



Year 1 Science Curriculum Overview

Based on White Rose Science Scheme (To be read alongside the National Curriculum)

Year 1	<u>Autumn 1</u>	<u>Autumn 2</u>	National Curriculum
<u>Autumn</u>	The Human Body Seasonal changes in Autumn	Materials Seasonal changes in Winter	<u>Animals, including humans:</u> <ul style="list-style-type: none"> Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense
Disciplinary knowledge (How are you teaching it?) (Skills)	<ul style="list-style-type: none"> Ask simple questions about the human body Observe seasons closely Identify and classify senses 	<ul style="list-style-type: none"> Ask simple questions about everyday materials Observe seasons closely Gather and record data to answer questions about materials Test and compare objects, materials and living things 	<u>Everyday materials:</u> <ul style="list-style-type: none"> Distinguish between an object and the material from which it is made Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock
Substantive knowledge (What are you teaching? /what are children learning?) (Knowledge)	<ul style="list-style-type: none"> Identify, name, draw and label the basic parts of the human body Recognise which part of the body is associated with each sense Understand the importance of senses and why humans need them to survive Identify changes in seasons 	<ul style="list-style-type: none"> Distinguish between an object and the material from which it is made Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock Describe the simple physical properties of a variety of everyday materials Understand that materials have properties that make them suitable for some purposes but not for others Observe the changes of state for water (ice, melting, puddles etc.) Identify changes in seasons 	<ul style="list-style-type: none"> Describe the simple physical properties of a variety of everyday materials Compare and group together a variety of everyday materials on the basis of their simple physical properties <u>Seasonal changes:</u> <ul style="list-style-type: none"> Observe changes across the 4 seasons Observe and describe weather associated with the seasons and how day length varies



Year 1 Science Curriculum Overview

Based on White Rose Science Scheme (To be read alongside the National Curriculum)

	<u>Spring 1</u>	<u>Spring 2</u>	<u>National Curriculum</u>
<u>Year 1</u> <u>Spring</u>	Planting A Animals	Sustainability - Caring for the planet Seasonal changes in Spring Planting B	<u>Animals, including humans:</u> <ul style="list-style-type: none"> • Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals • Identify and name a variety of common animals that are carnivores, herbivores and omnivores • Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals including pets)
Disciplinary knowledge <small>(How are you teaching it?) (Skills)</small>	<ul style="list-style-type: none"> • Ask questions about what something is and how things work • Make careful observations about plants • Gather and record data to answer questions 	<ul style="list-style-type: none"> • Ask questions about what something is • Use appropriate senses • Make careful observations about seasons and plants 	
Substantive knowledge <small>(What are you teaching? /what are children learning?) (Knowledge)</small>	<ul style="list-style-type: none"> • Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals • Identify and name a variety of common animals that are carnivores, herbivores and omnivores • Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets) • Observe changes in plants over time 	<ul style="list-style-type: none"> • Understand why it is important to care for our planet • Identify ways in which we can care for our planet • Identify changes in seasons • Observe changes in plants over time 	<u>Seasonal changes:</u> <ul style="list-style-type: none"> • Observe changes across the 4 seasons • Observe and describe weather associated with the seasons and how day length varies



Year 1 Science Curriculum Overview

Based on White Rose Science Scheme (To be read alongside the National Curriculum)

Year 1	<u>Summer 1</u>	<u>Summer 2</u>	National Curriculum
<u>Summer</u>	Plants Planting C	Sustainability - Growing and cooking Seasonal changes in Summer	Plants
Disciplinary knowledge (How are you teaching it?) (Skills)	<ul style="list-style-type: none"> Observe and compare changes in plants Make observations of plants growing Take measurements of plants Sorting plants and trees Use appropriate senses to describe plants 	<ul style="list-style-type: none"> Ask questions about food Explore the world around them in the local area Record observations using drawings Observe seasons closely 	<ul style="list-style-type: none"> Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees Identify and describe the basic structure of a variety of common flowering plants, including trees
Substantive knowledge (What are you teaching? /what are children learning?) (Knowledge)	<ul style="list-style-type: none"> Identify parts of a tree and understand their function Describe the basic structure of a variety of common plants including roots, stem, leaves and flowers Understand the different between wild and garden plants Identify plants in my local area Understand the difference between an evergreen and deciduous tree Explore and identify trees in my local area Observe changes in plants over summer 	<ul style="list-style-type: none"> Understand where the food children eat comes from Identify and name different sources of food Observe changes in plants over summer Explain the main changes in each season 	<p><u>Seasonal changes:</u></p> <ul style="list-style-type: none"> Observe changes across the 4 seasons Observe and describe weather associated with the seasons and how day length varies