

Science overview National Curriculum Links

	Autumn	Spring	Summer
Pre school	Children will learn over the year about things that are living and things that are not living. They will be able to explore the world around them and talk about what they can see and smell. They will ask questions about what they have observed. They will talk about the weather with simple terminology. They will show some understanding of seasons.		
Reception	Children will learn over the year about plants, minibests, names for baby animals and by the end of reception the children should be able to explore the natural world around them and make observations and draw pictures of animals and plants. The children will learn about what the word habitat means and how different animals can live in different habitats. They will learn about different animals who live in different climates. By the end of reception, they will know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class. The children will be able to talk about the changes in Autumn, Winter, Spring and Summer. They will know the seasons go in an order and they repeat every year. The children will observe natural processes through investigation e.g. melting ice or boats floating on water. By the end of reception the children should be able to understand some important processes and changes in the natural world around them, including the seasons and changing states of matter		
Year 1	Chemistry	Biology	Biology
	Can I name, sort and identify the properties of a range of everyday materials?	Can I classify a range of animals?	Can I name and identify common plants including trees?
	Physics	Physics	Physics
	Can I observe seasonal changes?	Can I observe seasonal changes?	Can I observe seasonal changes?
Year 2	Chemistry	Biology	Biology
	What are the uses of everyday materials?	How can animals survive in their habitat?	How do plants grow?
	Physics	Biology	Physics
	Can you observe the weather associated with different seasons?	How do humans and animals grow and stay healthy?	Can you observe the weather associated with different seasons?
Year 3	Physics	Physics	Biology
	What are contact and non-contact forces?	What is light?	What is the lifecycle of a plant?
	Biology	Chemistry	Biology
	What do humans and animals need to stay healthy and move well?	What are rocks and how are they formed?	What do humans and animals need to stay healthy and move well?
Year 4	Biology	Physics	Physics
	How can organisms be grouped in different ways?	What are electrical circuits?	What is sound?
	Chemistry	Biology	Physics
	How do materials change?	How does the human digestive system and its functions compare to those of animals?	What is sound?
Year 5	Physics	Physics	Chemistry
	What are forces and how do they act upon moving objects?	What do you know about our Solar system and how does it affect our daily lives?	What are the properties of materials and how can they be changed?
	Biology	Physics	Biology

	Can you example the life cycles of cycles of a mammal, an amphibian, an insect and a bird?	What do you know about our Solar system and how does it affect our daily lives?	How do some plants and animals reproduce?
Year 6	Physics	Biology- Evolution	Biology
	How do you change the brightness of a lamp or volume of a buzzer and how do you represent them in a simple circuit diagram?	How can you recognise that living things have changed over time?	What is the function of the circulatory system and its main parts?
	Physics	Biology	SATS preparation
	How does light appear to travel in straight lines?	What is classification and how is it used to group living things?	