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|  **Development Matters**Prior’s Mill – Long Term Plan |  |  |
| **Early Years** |  | **Year One** | **Year Two** | **Year Three** | **Year Four** | **Year Five** | **Year Six** |
| **The Natural world**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 & ducksTo 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. 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. | **Autumn One** | \*Our EnvironmentKnow 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 MaterialsIdentify and classify materials.Understand physical properties of materials.Perform Simple Tests.Compare and group together materials. | \*Local HabitatsAsk simple questions.Describe the changes across the four seasons.Present ideas and evidence.Describe their ideas and observations.MaterialsIdentify and compare materials.Perform Simple Tests.  | \*Animals HomesObserving closely and identifying.Suggesting suitable sites.Provide homes and methods to attract animals.Animals and SkeletonsIdentify the nutrition that animals and humans need.Identify that humans and animals have skeletons and muscles.  | \*Respecting our EnvironmentIdentify impacts.Identify ways to protect and improve.Present ideas and evidence.Describe ideas and observations.Draw simple conclusions about observations.ClassificationRecognise 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. ForcesUnderstand the force of gravity.Identify the effects of resistance and friction.Recognise what mechanisms allow a smaller force to have a greater effect.  | \*Field StudiesUse and evaluate sampling techniques.Compare populations over the course of the year.Provide reasons for changes.Heart and LungsIdentify 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** | Living ThingsExplore and compare differences.Identify and name a variety of plants and animals.Identify and name different sources of food. | Forces and MagnetsCompare movements.Identify what forces are and how they work.Observe how magnets attract and repel.Compare and group everyday materials on their ability to attract and repel. | DigestionDescribe the simple functions of the digestive system.Identify the different types of teeth and their functions.Construct and interpret a variety of food chains. | Earth and SpaceUnderstand the solar system.Describe the Sun, Earth and Moon as spherical bodies.Explain day and night in relation to the Earth and the Sun. | ClassificationDescribe how living things are classified into broad groups.Give reasons for classifying plants and animals based on specific characteristics. |
| **Spring One** | \*Revisit obs over timeWeatherObserving and describing the weather.Gathering and recording data. | \*Revisit obs over timeHabitatsIdentify and describe habitats.Understand Microhabitats.  | \*Revisit obs over timePlantsIdentify 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 timeElectricityIdentify common appliances that run on electricity.Construct a simple series electrical circuit.Recognise some common conductors and insulators. | \*Revisit obs over timeMixtures and ReactionsCompare 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 timeElectricityCompare and understand the variations of how components function.Use recognised symbols to draw simple diagrams of circuits. |
| **Spring Two** | PlantsIdentifying and naming a variety of common wild and garden plants. Identifying and describing a variety of common flowering plants. | PlantsObserve and describe seeds and bulbs.Find out and describe what plants need to grow and stay healthy. | LightRecognise 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. | SoundIdentify how sounds are made.Recognise how vibrations travel.Find patterns in the pitch and features of the objects.Find patterns in the volume and strength of vibrations. | Life CyclesDescribe 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. |  |
| **Summer One** | \*Revisit obs over timeThe Animal KingdomIdentifying and classifying animals. Describing and comparing a variety of animals. Identifying, naming, drawing and labelling basic parts of the human body. | \*Revisit obs over timeAnimals and their needsUnderstand that animals have offspring.Discover and describe the basic needs of animals.Describe the importance of exercise, eating healthy and hygiene. | \*Revisit obs over timeRocksCompare and group together different rocks.Describe how fossils are formed.Recognise what soils are made from. | \*Revisit obs over timeStates of MatterCompare and group materials together.Observe and understand the changing state of materials.Identify what evaporation and condensations are in the water cycle. | \*Revisit obs over timeHuman DevelopmentDescribe the changes as humans develop to old age. | \*Revisit obs over timeLightRecognise how light travels.Explain how light travels from light sources to our eyes. |
| **Summer Two**  | EvolutionRecognise 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. |