

Curriculum Overview
Subject: Science
2017-18



Vision for Science:

To ensure coverage and give the children opportunities to explore physics, biology and chemistry. The children will have lots of practical engagement and experiments for all topics and will have chance to develop a wide range of skills including measuring, planning experiments, exploring through senses and also scientific enquiry.

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
KS2	Places, Faces and Different Spaces	That's Entertainment	Kings and their Kingdoms.	Get Moving!	Let's Go Outside	A Day at the Beach
	Different Weathers in different places	Magic Tricks and Changing State	Animals and their habitats	Exercise and staying healthy	Mini-beasts and plants	Materials and their properties
Yr 7/8 & 9	Places, Faces and Different Spaces	That's Entertainment	Kings and their Kingdoms.	Commonwealth Games	Creature Feature.	Life's a Beach
	Extreme Weather and Changes in state	Chemical reactions and magic experiments	Habitats and food chains	Muscles, exercise and our bodies	Mini-Beasts and evolution	Different Environments including the coast
Year 10*	Using Equipment to make Scientific Observations and Measurements TASK 1 - Know the types of observations and measurements in scientific investigations	Using Equipment to make Scientific Observations and Measurements TASK 2 - Know equipment needed for basic scientific observations and measurements	Using Equipment to make Scientific Observations and Measurements TASK 3 - Be able to make accurate scientific observations and measurements in given situations	Healthier Living TASK 1 Understand the importance of leading a healthy lifestyle	Healthier Living TASK 2 Be able to contribute to own healthy lifestyle	Healthier Living TASK 3 Understand how the activities undertaken affect health

Year 11*	<p>Skills and Techniques for Chemistry Investigations</p> <p>TASK 1 - Understand how chemical elements are classified</p>	<p>Skills and Techniques for Chemistry Investigations</p> <p>TASK 2 - Know the main factors involved in chemical reactions</p>	<p>Skills and Techniques for Chemistry Investigations</p> <p>TASK 3 - Know how to identify useful natural resources for use as potential future fuels</p> <p>TASK 4 - Be able to create useful chemical products from given starting materials</p>	<p>The Study of Living Systems</p> <p>TASK 1 - Know that cells are the building blocks of life which form tissues and carry out vital functions</p>	<p>The Study of Living Systems</p> <p>TASK 2 - Know the interactions within environments</p>	<p>The Study of Living Systems</p> <p>TASK 3 - Know the role of genes in inheritance and variation</p>

*Subject to change