



## St. Marie's Science LTP

Science encourages our children to respond to the big questions about the purpose and meaning of God's creations. Great are the works of the Lord, studied by all who delight in them (Psalm 111:2).

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	The Natural World ELG Children at the expected level of development will: <ul style="list-style-type: none"> <li>Explore the natural world around them, making observations and drawing pictures of animals and plants;</li> <li>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;</li> <li>Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.</li> </ul>					
1	<b>EVERYDAY MATERIALS</b>	<b>ANIMALS, INCLUDING HUMANS (ANIMALS)</b> identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals identify and name a variety of common animals that are carnivores, herbivores and omnivores describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets)	<b>ANIMALS, INCLUDING HUMANS (HUMANS)</b> identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.	<b>PLANTS</b> identify and name a variety of common wild and garden plants, including deciduous and evergreen trees (Walk around school, local area, take photos, drawings etc and label)	<b>PLANTS</b> identify and describe the basic structure of a variety of common flowering plants, including trees.	<b>SEASONAL CHANGES (ROUND UP)</b>

CONT. OBJ: SEASONAL CHANGES (GEOG LINK) OBSERVE ALL YEAR- PHOTOS, FIRST HAND EXPERIENCES						
2	USE OF EVERYDAY MATERIALS	PLANTS (BULBS) 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.	ANIMALS, INCLUDING HUMANS	PLANTS (SEEDS) 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.	LIVING THINGS AND THEIR HABITATS explore and compare the differences between things that are living, dead, and things that have never been alive 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	LIVING THINGS AND 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, and identify and name different sources of food.
3	ANIMALS, INCLUDING HUMANS NUTRITION 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	ANIMALS INCLUDING HUMANS SKELETONS AND MUSCLES identify that humans and some other animals have skeletons and muscles for support, protection and movement.	ROCKS	FORCES AND MAGNETS	LIGHT (SHADOW)	PLANTS
4	STATES OF MATTER	ANIMALS, INCLUDING HUMANS DIGESTIVE AND TEETH	ELECTRICITY	SOUND	LIVING THINGS AND THEIR HABITATS	ANIMALS, INCLUDING HUMANS FOOD CHAINS construct and interpret a variety of food chains,

		describe the simple functions of the basic parts of the digestive system in humans identify the different types of teeth in humans and their simple functions				identifying producers, predators and prey
5	PROPERTIES AND CHANGES IN MATERIALS	PROPERTIES AND CHANGES IN MATERIALS	ANIMALS, INCLUDING HUMANS	LIVING THINGS AND THEIR HABITATS	EARTH AND SPACE	FORCES
6	EVOLUTION AND INHERITANCE	ELECTRICITY	ANIMALS, INCLUDING HUMANS 1 identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function	ANIMALS, INCLUDING HUMANS 2 describe the ways in which nutrients and water are transported within animals, including humans.	LIGHT	LIVING THINGS AND THEIR HABITATS describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants and animals give reasons for classifying plants and animals based on specific characteristics.