

Progression in Science – The Mill Academy

Scientists across the Curriculum - Includes: Women, Men, British, European, American, Asian

	Nursery	Reception	Year One	Year Two	Year Three	Year Four	Year Five	Year Six
Autumn Scientists		Lewis Latimer	Dr Marshall Shepherd	Louie Pasteur	Charlotte Armah	Percy Lavon Julian	Mae C. Jemison	Rosalind Franklin
		1848-1928	Born 1970s	1822 – 1895	Born 1970	1899 – 1975	Born 1956	1920 – 1953
		Massachusetts, USA	Georgia, USA	France	London, UK	Alabama, USA	Alabama, USA	London, England
Spring Scientists								
		Roy Chapman	David				Dorothy Hodgkin	
		Andrews	Attenborough	Mary Anning	Hayleigh Perks	Rachel Carson		Gladys West
							1910 – 1994	
		1884-1960	Born 1926	1799 – 1847	Born 1994	1907 – 1964		Born 1930
							Born Egypt,	
		Wisconsin, USA	British	Lyme Regis, UK	Birmingham, UK	Pennsylvania, USA	British	Virginia, USA
Summer								
Scientists			Zhenan Bao		Alice Ball			
		Dian Fossey		C. V. Raman		J. J. Thompson	Dr Mark Richards	Carl Linnaeus
			Born 1970		1892 – 1916			
		1932-1985		1888 – 1970		1856 – 1940	Born 1970	1707 – 1778
			From China		Seattle,			
		California, USA	Lives Chicago	India	Washington	Manchester, UK	Nottingham, UK	Sweden



	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	Use all their senses in hands- on exploration	Self regulation: Set and work towards simple	Ask simple questions.	Ask simple questions and recognises that simple questions	Ask relevant questions and use different types of scientific	Ask relevant questions and use different types of scientific	Ask relevant questions and use different types of scientific	Ask relevant questions and use different types of scientific
	of natural materials Explore collections of materials with similar	goals, being able to wait for what they want and control their immediate impulses when	Observe closely. Perform simple tests to explore a question or idea suggested to	can be answered in different ways. Observe closely using simple equipment.	enquiries to answer them Make systematic and careful observations during a fair test	enquiries to answer them Set up simple practical enquiries, comparative and fair tests	Identify one or more control variables in investigations when	Plan different types of scientific enquiries to answer questions,
Working Scientifically- Skills	materials with similar and/different properties Explore how things work.	impulses when appropriate; - Give focused attention to what the teacher says, responding appropriately even when engaged in activity, and show an ability to follow instructions involving several ideas or actions. Listening, attention and understanding: - Listen attentively and respond to what they hear with relevant questions, comments and actions when being read to and during whole class discussions and small group interactions; - Make comments about what they have heard and ask questions to clarify their understanding;	question or idea suggested to them, with support. Gather and record data using a given table.	Identify things to measure or observe that are relevant to the question or idea they are investigating using a simple test (in a group or independently) Record data in a wider range of given ways Use their data and results to answer questions Use observations and ideas to suggest answers to questions.	Plan and carry out a simple fair test relevant to the question or ideas they are investigating Take and record accurate measurements using standard units (e.g. to a whole cm) Gather and record data in to simple formats e.g. tables, bar charts and pictograms Use simple scientific language to present findings Record and report findings from enquiries in labelled drawings and diagrams Draw simple conclusions using my own results Begin to recognise when a test is not fair and suggest improvements Identify differences and similarities	Know which are control, dependent and independent variables in a fair test Identify one or more control variables from those provided when conducting a fair test Make observations and take increasingly accurate measurements using standard units (e.g. to a decimal point) Use a range of equipment, including thermometers and data loggers Gather, record, classify and present data in a variety of ways to help in answering questions Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions Use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions Identify differences, similarities or changes related to simple scientific ideas and processes Use straightforward scientific evidence to answer questions or	variables in investigations when conducting a fair test Identify which type of measurements should be taken Take accurate and appropriate measurements using specific, provided equipment Record data and results (e.g. using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs) Use test results to make predictions Report and present findings from enquiries with a given format	enquiries to answer questions, including recognising and controlling variables where necessary Recognise which type of practical enquiry is most appropriate to the question or idea being investigated, before planning and carrying out the enquiry Take measurements, using a range of scientific equipment, with increasing accuracy and precision Identify when to take repeat readings when appropriate Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs Use test results to make predictions to set up further comparative and fair tests Report and present findings from enquiries, including conclusions, causal relationships and explanations of results, in oral and written forms such as displays and other presentations. Identify scientific evidence that has been used to support or refute ideas or arguments
