



PHYSICS

Understanding how the universe works through energy, forces, motion, light and sound.



BIOLOGY

Exploring living things, their structure, processes, evolution and how they interact with their environment.



CHEMISTRY

Investigating the properties of materials, how they change and the reactions that shape our world.



EARTH SCIENCE

Understanding Earth and beyond, including the planet, atmosphere, space and the systems that sustain life.

SCIENCE NATIONAL CURRICULUM STATEMENTS YEAR 2

Pupils should be taught to...

MATERIALS



Material masters

CHANGING STATE – WORKING SCIENTIFICALLY



Material detectives: changing materials

ANIMALS INCLUDING HUMANS



Growing and staying healthy

PLANTS



Plant explorers

HABITATS – LIVING THINGS



Habitat hunters

WORKING SCIENTIFICALLY – STATUTORY REQUIREMENTS (DURING YEARS 1 & 2)

asking simple questions and recognising that they can be answered in different ways	✓	✓	✓	✓	✓
observing closely, using simple equipment	✓	✓	✓	✓	✓
performing simple tests	✓	✓	✓	✓	✓
identifying and classifying	✓	✓	✓	✓	✓
using their observations and ideas to suggest answers to questions	✓	✓	✓	✓	✓
gathering and recording data to help in answering questions	✓	✓	✓	✓	✓

LIVING THINGS AND THEIR HABITATS

explore and compare the differences between things that are living, dead, and things that have never been alive					✓
identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other					✓
identify and name a variety of plants and animals in their habitats, including microhabitats					✓
describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food					✓

PLANTS

observe and describe how seeds and bulbs grow into mature plants				✓	
find out and describe how plants need water, light and a suitable temperature to grow and stay healthy				✓	

ANIMALS, INCLUDING HUMANS

notice that animals, including humans, have offspring which grow into adults			✓		
find out about and describe the basic needs of animals, including humans, for survival (water, food and air)			✓		
describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene			✓		

USES OF EVERYDAY MATERIALS

identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses	✓	✓			
find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching	✓	✓			



Our Science curriculum ignites curiosity, builds knowledge and develops a deep understanding of our world. We explore the wonders of living things, materials, energy and the Earth to help every child make sense of the world and their place in it.

