



Science at Bitterne Church of England Primary School



Year
6

Sustainability

- Light Pollution
- Renewable energy

Classification
Classify living things using a range of grouping systems and classification keys.



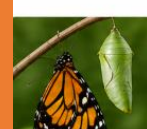
Electricity
Investigate how electricity works, including circuits, components and symbols.



Light
Explore how light travels, how we see and how shadows are formed.



Life Cycles
Explore the life cycles of animals, including insects, amphibians and mammals.



Evolution & Inheritance
Understand how living things have evolved over time and how characteristics are passed on.



Transition to KS3

Builds towards KS3

Our science curriculum builds knowledge, skills and understanding to prepare children for success in Key Stage 3 and beyond.



KS3

Reproduction
Explore how plants and animals reproduce.



Life Cycles
Explore the life cycles of animals, including insects, amphibians and mammals.



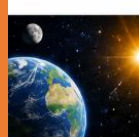
Human Development
Understand the changes as humans develop from birth to old age.



Properties & Changes of Materials
Investigate reversible and irreversible changes and separating mixtures.



Earth & Space
Learn about the Solar System, including the movement of the Earth and Moon.



Forces
Explore different forces, including gravity, air and water resistance and friction.



Sustainability

- Global warming
- Plastic pollution

Year
5

Digestive System & Food Chains
Explore how food is digested and how energy moves through food chains.



Habitats
Explore habitats and how environmental changes affect living things.



Electricity
Build and investigate simple electrical circuits.



Sustainability

- Food waste
- Biodiversity

Animals Including Humans
(skeletons, movement, nutrition)
Explore how our bodies work, including skeletons, movement and nutrition.



Rocks & Soils
Compare rocks and explore fossils and how soils are formed.



Light
Investigate light sources, reflection and shadows.



Plants
Explore plant parts, growth, water transport and reproduction.



Forces & Magnets
Investigate contact forces, friction and magnetic forces.

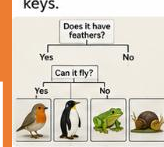


Year
4

Sustainability

- Energy
- Deforestation

Grouping & Classification
Group living things and use classification keys.



States of Matter
Explore solids, liquids, gases and changes of state.



Sound
Investigate vibrations, pitch, volume and how sound travels.



Year
3

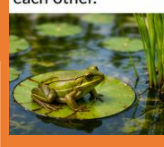
Growing Up
Explore offspring, growth and simple life cycles.



Plants
Investigate what plants need to grow and stay healthy.



Living Things & Habitats
Explore habitats and how living things depend on each other.



Materials
Explore materials, their properties and suitable uses.



Humans - Health
Understand how exercise, food and hygiene keep us healthy.



Animals - Survival
Explore what animals, including humans, need to survive.



Sustainability

- Plastic
- Wildlife

Year
2

Plants
Identify common plants and describe their basic structure.



Animals
Identify and group animals and explore what they eat.



EYFS

Autumn
We explore ourselves and our environment. We observe changes in autumn, explore materials and learn about animals and their habitats.



Spring
We notice changes as spring arrives. We explore plants and growth, learn about life cycles and continue to investigate the world around us.



Summer
We explore the natural world in summer. We learn about minibeasts, look at changes in materials and enjoy investigating through play and discovery.



Year
1

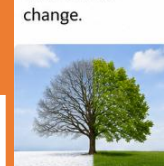
Sustainability

- Caring for the Planet
- Cooking and growing

Human Body
Name body parts and explore the five senses.



Seasonal Changes
Observe how weather, daylight and seasons change.



Materials
Identify, compare and describe everyday materials.

