

## Science - KS3

### Overview

The Key Stage 3 science curriculum focuses on two primary goals: building a solid foundation in science knowledge and fostering a deep understanding of scientific processes.

The aim is to introduce a wide range of scientific concepts while emphasising practical skills through hands-on experiments and investigations, that have been specifically chosen to deliver in the IMPACT provision. This approach encourages critical thinking and problem-solving abilities, preparing learners for future scientific study and real-world challenges.

Furthermore, the KS3 science curriculum intends to instil an appreciation for the dynamic nature of science, highlighting its connections to other subjects and promoting STEM subjects and careers. Simultaneously, it underscores the importance of ethical considerations in scientific advancements and environmental stewardship. Through a variety of assessment methods and inclusive practices, the curriculum ensures that learners of diverse abilities and learning styles can engage with and benefit from their science education, ultimately empowering them to become informed and scientifically literate individuals in our increasingly complex and technology-driven world.

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Year 7</b>	Cells and organisation	Atoms and the periodic table	Forces	Reproduction	States of matter and separating Materials	Energy changes and resources
<b>Year 8</b>	Health and The Human Body	Earth and The Atmosphere	Space	Photosynthesis and Respiration	Chemical Reactions	Electricity and Magnetism
<b>Year 9</b>	Materials and Recycling	Waves	Ecosystems and Interdependence	Acids and Alkalis	Motion and Pressure	Inheritance and Evolution