

## Emscote Infant School Science Plan 2018-20

Year 1			
Area	Teacher		
Working Scientifically (Y1)	WT	WA	GD
Ask simple questions and understand that they can be answered in different ways.			
Observe closely, using simple equipment (like magnifying glasses).			
Perform simple tests (to find things out).			
Identify and classify (sort) living and non- living things.			
Use my observations and ideas to suggest answers to questions.			
Gather and record data (information) to help in answering questions.			
<b>Animals including humans</b>			
<i>(1) Identify and name lots of common animals including fish, amphibians, reptiles, birds and mammals.</i>			
<i>(1) Identify and name lots of common animals that are carnivores, herbivores and omnivores.</i>			
<i>(1) Describe and compare lots of common animals (fish, amphibians, reptiles, birds and mammals, including pets) by how they look and how they move.</i>			
<i>(1) Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.</i>			
<b>Everyday Materials</b>			
<i>(1) Understand the difference between an object and the material from which it is made.</i>			
<i>(1) Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock.</i>			
<i>(1) Describe the simple physical properties of a variety of everyday materials.</i>			
<i>(1) Compare and group together a variety of everyday materials on the basis of their simple physical properties.</i>			
<b>Plants</b>			
<i>(1) Identify and name a variety of common plants, including garden plants, wild plants and trees, and those classified as deciduous and evergreen.</i>			
<i>(1) Describe the basic structure of a variety of common plants including roots, stem, leaves and flowers; including trees.</i>			
<b>Seasonal Changes</b>			
<i>(1) Observe changes across the four seasons.</i>			
<i>(1) Observe and describe the weather within the seasons and how the length of the days changes.</i>			

WT = Pupil is Working Towards Age-Related Expectations in Science

WA = Pupil is Working at Age-Related Expectations in Science

GD = Pupil is Working at Greater Depth in Science

Year 2			
Area	Teacher		
Working Scientifically (Y1 & Y2)	WT	WA	GD
Ask simple questions and understand that they can be answered in different ways.			
Observe closely, using simple equipment (like magnifying glasses).			
Perform simple tests (to find things out).			
Identify and classify (sort) living and non- living things.			
Use my observations and ideas to suggest answers to questions.			
Gather and record data (information) to help in answering questions.			
<b>Living things and their habitats</b>			
<i>(2) Explore and compare the differences between things that are living, dead, and things that have never been alive.</i>			
<i>(2) 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.</i>			
<i>(2) Identify and name different plants and animals in their habitats, including micro-habitats.</i>			
<i>(2) Describe how animals get their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food.</i>			
<b>Animals including humans</b>			
<i>(2) Notice that animals, including humans, have offspring (babies) which grow into adults.</i>			
<i>(2) Find out about and describe the basic needs of animals, including humans, for survival (water, food and air).</i>			
<i>(2) Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene (being clean).</i>			
<b>Plants</b>			
<i>(2) Observe and describe how seeds and bulbs grow into mature plants.</i>			
<i>(2) Find out and describe how plants need water, light and the right temperature to grow and stay healthy.</i>			
<b>Uses of everyday materials</b>			
<i>(2) Identify and compare the suitability of a variety of materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.</i>			
<i>(2) Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.</i>			