New 2014 Curriculum Plan for Science

Year					
1	**Plants** Identify and name a variety of wild and garden plants.	**Animals, including humans** Identify and name animals including fish, amphibians, reptiles, birds and mammals.	**Everyday materials** Identify and name a variety of everyday materials.	**Seasonal changes** Observe changes across the four seasons Observe weather conditions and varying length of day.	
2	**Living things and their habitats** Compare differences between things that are living, dead or have never been alive.	**Plants** Observe and describe how seeds grow into mature plants.	**Animals, including humans** Notice that animals, including mammals have offspring that grow into adults.	**Uses of Everyday materials** Identify and compare the use of materials for particular purposes.	
3	**Plants and growth** Identify the functions of different parts of flowering plants.	**Healthy eating, healthy bodies** Identify that animals, including humans, need the right types and amounts of food.	**Rocks, fossils and soil** Compare and group together kinds of rocks on the basis of their appearance and properties.	**Light and shadows** Recognise they need light in order to see things and that dark is the absence of light.	**Forces and Magnets** Compare how different things move on different surfaces.
4	**Classification** Recognise that living things can be grouped in a variety of ways.	**Digestion, teeth and food chains** Describe the simple functions of the basic parts of the digestive	**Solids, liquids and gases** Compare and groups materials according to whether they are solids, liquids or gases.	**Sound and vibrations** Identify how sounds are made, associating some of them with something vibrating.	**Circuits and components** Construct a series of simple electrical circuits, identifying and

		system.			naming the its basic parts, including cells, wires, bulbs, switches and buzzers
5	**Living things and their habitats** Describe the differences of the life cycle of a mammal, an amphibian, an insect and a bird.	**Animals and humans** Describe the differences as humans develop to old age.	**Changes of materials** Compare and group together materials on the basis of their properties, including their hardness, solubility, transparency, conductivity and response to magnets.	**Earth and Space** Describe the movement of the Earth, and other planets, relative to the Sun in the solar system.	**Forces** Explain that unsupported objects fall towards the Earth because of the forces of gravity
6	**Living things and their habitats** Describe how living things are classified into broad groups a according to common observable characteristics, including micro-organisms, plants and animals.	**Animals, including humans** Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood.	**Evolution and inheritance** Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago.	**Light** Recognise that light appears to travel in straight lines. Be able to explain that objects are seen because they give out or reflect light into the eye.	**Electricity** Associate the brightness of a lamp or the volume of a buzzer with the number and voltage of the cells used in the circuit.

Working scientifically is a key focus across all year groups and must be given the highest priority.

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