Year	<u>Autumn 1</u>	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Group						
1	Human Senses This project teaches children that humans are a type of animal known as a mammal. They name and count body parts and identify similarities and differences. They learn about the senses, the body parts associated with each sense and their role in keeping us safe	Everyday Materials This project teaches children that objects are made from materials. They identify a range of everyday materials and their sources. Children investigate the properties of materials and begin to recognise that a material's properties define its use	Image: seasons have varying Image: seasons have varying Image: seasons have seasons have varying Image: seasons have seasons have varying Image: seasons have seaso	Mini Investigation Unit plendid Skies magine floating high on a bed of clouds, on a billowing breeze. , let's take a walk should we wear? A sun hat? Maybe a o we know what the	Plant Parts This project teaches children about wild and garden plants by exploring the local environment. They identify and describe the basic parts of plants and observe how they change over time	First project teaches children about animals, including fish, amphibians, reptiles, birds, mammals and invertebrates. They identify and describe their common structures, diets, and how animals should be cared for.

Year	<u>Autumn 1</u>	<u>Autumn 2</u>	Spring 1	Spring 2	<u>Summer 1</u>	Summer 2
Group						
<u>2</u>		Animal Survival				
	<u>Everyday</u>	This project	<u>Uses of materials</u>	<u>Plant Survival</u>	<u>Human Survival</u>	<u>Habitats</u>
	<u>Materials</u>	teaches children	This project	This project teaches children	This project	This project
	This project	about growth in animals by	This project teaches children	about the growth	This project teaches children	This project teaches children
	teaches children	exploring the life	about the uses of	of plants from	about the basic	about habitats and
	that objects are	cycles of some	everyday materials	seeds and bulbs.	needs of humans	what a habitat
	made from materials. They	familiar animals. They build on	and how materials' properties make	They observe the growth of plants	for survival, including the	needs to provide. They explore local
	identify a range of everyday materials and their sources.	learning about the survival of humans by identifying the	them suitable or unsuitable for specific purposes.	first-hand, recording changes over time and	importance of exercise, nutrition and good hygiene.	habitats to identify and name living things and begin to
	Children investigate the properties of materials and begin	basic needs of animals for survival, including food,	They begin to explore how materials can be	identifying what plants need to grow and stay healthy.	They learn how human offspring grow and change	understand how they depend on one another for food
	to recognise that a material's	water, air and shelter.	changed		over time into adulthood.	and shelter.
	properties define its use.					

Year	<u>Autumn 1</u>	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Group						
<u>3</u>		Animal Nutrition and the Skeletal System This project teaches children about the importance of nutrition for		Forces and Magnets This project teaches children about contact and non-contact		RA
	humans and other ani about the role of a s and identify animals	keleton and muscles	friction and magnetism frictional and magnet		<u>Plant Nutrition</u> and Reproduction	Light and Shadows
	of skeleton. Mini Predation It's time the weight	Investigation Unit ator! me to take a walk on vild side. Find out s coming to visit. Is it or an eagle-eyed bird s, do you think you bout creepy crocs and deadly assassin bug	identify parts of a mo material	agnet and magnetic on Unit – Mighty ccientist, a maker of rse). Explore the es and magnetism, Expand your mind as and move. Which slide down a slide or you explain why ract? Can you make a new or build a steel	This project teaches children about the requirements of plants for growth and survival. They describe the parts of flowering plants and relate structure to function, including the roots and stem for transporting water, leaves for making food and the flower for reproduction.	This project teaches children about light and dark. They investigate the phenomena of reflections and shadows, looking for patterns in collected data. The risks associated with the Sun are also explored.

Year	<u>Autumn 1</u>	<u>Autumn 2</u>	Spring 1	Spring 2	<u>Summer 1</u>	Summer 2
Year Group <u>4</u>	Food and Digestive System This project teaches children about the human digestive system. They explore the main	Sound This project teaches children about sound, how sound is made and how sound travels as vibrations	Grouping and Classifying This project teaches children about grouping living things, known as classification. They	30 30 30 30 30 30 10 20	Electrical Circuits This project teaches child appliances and safety. The series circuits and name the functions, including switch They investigate electrica insulators and identify con	and Conductors ren about electrical ey construct simple heir parts and hes, wires and cells. I conductors and mmon features of
	explore the main parts, starting with the mouth and teeth, identifying teeth types and their functions. They link this learning to animals' diets and construct food chains to show the flow of energy.	vibrations through a medium to the ear. They learn about pitch and volume and find out how both can be changed.	classification. They study the animal and plant kingdoms and use and create classification keys to identify living things.	characteristic properties. They observe how materials change state as they are heated and cooled, and learn key terminology associated with these processes.	insulators and identify common features of conductors. It also teaches children about programmable devices. They combine the learning to design and make a nightlight.	

Curriculum maestro

Science Curriculum Overview

Year	Autumn 1	<u>Autumn 2</u>	Spring 1	Spring 2	Summer 1	Summer 2
<u>5</u>	Earth and Space This project teaches children about our Solar System and its spherical celestial bodies. They describe the movements of the Earth and the other planets relative to the Sun, the Moon relative to Earth, and the Earth's rotation to explain day and night.	Forces and Mechanisms This project teaches children about the forces of gravity, air resistance, water resistance and friction, with children exploring their effects. They learn about mechanisms, their uses and how they allow a smaller effort to have a greater effect.	This project teaches animal life cycles, ind life cycle. They expla- and development to a changes experienced human <u>reproduction</u> . <u>Beas</u> A bu	cluding the human ore human growth old age, including the during puberty and Investigation Unit st Creator ag, a creepy-crawly, a st. He'll tickle your skin g. Arachnids, insects, ds, hiding in nooks d rocks. Come search and let's sort them How many wings?	about mixtures and separated using sieviev evaporation. They st irreversible changes, indicators to identify Scr Lea behind roller coaster investigations. Cam r	ing, filtration and rudy reversible and , and use common y irreversible changes. <u>Investigation Unit</u> eam Machine rn about the science rs Time for some mini- mechanisms, and prototypes. Let's



Year	<u>Autumn 1</u>	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Group						
<u>6</u>	Autumn 1Autumn 2Circulatory System This project teaches children about the transport role of the human circulatory system, its main parts and primary functions. They learn about healthy lifestyle choices and the effects of harmful substances on the body.Mini Investigation UnitBlood HeartCrimson, scarlet, burgundy, cherry. Blood flows through our bodies in all its vibrant shades of red. Let's explore our circulation system. Now, surgeons, don't be squeamish as we dissect an animal heart and examine the veins, arteries and		Evolution and Inheritance This project teaches children how living things on Earth have changed over time and how fossils provide evidence for this. They learn how characteristics are passed from parents to their offspring and how variation in offspring can affect their survival, with changes (adaptations) possibly leading to the evolution of a species.	Light Therapy This project teaches children about the way that light behaves, travelling in straight lines from a source or reflector, into the eye. They explore how we see light and colours, and phenomena associated with light, including shadows, reflections and refraction.	They recognise how affects the output of circuits using standar teaches children abo devices, sensors and combine their learnin make programmable	a circuit and record rd symbols. It also out programmable monitoring. They ng to design and home devices <u>i Investigation</u> <u>t – ID</u> o do you think you Are you an extrovert gleton, a twin or even ver what makes you erprints and enes and DNA, to you. So why do r Dad, or even Auntie orld of human r unique features can