



# Science Curriculum

## Rationale

A high-quality science education provides the foundations for understanding the world through the specific disciplines of biology, chemistry and physics. Science has changed our lives and is vital to the world's future prosperity, and all pupils should be taught essential aspects of the knowledge, methods, processes and uses of science. Through building up a body of key foundational knowledge and concepts, pupils should be encouraged to recognise the power of rational explanation and develop a sense of excitement and curiosity about natural phenomena. They should be encouraged to understand how science can be used to explain what is occurring, predict how things will behave, and analyse causes. At Crompton, this is what we aim to achieve when we teach our children.

## Subject Intent

At Crompton Primary, our science curriculum ensures that all children:

- develop scientific knowledge and conceptual understanding through 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.

<b>Year 1</b>	Animals, including Humans	Animals, including Humans	Plants	Everyday Materials	Seasonal Change	
<b>Year 2</b>	All living things and their habitats	Animals, including Humans	Plants	Everyday Materials	Everyday Materials	
<b>Year 3</b>	Animals, including humans	Plants	Plants	Rocks	Forces	Light

<b>Year 4</b>	Animals, including humans	All living things and their habitats	States of Matter	Electricity	Sound	
<b>Year 5</b>	All living things and their habitats	Animals, including humans	Properties and changes in materials	Forces	Earth and Space	
<b>Year 6</b>	Animals, including humans	All living things and their habitats	Evolution and Inheritance	Electricity	Light	

### **Implementation**

Through the teaching of science, children will be given opportunities to explore, use and apply content and investigate through experiments.

Assessment data is collected by staff at the end of each term using our data tracking program.

Staff knowledge is vital at Crompton Primary School; therefore, we ensure that staff are equipped to teach and deliver up to date content by providing effective CPD and appropriate resources.

### **Impact**

If the curriculum is delivered to its full potential, we will see a huge impact on our children's knowledge of science. We will see children develop scientific knowledge and understanding through the specific strands of science: biology, chemistry and physics. Children will have the opportunities to explore different types of scientific enquiries that will help them to answer scientific questions about the world around them and most importantly, if we gain the desired outcome, our children will be equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future.

Throughout the school year, the voice of children, their families and school staff are collected to ensure that the very best curriculum is accessible for all. Each child's progress is regularly monitored, assessed and recorded using our data tracking program.