		Rockmount	Primary School Subject Cu	ırriculum Map Science		
Nursery	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Theme/Topic	Getting to Know Each	Autumn Is All Around	Passport Around the World	Jurassic Journey	Under the Sea	What's Up There? (Space)
	Other Children will: • begin to understand 'why' questions, like: "Why do we have different coloured eyes?" • use all their senses in handson exploration of natural materials • explore collections of materials with similar and/or different properties	Children will: make healthy choices about food, drink, activity and toothbrushing talk about what they see, using a wide vocabulary. begin to make sense of their own life-story and family's history explore how things work	Children will: • understand 'why' questions, like: "Why do you think camels live in the desert?"	Children will: • plant seeds and care for growing plants • understand the key features of the life cycle of a plant and an animal	Children will: • explore and talk about different forces they can feel • talk about the differences between materials and changes they notice	Children will: • explore how things work • begin to understand the need to respect and care for the natural environment and all living things
Reception	Autumn 1 The Wonderful World of	Autumn 2 Food and Festivals	Spring 1 Superheroes and People	Spring 2 Spring and New Life	Summer 1 Animals	Summer 2 Water
Theme/Topic	Fairy Tales Children will: • 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	Children will: 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 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	who Help us Children will: • 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	Children will: • explore the natural world around them, making observations and drawing pictures of animals and plants • understand the effect of changing seasons on the natural world around them • make comments about what they have heard and ask questions to clarify their understanding • manage their own basic hygiene and personal needs, including dressing, going to the toilet and understanding the importance of healthy food choices	Children will: • explore the natural world around them, making observations and drawing pictures of animals and plants. • understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.	Children will: • know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class. • understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.
Year 1	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Theme/Topic	Animals including humans Children will be taught to: • identify and name a variety of	Seasonal changes Children will be taught to: observe changes across the	Children will be taught to: • distinguish between an object and what it is made of		Plants Children will be taught to: • identify and name a variety of common wild and garden plants	
	 definity and fiame a variety of common animals distinguish between carnivores, herbivores and omnivores describe and compare the structure of a variety of 	4 seasons observe and describe the weather associated with the seasons and how the length of the day varies	 distinguish between an object and what it is made of identify and name a variety of everyday materials describe the simple properties of a variety of everyday materials compare and group together a variety of everyday materials 			•

	common animals						
	identify and name basic parts						
	of the human body						
Year 2	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	
Theme/Topic	Living things &	their habitats	Uses of Everyday Materials	Animals including humans	Plants		
тисть, горіо	Children will be taught to:	dren will be taught to:		Children will be taught to:		Children will be taught to:	
	explore and compare the differences between things that are living, dead and things that have never been alive		Children will be taught to: • identify and compare the suitability of a variety of Children will be taught to: • notice that animals including humans have offspring which		observe and describe how seeds and bulbs grow into mature plants		
	 identify that most living things live in habitats and describe how 		everyday materials for grow into adults .		find out how plants need water, light and a suitable		
	· · · · · · · · · · · · · · · · · · ·	e basic needs of different kinds	particular uses find out about and describe the basic needs of animals		temperature to grow and stay healthy		
		of creaturesidentify and name a variety of plants and animals in their		the basic needs of animals			
	habitats, including micro habita		solid objects made from some for survival materials can be changed by				
	describe how animals obtain the contract of the contract		squashing, bending, twisting	describe the importance for humans of exercise, eating			
	animals, using the idea of a sin	nple food chain	and stretching	the right amount of different			
				types of food and hygiene.			
Year 3	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	
Theme/Topic	Forces and magnets	Rocks and soils	Animals inclu	ding numans	Light	Plants	
	Children will be tought to	Children will be taught to:	Children will be taught to:		Children will be taught to:	Children will be taught to:	
	Children will be taught to: • compare how things move on	compare and group	identify that animals including hu	imans, need the right types and	recognise that they need	identify and describe the	
	different surfaces	different kinds of rocks	amounts of nutrition and that they cannot make their own foodidentify that humans and some other animals have skeletons and		light to see things and dark	functions of different parts of	
	notice that some forces need	based on their appearance			is the absence of lightnotice that light is reflected	a flowering plant	
	contact between 2 objects	and simple physical properties	muscles for support, protection a	muscles for support, protection and movement		explore the requirements of plants for life and growth	
	but magnetic forces can act at a distance	describe in simple terms			from surfaces • recognise that light from the	plants for life and growth and how they vary from	
	observe how magnets can	how fossils are formed			sun can be dangerous and	plants to plant	
	attract and repel each other	recognise that soils are			there are ways to protect	investigate the way in which	
	and some materials but not	made up from rocks and			their eyes	water is transported within a	
	others	organic matter			recognise that shadows are formed when light is	plantexplore the part that flowers	
	compare and group materials based on whether they are				blocked	play in the life cycle of	
	attracted to a magnet				find patterns in the way that	flowering plants	
	describe magnets as having				the size of the shadow		
	2 poles				changes		
	predict whether 2 magnets will attract or repair depending.						