Vocabulary	Why, what, touch, feel, see	Question, answer, ask, notice, spook, look, listen, smell, touch/feel, taste, investigate, test, try it out	properties, magnifying glass, questic gather, record, data, identify, classif diagram		fair test, comparative, observation, equipment, thermometer, data log present, data, tables, bar graph, pre differences, similarities, theory, hypindependent variable, results	ger, gather, record, classify, esentation, conclusion, prediction,	controlled variables, classify, comp explain, conclusion, causal relation observations, accurate, precise, m communicate, diagram, labels, clas graph, repeat readings, secondary	nship, fair test, patterns, easurements, data, opinion, fact, ssification keys, line graph, scatter



	Cycle 1: -Float a boat -Fly a kite -Make blackberry	Cycle 1: -Float a boat -Fly a kite -Make blackberry		The Land Before Time Protecting the Polar Regions		Save our Planet	Astrologists and Biologists Unite	Wolf Wilder
Topics	crumble Cycle 2: -Blow bubbles -Perform a science experiment -Bake bread	crumble Cycle 2: -Blow bubbles -Perform a science experiment -Bake bread		The Secret Garden				
Living things and their Habitats- Knowledge	Use all their senses in hands-on exploration of natural materials. Explore collections of materials with similar and/or different properties. Talk about what they see, using a wide vocabulary	Explore the natural world around them, making observations and drawing pictures of animals and plants; 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;		Explore and compare the differences between things that are living, dead, and things that have never been 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 and plants, and how they depend on each other Identify and name a variety of plants and animals in their habitats, including microhabitats Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name sources of food		Recognise that living things can be grouped in a variety of ways Explore and use classification keys to group, identify and name a variety of living things in their local and wider environment Recognise that environments can change and that this can sometimes pose dangers to living things	Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird Describe the life process of reproduction in some plants and animals	Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences (including micro-organisms, plants and animals) Gives reasons for classifying plants and animals based on specific characteristics
Vocabulary	Plant, animal, hear, see, feel, smell	Plant, animal, insect, bird, alive, home, needs, survive, live, similar, different, alike, not alike, compare, here, country, World, far, near		living, dead, never been alive, move, reproduce, sensitive, grow, nutrition, habitat, animal, plant, microhabitat, food, sources, food chain, predator, prey, producer, birth, decay, energy, life cycle, consumption		group, variety, identify, classification, key, environment, kingdom, species, fungi, bacteria, climate change, characteristics, extinction, pollution	mammal, amphibian, insect, bird, reproduction, life cycle, life span, egg, live young, hatchling, fledgling, metamorphosis	classify, classification, groups, characteristic, organism, microorganism, invertebrates, vertebrates, virus, thorax, arthropod, arachnid, antenna
Topics	Cycle 1: Help a wild animal Cycle 2: Make a difference	Cycle 1: Help a wild animal Cycle 2: Make a difference	One Earth	The Secret Garden	Maya Mission			
Plants- Knowledge	Plant seeds and care for growing plants. Understand the key features of the life cycle of a plant and an animal. Begin to understand the need to respect and care for the natural environment and all living things	Explore the natural world around them, making observations and drawing pictures of animals and plants;	Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees Identify and describe the basic structure of a variety of common flowering plants, including trees	Observe and describe how seeds and bulbs grow into mature plants Find and describe how plants need water, light and a suitable temperature to grow and stay healthy	Identify and describe the functions of different parts of flowering plants (roots, stem/trunk, leaves and flowers) Explore the requirements of plants for life and growth vary between species (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant Investigate the way in which water is transported within plants			



				BRO				
					Explore the part that flowers play			
					in the life cycle of flowering			
					plants, including pollination, seed			
					formation and seed dispersal.			
