Science Curriculum Whole School Overview

Year	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
N	Seasonal Changes Materials and Properties	Seasonal Changes Changing state and creating shadows	Seasonal Changes Sorting by properties, testing materials	Seasonal Changes Different Forces - Floating and Sinking	Seasonal Changes Lifecycle of Animals and Plants	Seasonal Changes Investigate Shadows
R	Seasons Forces	Seasonal Changes Materials	Seasons Dinosaur habitats	Seasons Environment	Seasons Habitats - minibeasts Plants- what they need to grow	Seasonal Changes Senses & Sound
1	**Animals including humans** Identify and name common animals.	**Materials** Name everyday materials	**Plants** Identify and describe the structure of plants and trees. ame common plants and trees.	**Animals including humans** Describe different body parts and senses.	**Materials** Compare and group everyday materials	**Seasonal Change** The four seasons
2	**Animals including humans** Offspring	**Plants** Identify and name common plants and trees. What do plants need?	**Living things and their Habitats** Animals, plants and their habitats and food chains	**Animals including humans** What do animals need for survival?	**Materials** Suitability of everyday materials.	**Materials** How everyday materials can be manipulated.
3	**Rocks** Compare and group different types of rocks. Fossils. What soil is made from.	**Forces and Magnets** How do objects move on different surfaces? Magnetic forces. Magnetic materials.	**Animals including humans** Skeletons and muscles.	**Animals including humans** Diet and nutrition.	**Plants** Parts of a plan and their functions. LIfe cycle of flowering plants.	**Light** Light from the sun. How shadows are formed. Reflection.
4	**States of Matter** Solids, liquids and gases. Changes of state. The Water cycle.	**Living things and their habitats** Classifying animals. Environments.	**Sound** How sounds are made. Sound waves. Volume and pitch.	**Animals including humans** Describe the digestive system. Identify different types of teeth.	**Animals including humans** Construct food chains.	**Electricity** Common appliances. Simple electrical circuits. Conductors and insulators.

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5	**Materials** Properties of materials	**Materials** Separating mixtures. Dissolving. Reversible and irreversible changes.	**Living things and their habitats** Life cycles of a mammal, an amphibian, an insect and a bird. Reproduction in plants and animals.	**Forces** Gravity, air resistance, water resistance and friction Mechanisms, including levers, pulleys and gears to reduce load	**Earth and Space** The solar system. The movements of the Earth, Sun and moon. The Earth's rotation and day and night.	**Animals including humans** Describe the changes as humans develop to old age
6	**Evolution and Inheritance** Fossils and what they tell us.	**Evolution and Inheritance** Natural selection and adaptation.	**Light** How light travels. The Human Eye.	**Living things and their habitats** Classifying plants and animals based on specific characteristics	**Animals including humans** Identify parts of the circulatory system. Describe the ways in which nutrients and water are transported within animals	**Electricity** Voltage of cells in a circuit. Components of a circuit. Scientific symbols in circuit diagrams.