

Science Curriculum at Emscote Infant School.

We are learning...

	Autumn		Spring	Summer	
EYFS Understanding the World	Links to the EYFS Framework: Communication & Language: Learn new vocabulary. Ask questions to find out more and to check what has been said to them. Articulate their ideas and thoughts in well-formed sentences. Describe events in some detail. Use talk to help work out problems and organise thinking and activities, and to explain how things work and why they might happen. Use new vocabulary in different contexts. PSED: Know and talk about the different factors that support their overall health and wellbeing: - regular physical activity - healthy eating - toothbrushing - sensible amounts of ‘screen time’ - having a good sleep routine - being a safe pedestrian. Understanding the World: Explore the natural world around them. Describe what they see, hear and feel while they are outside. Recognise some environments that are different to the one in which they live. Understand the effect of changing seasons on the natural world around them. Examples of Activities: Wonderful Wellies: Exploring the outdoors is all seasons and types of weather. Visits From External Professionals: Meeting real life dentists, road safety officers etc... Outdoor Play: continuous use of outdoor environment so children can access throughout the day. Experiments: Growing sunflowers. PE Lessons: Gymnastics, multi-skills and athletics. Trips: Exploring different environments/places and bringing learning to life. How it's Taught: Play-Based: Often integrated into continuous provision (free play). Understanding the World Lessons: Short focused input every week. PSED Lessons: Short focused input every week. PE Lessons: Short focused input every week.				
Year One	Everyday Material (6) To be able to identify a variety of common materials. To be able to distinguish between an object and the material from which it is made. To be able to describe materials according to their properties.	My Body (7) To be able to identify, name and label body parts. To explore what parts of our bodies we use for different activities. To find out about the five senses, in particular the sense of sight To explore the sense of touch.	Identifying Animals (7) To be able to identify and name a variety of common animals. To be able to identify and name a variety of common UK mammals. To be able to identify and compare a variety of common UK birds and reptiles. To be able to identify and compare a variety of common UK fish and amphibians. To be able to identify and sort carnivores, herbivores and omnivores. To be able to take care of	Identifying Plants (6) To find out what a plant is. To identify and describe garden plants. To identify and describe wild plants. To identify and describe a range of trees. To identify the different parts of a plant. To make observations of	Seasonal Changes (6) To find out about different seasons and how to describe them. To find out about the seasons and how they are different To find out about how animals are affected by the seasons. To find out about how

	To be able to describe why some materials suit certain objects better than others. To carry out an experiment to find out which materials are waterproof. To recap what we have learnt about everyday materials.	To explore the sense of smell. To explore the sense of taste. To explore the sense of sound.	animals. To collect data about animals and answer questions.	growing plants	humans are affected by the seasons. To find out about the day length is affected by the seasons. To investigate the weather during the seasons
Year Two	Living in Habitats (6) To be able to identify things that are living, things that are dead and things that have never been alive. To understand that living things need to live in suitable habitats To explore the plants and animals that live in seaside habitats. To be able to explore plants and animals in an unfamiliar habitat. To be able to explore and describe a micro-habitat To explore food chains in a habitat.	Growth and Survival (7) To find out about the offspring of a variety of different animals. To find out about the different ways in which animals reproduce To explore how humans grow as they get older To find out what animals, including humans, need to survive. To explore the environment as a factor of survival for animals, including humans To find out how to eat a healthy, balanced diet. To find out why exercise is important to keep our bodies healthy.	Exploring Everyday Materials (7) To be able to identify a variety of materials and sort them according to a variety of criteria. To be able to identify natural and man-made materials. To identify that some materials can change shape by squashing, bending, stretching and twisting, and others can't. To identify the suitability of metal and plastic for a variety of purposes To identify different products that can be made from wood and their features and purposes. To identify different materials that are used for the same product. To identify material inventions and discoveries.	Growing Plants (5) To understand that different seeds grow into different plants and to describe them To understand that plants can be grown from bulbs. To be able to explain why and how seeds are dispersed. To plan, carry out and evaluate an investigation into the conditions that affect germination. To observe and describe how a plant changes as it matures.	Super Scientists (7) To investigate the effect gravity has on everyday objects. To investigate what happens to light when it passes through different transparent objects. To investigate the wind. To investigate whether sound can pass through materials. To investigate our senses and reflexes. To investigate how germs are transferred by touching things. To investigate electrical circuits to make a light bulb light up.