



Progression of Knowledge and Skills

Subject: Science

Curriculum Leader: Kathryn Eversfield

Knowledge, skills

Skill	Reception	Year 1	Year 2
Working Scientifically	<ul style="list-style-type: none"> • Make close observations • Make predictions • Test their ideas • Choose an activity and adapt their strategy when needed. Plan how to reach their goal. • Make simple comparisons 	<ul style="list-style-type: none"> • Ask simple questions and recognise that they can be answered in different ways • Observe closely, using simple equipment • Perform simple tests • Identify and classifying • Use their observations and ideas to suggest answers to questions • Gather and record data to help in answering questions 	<ul style="list-style-type: none"> • Ask simple questions and recognise that they can be answered in different ways • Observe closely, using simple equipment • Perform simple tests • Identify and classifying • Use their observations and ideas to suggest answers to questions • Gather and record data to help in answering questions
Animals including Humans	<ul style="list-style-type: none"> • Begin to explore a range of animals and plants and can start to understand why changes occur. • Begin to name some of their own body parts 	<ul style="list-style-type: none"> • Compare and describe amphibians, fish, reptiles and birds – including pets. • Describe the structure of different animals • Identify, label and describe different body parts of animals and humans. • Name the body parts related to each sense. 	<ul style="list-style-type: none"> • Notice that animals, including humans have offspring that grow into adults. • Find out more about and Identify the basic needs of survival in humans and animals (food, water, air) • Understand the importance of exercise, diet and

		<ul style="list-style-type: none"> Know and classify omnivores, carnivores and herbivores. 	<p>hygiene for humans to be healthy.</p>
Living things and their habitats	<ul style="list-style-type: none"> Know about similarities and differences in relation to places, objects, materials and living things Talk about the features of their own immediate environment and how environments might vary from one another Start to explore seasonal changes 		<ul style="list-style-type: none"> Identify the characteristics things that are alive, have never been alive and that are dead. Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other Identify and name a variety of plants and animals in their habitats, including micro-habitats Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food
Use of everyday materials	<ul style="list-style-type: none"> Learn the properties of some materials and begin to understand what they can be used for. 	<ul style="list-style-type: none"> Distinguish between an object and the material from which it is made 	<ul style="list-style-type: none"> Identify and compare the suitability of a variety of everyday materials, including wood, metal,

	<ul style="list-style-type: none"> • Begin to look at similarities and differences in relation to people, materials and living things. • Start to look at changing states of matter 	<ul style="list-style-type: none"> • 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 material 	<p>plastic, glass, brick, rock, paper and cardboard for particular uses</p> <ul style="list-style-type: none"> • Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching
Plants	<ul style="list-style-type: none"> • Look closely at plants and observe differences – draw pictures • Begin to explore the school environment and look at different plants. 	<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 	<ul style="list-style-type: none"> • Observe and describe how seeds and bulbs grow into mature plants • Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy
Seasonal Changes	<ul style="list-style-type: none"> • Start to understand seasons • Explore what weather is like in different parts of the world. 	<ul style="list-style-type: none"> • Look at weather changes across the 4 seasons. • Begin to understand how day length varies throughout the year 	