



Science

Rosedale
Primary School

Curriculum Intent

Rosedale's Science curriculum aims to equip pupils so that they will:



develop scientific knowledge and conceptual understanding through the specific disciplines of **biology, chemistry** and **physics**



develop understanding of the **nature, processes** and **methods** of science through different types of **science enquiries** that help them to answer scientific questions about the world around them



are equipped with the scientific knowledge required to understand the uses and **implications of science, today and for the future**

Long-Term Overview

| | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
|--------|---|---|---|---|---|--|
| Year 1 | Seasonal changes: What changes can we see over the year? | Everyday Materials What are things made of? | Plants What plants do we have at Rosedale? | | Animals, including humans What makes an 'animal'? | |
| Year 2 | Uses of everyday materials How can I use materials? | Animals, including humans What keeps animals alive? | Plants How do plants grow? | | Living things and their habitats Staying alive! | |
| Year 3 | Rocks Rocks and soil | | Animals, including humans Nutrition, skeleton and muscles | Plants What are the parts of the plant and what do they do? | Forces and magnets What is a force? How do magnets work? | Lights Sources, shadows and the sun |
| Year 4 | Living things and their habitats Characteristics and classification | | Electricity How does electricity power the world? | Animals, including humans How and why do we eat? | States of Matter What are things made of? | Sound How do we hear? |
| Year 5 | Properties and changes of material What changes can we make? | | Forces What are friction and gravity? | Earth and Space Our planet and beyond | Living things and their habitats Life cycles and reproduction | Animals, including humans What happens as we grow old? |
| Year 6 | Electricity How can we make circuits? | | Light How does light travel? | Living things and their habitats Characteristics and classification | Evolution and Inheritance How has life changed over time? | Animals, including humans Why do we have a heart? |