Vocabulary	Plant, flower, leaf	Plant, leaf, stem, root,	plant, tree, wild, garden,	seeds, bulbs, grow, mature,	absorb, reproduction,			
		petal, flower, tree,	deciduous, evergreen, leaf, stem, flower, roots, component, energy,	healthy, water, light, temperature, optimum, conditions, survival,	photosynthesis, sunlight, support, anchor, attract, stamen, anther,			
			growth, structure, trunk	nutrients, consume, soil	stigma, filament, style, ovary,			
			growth, structure, trunk	nathents, consume, son	petal, sepal, pistil, pollen,			
					pollination, nectar, female, male,			
					fertilisation, wind, seed dispersal,			
					expulsion, transportation			
Topics	Cycle 1:	Cycle 1:						
	-Watch something	-Watch something grow	Africa Africa	Superheroes	North for Navigation	Burps, Bottoms and Bile	Astrologists and Biologists Unite	Pig Heart Boy
	grow Cycle 2:	Cycle 2: -Grow our own food	One Earth	Protecting the Polar Regions	Archaeology Rocks	Save our Planet		
	-Grow our own food	Grow our own rood	one Earth	Trotteeting the Fold Regions	Authoropy Nocks	Save sar Flance		
			Paddington					
Animals, including	Understand the key	Explore the natural	Identify and name a variety of	Notice that animals, including	Identify that animals, including	Describe the simple functions of	Describe the changes as humans	Identify and name the main parts
Humans- Knowledge	features of the life	world around them,	common animals, including fish,	humans, have offspring which grow	humans, need the right types and	the basic parts of the digestive	develop to old age	of the human circulatory system
	cycle of a plant and an		amphibians, reptiles, birds and	into adults	amounts of nutrition, and they	system in humans		and describe the functions of the
	animal.	making observations	mammals		cannot make their own food; they			heart, blood vessels and blood
		and drawing pictures		Find out about and describe the	get nutrition from what they eat	Identify the different types of		
	Design to condenstoned	of animals and	Identify and name a variety of	basic needs of animals, including	Identify that by many and agent	teeth in humans and their simple		Recognise the impact of diet,
	Begin to understand the need to respect	plants;	common animals that are carnivores, herbivores and	humans, for survival (water, food and air)	Identify that humans and some other animals have skeletons and	functions		exercise, drugs and lifestyle on the way their bodies function
	and care for the		omnivores	and any	muscles for support, protection	Construct and interpret a variety		the way their bodies function
	natural environment	Manage their own	on invoices	Describe the importance for	and movement	of food chains, identifying		Describe the ways in which
	and all living things	basic hygiene and	Describe and compare the	humans of exercise, eating the		producers, predators, consumers		nutrients and water are
		personal needs,	structure of a variety of common	right amount of different types of		and prey		transported within animals,
		including dressing,	animals (fish, amphibians, reptiles,	food, and hygiene.				including humans
		going to the toilet	birds and mammals, including					
		and understanding	pets)					
		the importance of	Identify, name, draw and label the					
		healthy food	basic parts of the human body and					
		choices.	say which part of the body is					
		choices.	associated with each sense					
Vocabulary	Plant, animal, life	Healthy, unhealthy,	energy, growth, habitat, fish,	offspring, adult, young, human,	protein, carbohydrates, fats,	digestion, excretion, peristalsis,	develop, grow, change, baby,	circulatory, function, heart, blood
	cycle, environment,	clean, dirty, teeth,	amphibian, reptile, bird, mammal,	water, food, air, exercise,	sugar, vitamins, minerals, fruit,	anus, duodenum, small intestine,	infant, toddler, child, teenager,	vessels, vein, artery, valve,
	habitat	tongue, gums, hands,	carnivore, herbivore, omnivore,	nutrients, nutrition, reproduction,	vitamin, vegetable, meat, grain,	large intestine, stomach, rectum,	adolescent, puberty, adult,	muscle, blood, impact, diet,
		fingers, thumbs, palms,	vertebrate, skeleton, organ, scale,	diet, survival, hygiene, germs,	seeds, skeleton, muscle, support,	oesophagus, tongue, saliva, acid,	geriatric, life cycle, life span,	exercise, drugs, lifestyle,
