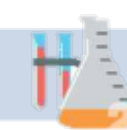


Science Progression Map



	Nursery	Reception	Year 1	NC	Year 2	NC
Humans	Aut 1 <ul style="list-style-type: none"> Different parts of the body are called different things Different parts of our face are called different things Know some of the things our bodies can do? 	Aut 1 <ul style="list-style-type: none"> Explore healthy foods and alternatives Identify and name some parts of the body Sum 2 <ul style="list-style-type: none"> Describe exercises that make us stronger. Make some healthy food choices and explain why these are important 	Aut 1 <ul style="list-style-type: none"> Draw and label parts of the human body Investigate and record observations about the sense of touch Investigate and record observations about the sense of taste Investigate and record observations about the sense of smell Investigate and record observations about hearing Know that our eyes see by letting in light, if we change how light enters our eyes, it changes the way we see 	<ul style="list-style-type: none"> Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense. 	Aut 2 <ul style="list-style-type: none"> Know that animals/humans need air, food + water to survive & they get these from different places Identify what makes a healthy balanced diet Identify foods which cause tooth decay & explain how brushing teeth can keep the mouth healthy Describe how germs spread & how to prevent them from spreading Investigate the effects of exercise on the human body (cardio) Investigate the effects of exercise on the human body (Strength) Sum 1 <ul style="list-style-type: none"> Describe + compare the stages of human growth 	<ul style="list-style-type: none"> Find out about and describe the basic needs of animals, including humans, for survival (water, food and air) Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.
Animals	Spr 1 <ul style="list-style-type: none"> Name common domestic animals and know key ways of how to look after a pet Understand there are a wide variety of animals, they are living things and have needs Understand that animals give birth and feed their young like humans Some animals give birth and feed their young like humans Some animals live in homes. others are wild, live on farms/ zoo 	Spr 2 <ul style="list-style-type: none"> Name the produce from 3 different farm animals Describe the changes in a chick's life cycle Explain what a chick or other small animal needs to live (including environment when born) Understand that different dinosaurs eat different things (herbivore, carnivore, omnivore) Begin to understand that dinosaurs tore or ground their food depending on whether they were herbivores or carnivores Deduce and categorise from evidence whether a dinosaur is a omnivore, carnivore or herbivore 	Aut 2 <ul style="list-style-type: none"> Compare the structure of a variety of common animals Identify & label features of animals (Dog, lizard, bird) Identify & label the features of; reptiles, mammals and birds Categorise carnivores, herbivores & omnivores by teeth Identify animals and evidence of animals around the school environment Sum 1 <ul style="list-style-type: none"> Identify and classify different animals (mammals, reptiles, birds and fish) Describe & compare structure of a variety of amphibians Describe and compare the structure of a variety of fish Compare sea creatures with amphibians Observe and describe wildlife in the school pond. 	<ul style="list-style-type: none"> Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals Identify & name a variety of common animals that are carnivores, herbivores & omnivores Describe & compare the structure of a variety of common animals (fish, amphibians, reptiles, birds, mammals, including pets) 	Aut 2 <ul style="list-style-type: none"> Know that animals and humans need air, food and water to survive and they get these from different places Sum 1 <ul style="list-style-type: none"> Some animal offspring look similar to their adult. Some look different to their adult Some animals go through metamorphosis. GD:This is a structural change from offspring to adult Describe the life cycle of a butterfly or moth Describe the life cycle of a frog or toad. 	<ul style="list-style-type: none"> notice that animals, including humans, have offspring which grow into adults find out about and describe the basic needs of animals, including humans, for survival (water, food and air)
Habitats	Spr 1 <ul style="list-style-type: none"> Some animals live in homes, are wild, live in farms or zoos Spr 2 <ul style="list-style-type: none"> Talk about the different outside environments at Nursery, school & the local area. Begin to understand that different minibeasts live in a pond. Observe findings 	Aut 2 <ul style="list-style-type: none"> Record some simple facts about polar bears and their habitat Record some simple facts about penguins and their habitat Share simple facts about penguins/polar bears and their habitats 	Aut 2 <ul style="list-style-type: none"> Identify animals around the school environment Sum 1 <ul style="list-style-type: none"> Observe and describe wildlife in the school pond 		Aut 1 <ul style="list-style-type: none"> Identify some of the characteristics of living things Identify + classify objects into 'alive, dead, non-living' Name a variety of habitats and explain how the animals that live there are suited to their environment. Create a suitable micro-habitat for a minibeast Create a simple food chain to describe how animals get their food and recognise that a food chain is part of a food system. Describe how living things depend on each other 	<ul style="list-style-type: none"> Explore + compare differences between things that are living, dead, and never alive 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 & plants & how they depend on each other Identify & name a variety of plants & animals in their habitats + microhabitats Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food.
