



Science - Trinity First School



Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	Label a picture of the human body. Bodies – keeping healthy	Talk about and look at different vegetables. Look at growing areas. Wonderful Winter Hunt – Nature Detectives	What goes on or in the body? Create a medicine chest of familiar medicine. Teach that only adults/some adults can give you medicines. Signs of winter walk. Making ice cakes and exploring ice.			
1	<u>Animals including Humans</u> Name and locate parts of the human body, including those related to the senses	<u>Everyday Materials</u> Identify and group everyday materials	<u>Seasons and Changes</u> Describe seasonal changes Describe the weather associated with each season and how day length varies	<u>Plants</u> Identify and name a variety of common wild and garden plant Identify and name a variety of common evergreen and deciduous trees Identify and describe the basic structure of plants, including trees	<u>Everyday materials</u> Describe the properties of different materials	<u>Animals including Humans</u> Describe and compare animals based on what they look like from a range of groups (fish, amphibians, reptiles, birds and mammals) Group animals according to what they eat (carnivores, omnivores, herbivores)
2	<u>Living things and their habitats</u> Describe the importance of exercise, a balanced diet and hygiene for humans. Describe the basic needs of animals for survival Describe the main changes as young animals, including humans, grow into adults	<u>Living things and their habitats</u> Identify whether things are alive, dead, or have never lived Describe how animals get their food from other animals and/or from plants and use simple food chains to describe these relationships	<u>Living things and their habitats</u> Describe how animals get their food from other animals and/or from plants and use simple food chains to describe these relationships Name different plants and animals and describe how they are suited to different habitats including micro habitats	<u>Uses of Everyday Materials</u> Compare different materials suitability for different uses including wood, metal, plastic, glass, brick, rock, paper and cardboard Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching	<u>Plants</u> Describe the basic needs of plants for survival and the impact of changing these Describe the main changes as seeds and bulbs grow into mature plants	<u>Uses of Everyday Materials</u> Compare different materials suitability for different uses including wood, metal, plastic, glass, brick, rock, paper and cardboard Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching
3	<u>Animals Including Humans</u> Where's your funny bone? Name and describe the functions of the main parts of the musculoskeletal system Identify that animals, including humans, need the right type and amount of nutrition Understand that animals, including humans, get nutrition from what they eat; they cannot make their own food		<u>Rocks</u> What's under our feet? Describe how fossils are formed Group and identify different types of rocks according to their properties and observations Explain that soils are made from rocks and organic matter	<u>Light and Shadows</u> Explain that light travelling in a straight line can form shadows Explain how the source of light can affect the size of shadows Explain that I need light to be able to see and that darkness is the absence of light Explain that light is reflected from surfaces explain that light from the sun can be dangerous and identify ways to protect my eyes	<u>Plants</u> Name, locate and describe the functions of the main parts of a plant Explain how water and nutrients are transported around a plant Describe what a plant needs for life and growth Explain the part that flowers play in the lifecycle of plants, including pollination, seed formation and seed dispersal	<u>Forces & Magnets</u> Describe the effects of simple forces that act at a distance (magnetic forces, including those between like and unlike magnetic poles) Describe magnets as having 2 poles and predict whether two magnets will attract or repel each other based on which poles are facing Identify which everyday objects are attracted to a magnet and identify magnetic materials Compare how things move on different surfaces

4	<p><u>Animals Including Humans</u> Name and describe parts of the digestive system Construct and interpret food chains Name and describe the different types of teeth in humans and what they do</p>	<p><u>Living things and their habitats</u> Explain how environmental changes may have an impact on living things Use classification keys to group, identify and name living things (including things in local and wider environments)</p>	<p><u>States of Matter</u> Describe the characteristics of different states of matter Group materials based on their state of matter Describe how materials change state at different temperatures Explain how different temperatures make the water cycle</p>	<p><u>Electricity</u> Identify common appliances that run on electricity Construct a simple series circuit, identifying and naming the basic parts Explain that a switch opens and closes a circuit which will affect whether a lamp will light in a simple series circuit Name some common conductors and insulators (understanding that metals are good conductors)</p>	<p><u>Sound</u> Understand that sounds are made by vibrations and they require a medium to travel through Explain how sounds are made and heard Describe the relationship between the volume of a sound, the strength of its vibrations and the distance from its source</p>	
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