		fingernails, care, self- care,	fur, hair, skin, feather, bone, skeleton, live young, egg, cold	overweight, underweight, obese, healthy, unhealthy, consumption	protection, movement, spine, femur, tibia, fibula, radius, ulna,	bile, enzymes, functions, incisor, canine, molar, food chain,	embryo, weaned	nutrients, transportation, aorta, atrium, capillary, pulse, ventricle,
		curc,	blooded, warm blooded, pet,	nearthy, annearthy, consumption	skull, clavicle, ribcage, pelvis,	producer, predator, prey,		resting heart rate
		Animal, legs, paws, claws,	teeth, meat, plant, gills, torso,		patella, biceps, abdominals,	consumers, producer, primary,		
		feather, fur, sales, body,	limb, hand, eye, nose, ear, tongue,		triceps, hamstrings, calves,	secondary, tertiary		
		head, eyes, ears, nose,	senses, touch, smell, hearing, taste		cartilage, invertebrate			
	Cuelo 1.	mouth						Dool to the Fitting
	Cycle 1: Help a wild animal	Cycle 1: Help a wild animal						Back to the Future
	High-five someone in	High-five someone in						
Tests	uniform	uniform						
Topics	Cycle 2:	Cycle 2:						
	Be a real life hero	Be a real life hero						
	Grow our own food	Grow our own food						
	Have a picnic	Have a picnic						



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Evolution and Inheritance- Knowledge								Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution
Vocabulary								inhabited, offspring, identical, adaptation, variation, environment, genes, DNA, evolution, inherit, Charles Darwin, artificial selection, natural selection, advantageous, extinction
Topic			Finding Neverland	Exploring Castles	Archaeology Rocks	Rampaging Romans	Crossing the Atlantic	
						Save our planet		
Materials - Knowledge	Use all their senses in hands-on exploration of natural materials. Explore collections of materials with similar and/or different properties. Talk about what they see, using a wide vocabulary Talk about the differences in materials and changes they notice	Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.	EVERYDAY MATERIALS Distinguish between an object and the material from which it is made Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water and rock Describe the simple physical properties of a variety of everyday materials Compare and group together a variety of everyday materials on the basis of their simple physical properties	USES OF EVERYDAY MATERIALS 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.	ROCKS Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties Describe in simple terms how fossils are formed when things that have lived are trapped within rock Recognise that soils are made from rocks and organic matter	STATES OF MATTER Compare and group materials together, according to whether they are solids, liquids or gases Observe that some materials change state when they are heated or cooled, and measure or research the temperature at which materials change state (in Degrees Celsius) Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature	PROPERTIES AND CHANGES OF MATERIALS Compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal) and response to magnets Know that some materials will dissolve in liquid to form a solution and describe how to recover a substance from a solution Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic Demonstrate that dissolving, mixing and changes of state are reversible changes	



							Explain that some change result	
							in the formation of new	
							materials, and that this kind of	
							change is not usually reversible, including changes associated	
							with burning and the act of acid	
							on bicarbonate of soda	
Vocabulary	Materials, feel,	Melt, change, liquid,	material, object, wood, plastic,	suitability, solid, change, squash,	sedimentary, igneous,	absorption, solid, liquid, gas,	reversible, irreversible, compare,	
	changes	hard, soft, prickly, sharp,	glass, metal, paper, water, rock,	bend, twist, stretch, conductor,	metamorphic, minerals,	state, degrees celsius,	hardness, solubility,	
