



# Science at Danbury Park Community Primary School

At Danbury Park the children are encouraged to be curious about the world around them and to enjoy exploring and observing science in everyday life. This encourages the children to ask questions and develop the skills they need to answer those questions.

## Science in EYFS

In EYFS, science is included within the Understanding the World area of learning.

### Areas covered in Science in Key Stage 1

- 🦉 Plants (basic structure and life cycles)
- 🦉 Animals including humans (basic knowledge of the human body and comparing animals, the needs for survival, food and hygiene)
- 🦉 Everyday materials (describing properties including magnetic and non-magnetic)
- 🦉 Uses of everyday materials (explore and compare materials for uses)
- 🦉 Seasonal changes
- 🦉 Living things and their habitats (explore a variety of habitats, simple food chains)

### Areas covered in Science in Key Stage 2

- 🦉 Light (reflection, shadows, how light travels and how we see)
- 🦉 Forces and magnets (gravity, air resistance, water resistance, friction, magnetic materials, attracting and repelling)
- 🦉 Rocks (fossils and soils)
- 🦉 Living things and habitats (classification keys, characteristics of plant and animal groups, life cycles and reproduction in humans and plants)
- 🦉 States of matter (changes of state, evaporation and condensation)
- 🦉 Electricity (simple circuits, insulators and conductors, voltage and power in circuits, circuit components, symbols and diagrams)
- 🦉 Sound (vibration, pitch and volume)
- 🦉 Animals including humans (nutrition, skeleton and muscles, digestive system, teeth, circulatory system, diet and exercise, healthy living, human development from birth to old age and food chains)
- 🦉 Earth and Space (Earth, Sun and Moon, the solar system)
- 🦉 Evolution and inheritance (how living things have changed over time, fossils, dinosaurs, adaptation to environment)
- 🦉 Properties and changes of materials (dissolving, separating materials, reversible and irreversible changes)

In both key stages the children "work scientifically" which focuses on the skills they need to become accurate, careful and confident practical scientists.