Science Curriculum Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception	Human body and senses	Melting and Freezing	Earth and the solar system	Animals Habitats	Plants and animals: lifecycles	STEM project

Working Scientifically

In EYFS I will:

Plan

Choose the resources I need for my chosen activities and say when I do or don't need help

Do

I know about similarities and differences in relation to places, objects, materials and living things; Make observations of animals and plants; Explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function; Select and use technology for particular purposes

Record

Represent my own ideas, thoughts and feelings through design and technology, art, music, dance, role-play and stories

Review

Talk about the features of my own immediate environment and how environments might vary from one another; Explain why some things occur and talk about changes

Year One	Materials	Animals	Plants	Seasonal changes	Humans	STEM project
Year Two	Materials	Animals	Plants	Living things and their habitats	Humans	STEM project

Working Scientifically

In Y1 & Y2 I will use the following practical scientific methods, processes and skills:

Plan

Ask simple questions and recognise that they can be answered in different ways

Do

Observe closely, using simple equipment; Perform simple tests; Identify and classify

Record

Gather and record data to help in answering questions

Review

Use my observations and ideas to suggest answers to questions

Year Three	Materials	Animals including humans	Plants	Light	Forces	STEM project
Year Four	Materials	Animals including humans	Electricity	Living things and their habitats	Sound	STEM project

Working Scientifically

In Y3 & Y4 I will use the following practical scientific methods, processes and skills:

Plan

Ask relevant questions and use different types of scientific evidence to answer them; Set up simple practical enquiries, comparative and fair tests

Do

Make systematic and careful observations and, where appropriate, take accurate measurements using standard units, using a range of equipment, including thermometers and data loggers

Record

Gather, record, classify and present data in a variety of ways to help in answering questions; Record findings, using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables

Review

Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions; Use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions; Identify differences, similarities or changes related to simple scientific ideas and processes; Use straightforward scientific evidence to answer questions or to support their findings.

Year Five	Materials	Living things and their habitats	Forces	Earth and the solar system	Animals including humans	STEM project
Year Six	Evolution	Animals including humans	Electricity	Living things and their habitats	Light	STEM project

Working Scientifically

In Y5 & Y6 I will use the following practical scientific methods, processes and skills:

Plan

Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary

Do

Take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate

Record

Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs

Review

Use test results to make predictions to set up further comparative and fair tests; reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations; identifying scientific evidence that has been used to support or refute arguments.