		rough, smooth, squashy,	cardboard, property, hard, soft,	flexible, rigid, pliable, supple,	magma/lava, sediments,	evaporation, condensation,	transparency, conductivity,	
		stretchy, roll, mix, knead,	stretchy, stiff, shiny, dull, rough,	malleable, multiple uses, purpose,	permeable, texture, impermeable,	water vapour, water cycle,	insulator magnetism, electrical,	
			smooth, bendy, classify, waterproof, absorption, sort,	useful, categorise, particular use	weight, pattern, colour, rock, soil, organic matter, fossil, formed,	precipitation, dissolve, particle, temperature, bond,	thermal, dissolve, solution, particle theory, separate, filter,	
			group, compare, similar, different,		bones, bacteria, dead, decay,	thermometer, sublimation,	sieve, evaporate, materials, mix,	
			matter		sediment, resistant, extinction,	boiling point	state, crystallisation, saturation,	
					weathering, palaeontologist,		solvent	
					molten rock, tectonic plate, crust			
	Cycle 1:	Cycle 1:	De della et eu					
Topic	-Make a sculpture -Float a boat	-Make a sculpture -Float a boat	Paddington Paddington					
	-Fly a kite	-Fly a kite	One Earth					
	-Recycle	-Recycle	One Earth					
	-Roll	-Roll						
	-Have fun folding	-Have fun folding						
	Cycle 2:	Cycle 2:						
	-Build	-Build						
	-Perform a science experiment	-Perform a science experiment						
	-Blow bubbles	-Blow bubbles						
	-Play Pooh sticks	-Play Pooh sticks						
	-Bake bread	-Bake bread						
	-Build a den	-Build a den						
	- Go barefoot	- Go barefoot						
Seasonal Changes-		Understand some	Observe changes across the four					
Knowledge		important processes	seasons					
ŭ		and changes in the						
		natural world	Observe and describe weather					
		around them,	associated with the seasons and how day length varies					
		-	now day length valles					
		including the						
		seasons and						
		changing states of						
		matter.						
Vocabulary		Spring, Summer, Autumn,	season, autumn, winter, spring,					
		Winter, change, season, day, night, hot, cod, rain,	summer, weather, rain, snow, fog, sun, cloud, wind, hail, thunder,					
		snow, wind, sun,	lightning, dark, light, day, night,					
		, , , , , , ,	long, short, hot, cold, orbit,					
			energy, freezing, melting,					
			reflection					
	Cycle 1:	Cycle 1:			<mark>Urban Art</mark>	Sound and Music		Gallery Rebels
	-Watch something grow	-Watch something grow -Make a blackberry						
	-Make a blackberry	crumble						
	crumble	-Discover a new country						
	-Discover a new	Cycle 2:						
	country	- grow our own food						
	Cycle 2:	-Discover a new country						
	- grow our own food							



	-Discover a new					
Topic	country					
Light & Sound- Knowledge	Explore how things work.	Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.	LIGHT Recognise that they need light in order to see things and that dark is the absence of light Notice that light is reflected from surfaces Recognise that light from the sun can be dangerous and that there are ways to protect their eyes Recognise that shadows are formed when light from a light source is blocked by an opaque object Find patterns in the way that the	SOUND Identify how sounds are made, associating some of them with something vibrating Recognise that vibrations from sounds travel through a medium to the ear Find patterns between the pitch of a sound and features of the object that produced it Find patterns between the volume of the sound and the strength of the vibrations that produced it Recognise that sounds get		LIGHT 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 into the eye 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
Vocabulary		Light, dark, shine, light source, shadow,	size of shadows change angle, bright, dark, dim, electricity, emits, light, mirror, opaque, reflects, shadow, source, beam, absence, translucent, transparent, reflect, surface, straight, protect, hazardous, long, short, incident ray, photons, image	fainter as the distance from the sound source increases amplitude, decibel, energy, frequency, medium, power, soundwaves, vibrate, vibrations, air, source, transmit, travel, pitch, volume, high, low, quiet, loud, faint, eardrums, energy		absorb, phenomena, angle of incidence, angle of reflection, refraction, spectrum, periscope
