

Dilton Marsh C of E Primary School – Science Whole School Overview

Year Group	Seasonal changes	Animals (Including humans)	Materials	Plants	Living things and habitats	Light	Forces and magnets	Rocks	States of matter	Electricity	Sound	Earth and Space	Evolution and inheritance
EYFS	<ul style="list-style-type: none">• Autumn walk and changing seasons.• Winter into spring walk.• Changes in the weather	<ul style="list-style-type: none">• Developing an understanding of our senses• Sight, smell, hear, touch and taste.• Healthy and unhealthy living.• Farming.	<ul style="list-style-type: none">• Discussing how some materials change.• Seeing patterns in nature and fingerprints.• Waterproof materials.	<ul style="list-style-type: none">• Observing the life cycle of a plant.	<ul style="list-style-type: none">• Our environment• Looking at litter and ways to help our school.• Observations of surroundings.• Life cycle of butterflies and frogs.	<ul style="list-style-type: none">• Exploring colour in light.	<ul style="list-style-type: none">• Floating• Sinking		<ul style="list-style-type: none">• Melting materials		<ul style="list-style-type: none">• Our senses and how we hear		
1	<ul style="list-style-type: none">• Features of day and night including temperature• Weather, associated with seasons	<ul style="list-style-type: none">• Identification and labelling a variety of common animals (fish, amphibians, reptiles, birds and mammals)• Know carnivores, herbivores and omnivores• How to care for pets• Name parts of the human body	<ul style="list-style-type: none">• Identify and name a range of materials (wood, plastic, glass, metal, water and rock;• Classifying and grouping according to a range of physical properties	<ul style="list-style-type: none">• Identification and labelling, including trees• Structure of plants, including roots, stem, flower, etc.									
2		<ul style="list-style-type: none">• Exercise and healthy living• What animals and humans need to survive• Animals have offspring, which grow to be adults	<ul style="list-style-type: none">• Use of different everyday materials• Classifying and grouping• Changing materials by bending, etc.	<ul style="list-style-type: none">• What plants and seeds need to grow• Growing from seeds and bulbs	<ul style="list-style-type: none">• Habitats• Living and non-living things• Early Food Chains								
3		<ul style="list-style-type: none">• Nutrition, linked to what we eat• Skeletons and muscles		<ul style="list-style-type: none">• Function of different parts of plants• What different plants need to flourish• Journey of water through a plant• Life cycle of a plant		<ul style="list-style-type: none">• Sources, including the Sun• Protecting eyes from the Sun• Shadows• Reflection /mirrors	<ul style="list-style-type: none">• How magnets attract/repel some materials• Magnetic poles• Friction	<ul style="list-style-type: none">• How rocks are formed• Different kinds of rocks• Fossils• Soil					
4		<ul style="list-style-type: none">• Digestive System• Teeth• Food chains• Predators and prey			<ul style="list-style-type: none">• Identify and name a variety of living things (plants and animals) in the local and wider environment and group them• Recognise that environments can change and can pose dangers				<ul style="list-style-type: none">• Solids, Liquids and Gases• Heating and cooling (no baking, etc.)• Evaporation and condensation	<ul style="list-style-type: none">• Identify common appliances• Construct simple circuits including switches• Common conductors and insulators• Alternative sources of energy	<ul style="list-style-type: none">• Sources• Vibration• Loud and faint• Pitch• Volume• Sound travelling		
5		<ul style="list-style-type: none">• Changes as humans develop from birth to old age	<ul style="list-style-type: none">• Dissolving• Evaporating• Filtering• Reversible and Irreversible changes		<ul style="list-style-type: none">• Life cycles of plants and animals• Birth, growth, development and reproduction		<ul style="list-style-type: none">• Gravity• Air Resistance• Water Resistance• Friction• Gears, Pulleys, Leavers and Springs					<ul style="list-style-type: none">• Earth relative to the Sun• Moon relative to the Earth• Relationship between Sun, Earth and Moon• Earth’s rotation• Day and night	

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6		<ul style="list-style-type: none">•Circulatory system•Heart, blood vessels•Diet, exercise and drugs•Transport of nutrients through the body			<ul style="list-style-type: none">•Classification of living things•Vertebrates and invertebrates•Classifying reptiles, amphibians, mammals, insects, etc.	<ul style="list-style-type: none">•How light travels•The eye•Shadows				<ul style="list-style-type: none">•Electrical circuits (series)•Designing traffic lights			<ul style="list-style-type: none">•Fossils tell us about the past•Offspring•Changes to the human skeleton over time•Darwin
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