised grammar activities**, which are carefully linked to each unit to support and enhance their writing.

Maths

Ratio and Proportion – Year 6 Objectives

- Use ratio language to describe the relationship between two quantities
- Solve problems involving the relative sizes of two quantities using multiplication and division
- Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples
- Link ratio to fractions and percentages
- Use scale factors to solve problems involving similar shapes
- Solve problems involving proportion (e.g. recipes, scaling quantities)

Algebra – Year 6 Objectives

- Use simple formulae expressed in words
 - Generate and describe linear number sequences
 - Express missing number problems algebraically
 - Find pairs of numbers that satisfy an equation with two unknowns
 - Enumerate possibilities of combinations of two variables
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