	will attract or repel depending on their poles						
Year 4	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	
Thems/Tenie	Electricity	Materials-States of matter	Living things an	d their habitats	Animals including	Sound	
Theme/Topic	Ob its large and its large	Obildes a will be a better	Children will be taught to:		humans	Object of the second of the se	
	Children will be taught to:	Children will be taught to:	 recognise that living things can be grouped in a variety of ways explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment 		Children will be taught to:	Children will be taught to:	
	identify common appliances that run on electricity	 compare and group materials together 			describe the simple functions of the basic parts	 identify how sounds are made, associating some of 	
	construct a simple series	according to whether they			of the human digestive	them with vibrating	
	electrical circuit, identifying	are solids, liquids or gases	recognise that environments can change and that this can		system	recognise that vibrations	
	and naming its basic parts	observe that some materials change state	sometimes pose dangers to living things		identify different types of teeth in humans and their	from sound travel through a medium to the ear	
	identify whether or not a lamp will light in a simple series	materials change state when they are heated up or			function	find a pattern between the	
	circuit, based on whether it is	cooled down			construct and interpret a	pitch of a sound and the	
	part of a complete loop with a	identify the part played by			variety of food chains	features of the object that	
	battery	condensation and				produced it	
		evaporation in the water					

Year 5 Theme/Topic	recognise that a switch opens and closes a circuit recognise some common conductors and insulators Autumn 1 Earth in Space Children will be taught to: describe the movement of the Earth, and other planets, relative to the sun in the solar system describe the movement of the Moon in relation to the Earth describe the Sun, Moon and Earth as spherical bodies use the idea of the Earth's rotation to explain day and night and the apparent movement of the sky	Autumn 2 Properties and changes of materials Children will be taught to: • compare and group together everyday materials on the basis of their properties • know that some materials will dissolve in a liquid to form a solution • use knowledge of solids, liquids and gases to decide how mixtures might be separated • give reasons based on evidence from comparative and fair testing for the particular uses of everyday materials • demonstrate that dissolving, mixing and changes of state	Spring 1 Living things and life cycles Children will be taught to: describe the differences in the life cycles of a mammal, an amphibian, an insect and bird describe the life process of reproduction in some plants and animals		Summer 1 Forces Children will be taught to: • explain that unsupported objects fall towards the Earth because of the force of gravity • identify the effects of air resistance, water resistance and friction that act between moving surfaces • recognise that some mechanisms, including levers, pulleys, and gears allow a smaller force to have a greater affect	find a pattern between the volume of a sound and the strength of the vibrations that produced it recognise that sounds get fainter as the distance from the sound increases Summer 2 Animals including humans Children will be taught to: describe the changes as humans develop to old age
		result in the formation of new materials				
Year 6	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Theme/Topic	Light	Electricity	Animals and their habitats	Evolution		Animals including humans
	 Children will be taught to: recognise that light appears to travel in straight lines use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light# explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them 	Children will be taught to: associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit compare and give reasons for variations in how components function use recognised symbols when representing a simple circuit diagram	Children will be taught to: describe how living things are classified into broad groups according to common, observable characteristics and based on similarities and differences give reasons for classifying plants and animals based on specific characteristics	Children will be taught to: recognise that living things have changed over time and that fossils provide information about living things from long ago recognise that living things produce offspring of the same kind, but normally offspring vary and are different from their parents identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution		 Children will be taught to: identify and name the main parts of the human circulatory system and describe the function of the heart, the blood vessels and the blood recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function describe ways in which nutrients and water are transported in animals and humans