Prior's Mill – Long Term Plan

Development Matters							
Early Years		Year One	Year Two	Year Three	Year Four	Year Five	Year Six
<u>The Natural world</u> To describe what they see, hear and feel using a wide vocabulary e.g. through learning walks. Begin to understand the need to respect and care for the natural environment and all living things e.g. bug hunts. Plant seeds and care for growing plants knowing their basic needs. To explore the natural world around them and to understand the key features of life cycles e.g. tadpoles, chicks & ducks To make observations and drawing pictures of animals and plants. 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.	Autumn One	*Our Environment Know how to respect and handle living things. Observe and describe changes that take place across the year. Describe simple features, living things or events. Everyday Materials Identify and classify materials. Understand physical properties of materials. Perform Simple Tests. Compare and group together materials.	*Local Habitats Ask simple questions. Describe the changes across the four seasons. Present ideas and evidence. Describe their ideas and observations. Materials Identify and compare materials. Perform Simple Tests.	*Animals Homes Observing closely and identifying. Suggesting suitable sites. Provide homes and methods to attract animals. Animals and Skeletons Identify the nutrition that animals and humans need. Identify that humans and animals have skeletons and muscles.	*Respecting our Environment Identify impacts. Identify ways to protect and improve. Present ideas and evidence. Describe ideas and observations. Draw simple conclusions about observations. Classification Recognise that living things can be grouped in different ways. Explore and use classification keys. Group, identify and name a variety of living things.	*Decaying and Recycling Describe the process and its usefulness. Identify materials. Plan a scientific enquiry. Record findings and estimate results. Draw upon investigation results. Forces Understand the force of gravity. Identify the effects of resistance and friction. Recognise what mechanisms allow a smaller force to have a greater effect.	*Field Studies Use and evaluate sampling techniques. Compare populations over the course of the year. Provide reasons for changes. Heart and Lungs Identify and name parts of the human circulatory system. Describe the functions of the heart, blood vessels and blood. Describe the ways in which harmful substances affect the body.
	Autumn Two	*Revisit obs over time Weather	Living Things Explore and compare differences. Identify and name a variety	Forces and Magnets Compare movements. Identify what forces are and how they work.		Earth and Space Understand the solar system. Describe the Sun, Earth and Moon	Classification Describe how living things are classified into broad groups. Give reasons for classifying plants

Understand some important processes and changes in the natural world around them, including the seasons e.g. seasonal walks. **Forces and States of Matter** Explore how things work. Explore and talk about different forces they can feel. Talk about and explore the differences and similarities between materials and changes they notice. Understand changing states of matter e.g. melting chocolate & ice.		Observing and describing the weather. Gathering and recording data.	of plants and animals. Identify and name different sources of food.	Observe how magnets attract and repel. Compare and group everyday materials on their ability to attract and repel.		as spherical bodies. Explain day and night in relation to the Earth and the Sun.	and animals based on specific characteristics.
	Spring One	Plants Identifying and naming a variety of common wild and garden plants. Identifying and describing a variety of common flowering plants.	*Revisit obs over time Animals and their needs Understand that animals have offspring. Discover and describe the basic needs of animals. Describe the importance of exercise, eating healthy and hygiene.	*Revisit obs over time Plants Identify and describe the functions of different parts of flowering plants. Explore the requirements of plants for life and growth. Investigate how water is transported within plants. Explore the life cycle of flowering plants.	*Revisit obs over time Electricity Identify common appliances that run on electricity. Construct a simple series electrical circuit. Recognise some common conductors and insulators.	*Revisit obs over time Mixtures and Reactions Compare and group everyday materials using their properties. Identify and understand the changing state of matter in dissolving and mixing. Carry out comparative and fair tests.	*Revisit obs over time Electricity Compare and understand the variations of how components function. Use recognised symbols to draw simple diagrams of circuits.
	Spring Two		Plants Observe and describe seeds and bulbs. Find out and describe what plants need to grow and stay healthy.	Light Recognise the need for light. Recognise that light from the sun can be dangerous and how to protect themselves. Recognise and describe how shadows are formed.	Sound Identify how sounds are made. Recognise how vibrations travel. Find patterns in the pitch and features of the objects. Find patterns in the volume and	Life Cycles Describe the differences in life cycles of a mammal, an amphibian, an insect and a bird. Describe the life process of reproduction in some plants and animals.	

					strength of vibrations.		
	Summer One	*Revisit obs over time The Animal Kingdom Identifying and classifying animals. Describing and comparing a variety of animals. Identifying, naming, drawing and labelling basic parts of the human body.	*Revisit obs over time Habitats Identify and describe habitats. Understand Microhabitats.	*Revisit obs over time Rocks Compare and group together different rocks. Describe how fossils are formed. Recognise what soils are made from.	*Revisit obs over time Digestion Describe the simple functions of the digestive system. Identify the different types of teeth and their functions. Construct and interpret a variety of food chains.	*Revisit obs over time Human Development Describe the changes as humans develop to old age.	*Revisit obs over time Light Recognise how light travels. Explain how light travels from light sources to our eyes.
	Summer Two				States of Matter Compare and group materials together. Observe and understand the changing state of materials. Identify what evaporation and condensations are in the water cycle.		Evolution Recognise how living things have changed over time. Recognise that living things produce offspring of the same kind. Identify how animals and plants adapt to suit their environment in different ways.