

	Extra-Curricular	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Reception	Autumn walk Winter walk Spring walk Newby Hall forces Chick incubator	Autumn - Can I recognise features of Autumn?  Ourselves Can I talk about myself and parts of my body?		recognise feature Spr Floating and sunderstand what and sink and can materials floating New Can Lexplain the	winter - Can I res of Winter and ing? sinking - Can I t is meant by float I investigate what oat and sink. v life e stages of a life cle?	Growing and healthy living  What does a plant need to grow?  Minibeasts  Can I identify minibeasts and where  you might find them?	
Year 1	doctor/ paramedic visit	Humans Identify human b which body part i which  Can you identify y which body part i sen  Seasonal change  Can you descril changes, including that take place	ody parts and say s associated with sense.  our senses and say is linked to which se?  as and tree study  oe the seasonal g changes to trees	Identify and normate Describe and group basis of the Can you describe everyday  Identify, group are animal animal carnivores, omnive Describe and companies.	materials name everyday erials up materials on the ir properties be properties of materials and name common mals. e animals that are erores or herbivores upare structure of mals and group common	Identifying and garde Identifying and dof flowering plant Can you identify wild and gard around the seasonal change Can you descretanges, including	ants naming wild and n plants. escribing structures nts including trees.  y and name some en plants found chool grounds?  es and tree study  ibe the seasonal ng changes to trees ce in Summer?



			animals and suggest what they might eat?  Seasonal changes and tree study Can you describe the seasonal changes, including changes to trees that take place in Winter and Spring?	
Year 2	Harvest assembly Visiting dental hygienist	Taking Care  Eating a healthy, balanced diet. Understanding the importance of exercise, hygiene and keeping clean.  How do we care for ourselves?  Our Changing World: Living and Non-living, Habitats and Food Chains Living, dead and things that have never been alive, different habitats (including micro-habitats), food chains  Why do different animals live in certain environments?	Use of Everyday Materials Use of everyday materials Properties of materials Changing the shape of materials  Why are different materials used for different purposes?	Plants in Our Locality Observe and describe how seeds and bulbs grow into mature plants. Describe the conditions a plant needs to grow.  What do plants need to grow and stay healthy?  Humans and Growing Up Human life cycle and their basic needs for survival at different stages of life  What can adults do that babies and children cannot do?
Year 3	Butterfly garden project Tropical World	Forces and magnets  How can we make things move?  How does the type of surface effect how things move?  What materials are magnetic?	Plants  What are the different parts and functions of flowering plants?  How is water transported within plants?	Butterflies  How can scientific enquiry skills help me find out about butterflies?  What is the life-cycle of a butterfly?



		How do magnets affect each other?	What part does the flower play in the	Can I observe changes over time and
		Light and Dark	life-cycle of a flowering plant?	identify patterns?
		Why can't we see in dark?	Rocks and Soils	Animals and Humans
		How do we see things?	What rocks and soils are in my local environment?	How do our skeletons work?
		Why do 'shiny' things reflect light? How can we change shadows?	Can I identify different rocks in my local environment? Of what is soil made?	What do we need to stay healthy? Why do we have a skeleton How do our muscles help us move?
Year 4	Allotment Visit from Rainforest explorer	Rocks Different types of rock, identifying rocks, how is soil made? rocks changing over time, fossils, how fossils are made, Can I compare, describe and recognise rocks, soils and fossils?  States of matter  Electricity How does electricity work? Can you light a bulb? Circuits, switches, conductors and insulators. How are conductors and insulators used? Can I identify, construct name a circuit?  Allotment How does the allotment envt. change in Autumn?	Sound How are sounds made? How do sounds travel? How can we make a sound louder or quieter? How can we change the pitch of a plucked note? How do sounds change as we move away from the source? How can we use air to make music?  Can I identify, recognise and find patterns of different sounds?  Allotment How does the allotment envt. change in Winter/Spring?	Animals including humans Where does the food go inside our bodies? What sort of teeth do we have? Why do we have different types of teeth? How can we look after our teeth? What do animals eat? What do animals teeth tell us? How is food broken down? Food chains (prey, predators and producers)  Can I describe the digestive system, identify different types of teeth and construct a food chain?  Allotment How does the allotment envt. change in Summer?



Year 5	Seasonal pond project	All living things and their habitats Life cycles of a mammal, amphibian, insect and bird Describe the life process of reproduction in some plants and animals.  Can I explain the differences in species life cycles?	Properties and changes of materials Solids, liquids and gasses, grouping materials, separating materials, reversible changes, properties of materials, dissolving solutions.  Can I compare and explain the properties of everyday materials?	Earth and Space Planets of the solar system, movement of the moon relative to the earth, day and night, movement of the moon and the earth in the solar system.  Inspirational Female Scientists-Mae Jameson and Catherine Joneson
		Forces Gravity, air resistance, water resistance, friction and mechanisms including leavers, pulleys and gears.  Can I confidently describe the effect a force has on an object?	Pond  How does the pond envt. change in Winter/Spring?  What variety of creatures do we find in the pond when pond dipping?  Why does this vary by season?	Can I describe the movement of planets and celestial bodies around sun?  Animals including humans (Relationships Education)
		Pond  How does the pond envt. change in Autumn?  What variety of creatures do we find in the pond when pond dipping?  Why does this vary by season?		Change through puberty  Do I understand the changes that will happen to my body through puberty?  Pond How does the pond envt. change in Summer? What variety of creatures do we find in the pond when pond dipping? Why does this vary by season?



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Year 6	The circulatory system What are the	Evolution and inheritance	All living things and their habitats –
	main parts of the human circulatory	Can I explain what evolution means	Pond study
	system? What are the functions of	and predict how an animal evolved?	What are the different micro
	the heart, blood vessels and blood?	Can I investigate the evolutionary	habitats in a pond eco system?
	How are nutrients and water	process of the humpback whale? Can	Which animals live there? Can I
	transported within animals? What is	I show how animals have evolved to	identify and explain food chains and
	the impact of diet and exercise on	adapt to their environment? Can I	classification keys?
	our bodies?	·	Can I describe the micro-climate of
	Can I explain the features and	show how plants have evolved to	the pond?
	functions of the circulatory system?	adapt to their environment? Can I	Autorala in desdina hermana
	Floorisis	show that offspring inherit features	Animals including humans –
	Electricity  How do I stay safe around	from their parents?	Relationships Education How do humans develop from
	electricity? How does a series circuit	Can I give examples of how living	gestation to old age? What happens
	work and how could somebody	things have changed over time?	to our bodies during puberty?
	replicate my circuit? Can I use circuit		I understand there are strategies I
	symbols to draw a circuit? How does	Living Things	can use to help me with physical
	changing the number of cells affect a	Can I show that all living things have	changes.
	circuit? Which parts of a circuit can	life processes in common and that	I know where to go for support and
	be changed to affect the output?	they are classified into broad groups?	advice if I need it.
	Can you explain how to change the	Can I show similarities and	Can I understand that animals,
	output of a circuit?	differences between members of the	including humans develop over their
		animal kingdom?	<u>lifetime?</u>
		Can I explain why the duck billed	
		platypus does not 'fit'? Can I use	
		classification keys to identify	
		different animals and plants?	
		Can I describe how and why living	
		things are classified?	
		Light	
		What is light and how does it travel?	
		Can I prove that light travels in	



		straight lines? Can I show how shadows are formed?	
	<u>(</u>	Can I explain how light behaves?	