Topic	Cycle 1: -Look up -celebrate Cycle 2: -Have a feast	Cycle 1: -Look up -celebrate Cycle 2: -Have a feast	Mechanoid Magnetism North for Navigation		Zeroes to Heroes	
Forces and Magnets- Knowledge	Explore and talk about different forces they can feel Explore how things work.	Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.	Compare how things move on different surfaces Notice that some forces need contact between two objects, but magnetic forces can act at a distance Observe how magnets attract or repel each other and attract some materials and not others Compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials Describe the two poles of a magnet		Explain that unsupported objects fall towards Earth because of the force of gravity acting between the Earth and the falling object 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 effect	



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				Predict whether two magnets will			
				attract or repel each other			
				depending on which poles are			
				facing			
Vocabulary	Float, sink, stretch,	Pull, push, magnet,		force, push, pull, friction, surfaces,		gravity, air resistance, water	
	bounce, up, down,	materials, metal		materials, contact, magnet,		resistance, mechanisms, lever,	
	snap, break			magnetic, non-magnetic,		pulley, gear, cause, effect,	
				attraction, repulsion, pole, north,		acceleration, buoyancy, effort,	
				south, sliding friction, static		force meter, fulcrum, load, mass,	
				friction, resist, elastic		Newton, pivot, rigid,	
				The state of the s		streamlined, terminal velocity,	
						weight	
	Cycle 1:	Cycle 1:				Weight	
	-Recycle	-Recycle			Vikings		Back to the Future
Topic					Vikings		Back to the Future
	Cycle 2:	Cycle 2:					
	-complete a science	-complete a science					
	experiment	experiment					
Electricity-					Identify common appliances that		Associate the brightness of a lamp
Knowledge					run on electricity		or the volume of a buzzer with the
							number and voltage of cells used
					Construct a simple series		in a circuit
					electrical circuit, identifying and		
					naming its basic parts, including		Compare and give reasons for
					cells, wires, bulbs, switches and		variations in how components
					buzzers		function, including the brightness
							of bulbs, the loudness of buzzers
					Identify whether or not a lamp		and on/off position of switches
					will light in a simple series		,
					circuit, based on whether or not		Use recognised symbols when
					the lamp is part of a complete		representing a simple circuit in a
					loop with a battery		diagram
					loop with a battery		diagram
					December that a suitch assure		
					Recognise that a switch opens		
					and closes a circuit and associate		
					this with whether or not a lamp		
					lights in a simple series circuit		
					Recognise some common		
					conductors and insulators, and		
					associate metals with being good		
					conductors		
Vocabulary					appliance, circuit, series circuit,		voltage, negative terminal,
					charge, cell, wire, bulb, switch,		positive terminal, parallel circuit,
					buzzer, loop, battery, open		resistance
					circuit, closed circuit, conductor,		
					insulator, components, electron,		
					current, static electricity, emit		
Tania							
Topic						Astrologists and Biologists Unite	
						A Strologists and biologists office	
Earth and Space-		Understand some				Describe the movement of the	
Knowledge		important processes				Earth, and other planets, relative	
						to the Sun in the Solar System.	
		and changes in the					
		natural world				Describe the movement of the	
		around them,				Moon relative to the Earth	
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	including the	Describe the Sun, Earth and
	seasons and	Moon as approximately spherical
	changing states of	bodies
	matter	Use the idea of the Earth's
		rotation to explain day and night
		and the apparent movement of
		the Sun across the sky
Vocabulary	Sun, moon, planets,	relative, planet, moon, solar
	Earth, space	system, spherical bodies,
		rotation, rotate, orbit, day, night,
		seasons, satellite, eclipse,
		universe, star, constellation, axis,
		celestial body, lunar, solar,
		telescope