

Key Concepts

<u>Biology</u>	<u>Chemistry</u>	<u>Physics</u>
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Year 3	Year 4	Year 5	Year 6
Biology is the study of all living things. We will learn about the life cycle of a plant, what a balanced diet is and the functions of the human skeleton.	Biology is the study of all living things. We will learn how to group living things, how humans digest their food and what a food chain is.	Biology is the study of all living things. We will learn how a range of plants and animals reproduce.	Biology is the study of all living things. We will learn how to classify them scientifically. We will understand how the human circulatory system works and how nutrients are transported in plants and animals. We will explore the idea of evolution, inheritance and adaption.
Physics is the study of matter (anything that takes up space in the universe), how it moves and the energy it has. We will learn about rocks and fossils, how shadows are made. We learn about different forces and will explore how magnets behave.	Physics is the study of matter (anything that takes up space in the universe), how it moves and the energy it has. We will explore how sound is made and changed. We will learn how to create and change a simple circuit.	Physics is the study of matter (anything that takes up space in the universe), how it moves and the energy it has. We will learn about the solar system and the forces that act on land, in water and in the air.	Physics is the study of matter (anything that takes up space in the universe), how it moves and the energy it has. We will learn how light travels, how we see and how shadows change. We will explore how voltage affect different electrical components and we will represent these using scientific symbols.
Chemistry is the study of the substances that make up matter - everything that takes up space in the universe. It is also the study of how these substances change when they are mixed together.	Chemistry is the study of the substances that make up matter - everything that takes up space in the universe. It is also the study of how these substances change when they are mixed together. We will classify matter as a solid, liquid or gas and understand how some substances can change state.	Chemistry is the study of the substances that make up matter - everything that takes up space in the universe. It is also the study of how these substances change when they are mixed together. We will classify materials according to their physical and behavioural properties, explore reversible and irreversible changes and experiment with separating mixtures and solutions.	Chemistry is the study of the substances that make up matter - everything that takes up space in the universe. It is also the study of how these substances change when they are mixed together.