Materials	Sum 1 <ul style="list-style-type: none"> Name different materials Group different materials, begin to say why they've been grouped together Know that some metal can stick to magnets 	Aut 1 <ul style="list-style-type: none"> Sort recycled items by material Aut 2 <ul style="list-style-type: none"> Test materials to find out if they are waterproof Predict materials that will float/ sink Investigate natural materials for a sandcastle Compare rocks and stones Learn about materials: hard and soft Learn about materials: smooth and rough Sum 2 <ul style="list-style-type: none"> Explore materials to find out if they stretch Group materials into magnetic/not magnetic Test materials to find out which is the stickiest. 	Spr 1 <ul style="list-style-type: none"> Investigate and identify the materials objects are made from Record objects and the materials from which they are made Classify objects according to their physical properties Test materials for making an umbrella Sort materials according to my own criteria Sum 2 <ul style="list-style-type: none"> Plan a test to see which materials decompose in soil Investigate how well different soaps work Investigate what happens to papers when they get wet Look at and investigate results and make conclusions 	<ul style="list-style-type: none"> Distinguish between an object & the material from which it is made Identify & name a variety of everyday materials, including wood, plastic, glass, metal, water, rock Describe the simple physical properties of a variety of everyday materials Compare & group a variety of everyday materials on the basis of their simple physical properties. 	Spr 1 <ul style="list-style-type: none"> Know that different materials have different properties The properties of materials make them suitable for different uses Different types of metals have different properties and are used for varying purposes Absorbent materials soak up water. Some materials are more absorbent than others Identify human made and natural materials. Begin to suggest where natural materials can be used in place of plastic. Explain why a material is suitable or unsuitable for a purpose Sum 2 <ul style="list-style-type: none"> Know that stretching is a pull force which can make something change shape Some materials change shape when squashed, twisted, bent 	<ul style="list-style-type: none"> Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.
Plants	Spr 2 <ul style="list-style-type: none"> Know that seeds will grow into plants. Know that most plants need water to survive Talk about the different outside environments at Nursery, school and the local area	Sum 1 <ul style="list-style-type: none"> Draw pictures of plants in the natural world. Look closely and record similarities and differences in the natural world Sort parts of a plant into different categories (root, stem, flower) Take care of a plant and understand what it needs to survive.	Spr 2 <ul style="list-style-type: none"> Explore a range of dangerous, beautiful, delicious common plants that are big and small Label and identify the different parts of a plant Identify the different parts of a tree Identify trees by observing and describing their leaves Draw three common flowering plants by drawing the structure accurately, through close observation Describe what changes take place in Spring Sum 2 Investigate ways to strengthen soil	<ul style="list-style-type: none"> Identify & name a variety of common wild & garden plants, including deciduous & evergreen trees Identify & describe the basic structure of a variety of common flowering plants, including trees. 	Spr 2 <ul style="list-style-type: none"> Identify what a plant needs to grow well and set up an experiment to test this Describe the life stages of a plant Identify what different individual plants need to survive Observe & describe changes to a plant's growth Explain how plants are suited to different environments 	<ul style="list-style-type: none"> Observe and describe how seeds and bulbs grow into mature plants Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.
Seasona	See Aut 1 Geography Curriculum Map <ul style="list-style-type: none"> Notice that it is getting colder Notice that our weather changes every day Know that our weather changes across the year (4 seasons) 	All terms <ul style="list-style-type: none"> Collect evidence of Autumn & describe leaves Recognise and collect evidence of Spring Record and compare the weather during different seasons 	All terms <ul style="list-style-type: none"> Describe changes that take place in Autumn Describe changes that take place during winter Describe changes that take place in Spring Describe changes that take place in Summer 	<ul style="list-style-type: none"> observe changes across the four seasons observe and describe weather associated with the seasons and how day length varies. 		