OVERVIEW OF NATURAL SCIENCES PLANNING

	YEAR 1 OF CYCLE (2021-2022)			YEAR 2 OF CYCLE (2022-2023)			YEAR 3 OF CYCLE (2023-2024)		
	TERM 1	TERM 2	TERM 3	TERM 1	TERM 2	TERM 3	TERM 1	TERM 2	TERM 3
	All About Me	Dinosaurs	Different Environments *(e.g. desert, jungle, rainforest, pond, ocean)*	Holidays & Transport	Weather	Life Cycles	Recreation and Leisure	The World Around Us	People Who Help Us
Natural Sciences Coverage	**Animals including humans** Identify and name a variety of common animals that are birds, fish, amphibians, reptiles, mammals (inc humans) and invertebrates. Use the senses to experience a range of animals through images, video and in real life Identify,	**Plants (garden and wild)** Identify and name a variety of common plants, including garden plants and wild plants Identify and name a range of fruits and vegetables Locate seeds within fruits Identify and describe the basic structure of common	**Living Things & Their Habitats** 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.	**Plants (trees)** Identify and name a variety of common plants, and trees (and those classified as deciduous and evergreen*) Identify and describe the basic structure of trees. Life cycle of a tree	**Seasonal Changes** Observe and describe weather associated with the seasons Observe changes across the four seasons.	**Animals including humans** Notice that animals, including humans, have offspring which grow into adults. Identify and name a variety of common animals that are carnivores, herbivores and omnivores* Describe and compare the structure of a	**Seasonal Changes** Observe and describe how day length varies. Observe changes across the four seasons.	**Animals including humans** Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene Find out about and describe the basic needs of animals, including humans, for survival Identify food sources for animals	**Plants (seeds and bulbs)** Observe and describe how seeds and bulbs grow into mature plants Life cycle of a seed Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy

	name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.	flowering plants.				variety of common animals (fish, amphibians, reptiles, birds and mammals inc pets)			
	*It is not necessary to use these terms with the children, but these groups of plants and animals should be included in the range studied.								
PBL Science Coverage	N/A	N/A	**Materials**	N/A	**Light & Sound**	N/A	N/A	**Everyday Materials**	N/A
	Healthy Me	Famous People	Ancient Egypt	From Farm to Fork	Mission To Mars & Beyond *Keen To Be Green (CLDD)*	Keen To Be Green *Mission To Mars & Beyond (CLDD)*	It's My Life	All Around the World	Eating Out *Ocean Exploration (CLDD)*
Natural Sciences Coverage	**Plants (garden and wild)** Identify, name and group/classify a variety of common plants including; garden plants, wild plants and deciduous and evergreen trees. Identify and describe the functions of	**Animals including humans** Identify that humans and some other animals have skeletons and muscles for support, protection and movement Identify the different types of teeth	**Living Things & Their Habitats** 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	**Seasonal Changes** Observe and describe weather associated with the seasons Observe changes across the four seasons.	**Living Things & Their Habitats** Explore and compare the differences between things that are living, dead, and things that have never been alive Recognise that living things can be grouped in a	**Plants (seeds and bulbs)** Explore the part that flowers play in the life cycle of flowering plants (including pollination, seed formation and seed dispersal)	**Animals including humans** Identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat	**Plants (trees)** Identify and name describe the functions of different parts of a tree: roots, stem/trunk, leaves and flowers/seeds Investigate the way in which water is transported within plants.	**Seasonal Changes** Investigate how day length varies in different seasons Explore and look for patterns in how shadows are created and how they change during the day.

	different parts of flowering plant: roots, stem/trunk, leaves and flowers Explore the requirements of plants for life and growth (air, light, water, nutrients from soil and room to grow) and how they vary from plant to plant.	in humans and their functions Describe the changes as humans develop to old age	plants and how they depend on each other Describe the differences in the life cycles of a mammal, amphibians, insect and bird. In simple terms describe the process of reproduction in some common animals and plants. ***Evolution and inheritance** Recognise that living things produce offspring of the same kind but that they vary and are not identical to their parents.		variety of ways Explore and use classification keys to help group, identify and name a variety of living things in their local environment Recognise that environments can change and that this can sometimes pose dangers to living things	Explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plants to plant	Recognise the impact of diet, exercise, drugs and lifestyle on the ways in which bodies function In simple terms describe how the digestive system works in humans. Construct and interpret food chains	***Evolution and inheritance** Identify how plants (and animals) are adapted to suit their environment in different ways and that adaptation may lead to evolution.	***Earth and space** Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.
	***Secondary topic but links to primary so relevant**								

PBL Science Coverage	N/A	**Magnets & Electricity**	N/A	**States of Matter & Changes**	**Earth & Space Inc Rocks**	**Everyday Materials**	N/A	**Light & Sound**	**States of Matter & Changes**