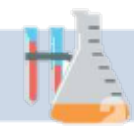


Science Curriculum Map



	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Nursery						
Aut 1: Humans	LO: Different parts of the body are called different things		LO: Different parts of our face are called different things		LO: Know some of the things our bodies can do?	
Aut 2:	LO: Explore differences between materials and the changes I notice		LO: Describe bonfires and fireworks using my senses and investigate light and dark.		LO: Know that some regions in the world are colder than others, that ice is frozen water.	
Spr 1: Animals	LO: Name common domestic animals and know key ways of how to look after a pet.		LO: Understand there are a wide variety of animals, they are living things and have needs.		LO: Understand that animals give birth and feed their young like humans. Some animals live in homes and others are wild, live on farms or at zoos.	
Spr 2: Plants	LO: Know that seeds will grow into plants. Know that most plants need water to survive		LO: Talk about the different outside environments at Nursery, school and the local area. Sort minibeasts by type, size, colour, number of legs etc and say how I want to sort them.		LO: Begin to understand that different minibeasts live in a pond. Use observation skills to observe findings	
Sum 1: Materials	LO: Name different materials.		LO: Group different materials and begin to say why I put them together.		LO: Know that some metal can stick to magnets	

Reception						
Aut 1: Enquiry		LO: Explore the way that a variety of different things work.	LO: Understand there can be more than one way to answer questions. Explore healthy foods and alternatives	LO: Carry out an experiment and record the result.	LO: Sort recycled items by material	LO: Identify and label some parts of the human body.
Materials	Humans					
Aut 2: Enquiry and Habitats	LO: Collect evidence of Autumn and describe Autumn leaves.		LO: Explore ice using simple equipment.	LO: Investigate the different effect that temperature has on ice.	LO: record some simple facts about polar bears and their habitat.	LO: record some simple facts about penguins and their habitat.
Spr 1: Materials	LO: Test materials to find out whether they are waterproof or not.		LO: Make predictions about which materials will float or sink.	LO: Investigate natural materials for a sandcastle	LO: Compare rocks and stones	LO: Learn about materials: hard and soft.
Spr 2: Animals	LO: Name the produce from three different farm animals.		LO: Describe the changes in a chicken's life cycle.	LO: Explain what a chick, or other small animal, needs to live.	LO: Understand that different dinosaurs eat different things (herbivore, carnivore, omnivore)	LO: Begin to understand that dinosaurs tore or ground their food depending on whether they were herbivores or carnivores
Sum 1: Plants	LO: Recognise and collect evidence of Spring.		LO: Draw pictures of plants in the natural world.	LO: Look closely and record similarities and differences in the natural world.	LO: Sort different parts of a plant into different categories (root, stem, flower)	LO: Take care of a plant and understand what it needs to survive.
Sum 2: Materials	Sum 2: Humans	LO: Explore a range of materials to find out whether they stretch.	LO: Group materials into magnetic/not magnetic	LO: Test materials to find out which is the stickiest. Record/ share my results.	LO: Make some healthy food choices and explain why they are important	LO: Describe exercises that make me stronger.
						LO: Record and compare the weather during different seasons.

Year 1						
Aut 1: Humans Senses	LO: Draw and label parts of the body	LO: Investigate and record observations about the sense of touch.	LO: Investigate and record observations about the sense of taste.	LO: Investigate and record observations about the sense of smell. Describe changes that take place in Autumn	LO: Investigate and record observations about the sense of hearing	LO: Know that our eyes see by letting in light. If we change the way the light enters our eyes, it changes the way we see.
Aut 2: Animals	LO: Compare the structure of a variety of common animals.	LO: Identify & label features of common animals (Dog, lizard, bird)	LO: Identify and label the features of animal groups, reptile, mammal and bird	LO: Categorise carnivores, herbivores and omnivores by their teeth	LO: Identify animals and evidence of animals around the school environment	
Spr 1: Materials	LO: Describe changes that take place in Winter.	LO: Investigate and identify the materials objects are made from.	LO: Record objects and the materials from which they are made.	LO: Classify objects according to their physical properties.	LO: Test materials for making an umbrella.	LO: Sort materials according to my own criteria.
Spr 2: Plants	LO: Explore a range of dangerous, beautiful, delicious common plants that are big and small.	LO: Label and identify the different parts of a plant.	LO: Identify the different parts of a tree.	LO: Identify trees by observing and describing their leaves.	LO: Draw three common flowering plants by drawing the structure accurately, through close observation.	LO: Describe what changes take place in Spring.
Sum 1: Animals	LO: Identify and classify different animals (mammals, reptiles, birds and fish)	LO: Describe and compare the structure of a variety of amphibians.	LO: Describe and compare the structure of a variety of fish.	LO: Compare sea creatures with amphibians.	LO: Observe and describe wildlife in our school pond.	
Sum 2: Enquiry/ Materials	LO: Plan a test to see which materials decompose in soil	LO: Investigate ways to 'strengthen' soil.	LO: Investigate how well different soaps work	LO: Investigate what happens to papers when they get wet.	LO: Look at and investigate results and make conclusions.	LO: Describe changes that take place in Summer.

Year 2						
Aut 1: Living things & Habitats	LO: Identify some of the characteristics of living things	LO: Identify and classify objects into groups 'alive, once alive, never been alive'	LO: Name a variety of habitats and explain how the animals that live there are suited to their environment.	LO: Create a suitable micro-habitat for a minibeast.	LO: Create a food chain to describe how animals get food & recognise that a food chain is part of a food system.	LO: Describe how living things depend on each other (flora and fauna).
Aut 2: Humans	LO: Know that animals & humans need air, food and water to survive & they get air, food and water from different places	LO: Identify what makes a healthy balanced diet.	LO: Identify foods which cause tooth decay & explain how brushing teeth can help to keep the mouth healthy.	LO: Describe how germs are spread and how to prevent them from spreading	LO: Investigate the effects of exercise on the human body (cardiovascular)	LO: Investigate the effects of exercise on the human body (muscles and strength)
Spr 1: Materials	LO: Materials have different properties	LO: Properties of different materials make them suitable for different uses	LO: Different types of metals have different properties and are used for varying purposes (aluminium, iron, gold)	LO: Absorbent materials soak up water. Some materials are more absorbent than others	LO: Identify humanmade & natural materials. Suggest where natural materials can be used instead of plastic.	LO: Explain why a material is suitable or unsuitable for a particular purpose.
Spr 2: Plants	LO: Identify what a plant needs to grow well & set up an experiment to test this.	LO: Describe the life stages of a plant.	LO: Identify what different individual plants need to survive.	Zoo School Trip	LO: Observe and describe changes to a plant's growth over time.	LO: Explain how plants are suited to different environments.
Sum 1: Animals inc Humans	LO: Describe and compare the stages of human growth.	LO: Some animal offspring look similar to their adult. Some animal offspring look different to their adults	LO: Some animals go through metamorphosis. Metamorphosis is a structural change from offspring to adult.	LO: Describe the life cycle of a butterfly or moth.	LO: describe the life cycle of a frog or toad.	
Sum 2: Changes	LO: Know that pushes and pulls are forces that can make something move	LO: Know that stretching is a pull force that can make something change shape	LO: Some objects change shape when squashed, stretched, twisted on bent	LO: Heat can lead to change	LO: Water can change things	LO: Observe and record changes that occur when baking

Science Curriculum Map