



Year Group	Autumn	Spring	Summer			
EYFS: Development Matters – Understanding the World	Seasons: Autumn, harvesting, keeping healthy, hand- washing, looking after wildlife, importance of exercise Identifying, classifying and grouping Pattern seeking Observing over time	Seasons: Winter, observing changes around them, feeding the birds, looking after the environment, habitats for mini-beasts, keeping healthy, looking after yourself, keeping warm in winter, healthy eating . Identifying, classifying and grouping Pattern seeking Observing over time	Seasons: Spring, sowing seeds, planting bulbs etc. keeping healthy, looking after yourself Scientist: David Attenborough Identifying, classifying and grouping Pattern seeking Observing over time	Seasons: Summer, growing and changing, caterpillar to butterflies etc. keeping healthy, looking after yourself – sun safety Scientist: David Attenborough Identifying, classifying and grouping Pattern seeking Observing over time		
	Outdoor learning opportunities: EYFS provision allows for daily outdoor learning opportu	nities				
Nat Curriculum	2014					
Y1	Everyday Materials: Identify & name everyday materials; describe physical properties; compare & group materials based on simple physical properties Scientist: Albert Einstein Observing over time Comparative and fair testing Identifying, classifying and grouping Pattern seeking	Animals including Humans: identify & name; carnivores, herbivores & omnivores; draw & label human body parts Scientist : Elizabeth Blackwell Pattern seeking Identifying, classifying and grouping Comparative and fair testing Observing over time	Plants: identify, name & describe common wild & garden flowering plants including trees Scientist: Elizabeth Britton Identifying, classifying and grouping Observing over time Pattern seeking Comparative and fair testing Research using secondary sources			
	Seasonal Changes Throughout year: observe changes in seasons; in weather, day length Identifying, classifying and groupingObserving over timePattern seeking Working Scientifically throughout the year - build on EYFS plus: identify, classify; gather data; observe & make comparisons; ask Q's; perf simple tests Outdoor learning opportunities: Building rain gauges, monitoring weather patterns, flower identification in the school grounds, planting a wild garden, looking at plants and trees in the school grounds					





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Υ2	Uses of Everyday N Identify & compare – variety of f uses (wood, metal, plas Find out how shapes of solids squashing, bending, twist Scientist: Ruth B	Materials: materials for particular tic, bricks,) s can be changed by ing & stretching enerito	Animals including humans: Animals have off-spring that grow to adults; what animals need to survive; importance of human exercise, food types/amount and hygiene Scientist: Maria Sibylla Merian	Plants: Seeds & bulbs grow; what plants need to be healthy; Scientist: Marianne North	Living Things & their Habitats: Explore difs between living, dead & never lived things; identify how living things suit the habitat usually found; simple food	
	Identifying, classifying and grouping Comparative and fair testing Pattern seeking Observing over time		Pattern Seeking Research using secondary sources Observing over time	Comparative and fair testing Observing over time Pattern seeking	chains; identify & name plants/animals incl micro habitats Scientist: identifying, classifying and grouping	
	Working Scientifically throughout the year huild as V4		Pattern seeking			
	Outdoor learning opportunities:	it the year - build off fi	plus. Observe closely, perform simple tests, gather & reco		5	
	Use materials to plan and create something for the outdoors (such as bird boxes or feeders from recycled materials), plant bulbs (indoor and outdoor) and maintain the garden, search for micro-habitats in the school grounds and observe/photograph changes. Explore how to support micro habitats					
Y3	Rocks:	Plants:	Forces Including Magnets:	Animals including	Light:	
	Compare & group dif types of	Identify and describe	Compare how things move on dif surfaces; observe	Humans:	We need light to see; light	
	rocks based on properties and functions of dif parts		how magnets repel and attract some materials;	Importance of	is reflected from surfaces;	
	appearance; how tossils are	of flowering plants;	compare & group magnetic /non-magnetic materials;	nutrition for living	sun can be dangerous to	
	organic matter & rocks	is transported:	2 poles of magnets; predictions	things; purpose of	eyes; find patterns in	
	Life cycle of volcanoes and	explore life-cycle of	Scientist: William Gilbert	skeleton & muscles	SHOUDW SIZE	
	impact	flowering plants		Scientist: Eva Crane	Scientist: Christiaan	
			Identifying, classifying and grouping		Huygens	
	Scientist: Florence Bascom	Scientist: Elizabeth	Comparative and fair testing			
	identifying, classifying and	McClintock	Observing over time	Comparative and fair	comparative and fair	
	Comparative and fair testing	Identifying, classifying		Research using	Pattern seeking	
	Pattern seeking	and grouping		secondary sources	Observing over time	
	Observing over time	Observing over time				





Outdoor learning opportun Use soil from school ground locations for different plan light/shade and investigate	nities: ds – identify/photograph/mark t purposes based on soil/water e why.	out the areas. Looking at p /light. Use outdoor space fo	lants in the grounds comp or light/shadows. Look at r	aring location and efficiency. Choose and identify nature – explore where plants are located in regard t
Animals including Humans: digestive system; teeth and their functions; food chains – producers, predators & prey Scientist: Joy Adamson Identifying, classifying and grouping Pattern seeking Research using secondary sources Observing over time Comparative and fair testing	Habitats: Rec that living things can be grouped; use classification keys to group, name & identify living things; changing of environments can be dangerous for living things Scientist: Carl Linnaeus Local environment; climate change; impact on habitats; helping habitats; global awareness Scientist: Esther Lederburg Identifying, classifying and grouping Pattern seeking Research using secondary Sources Observing over time	Electricity: Identify common appliances run on electricity; simple series circuits – identifying & naming basic parts (cells, wires, bulbs, switches & buzzers) Scientist: Thomas Edison Comparative and fair testing Pattern seeking Observing over time Identifying, classifying and grouping Research using secondary sources	Vibrations & sound; travels to the ear; patterns of pitch and the object; patterns I vibrations 7 volume; increase & decrease of sound Scientist: Galileo Galilei Comparative and fair testing Observing over time Identifying, classifying and grouping Research using secondary sources	States of Matter: Compare S, L & G; the water cycle; observe how sor materials change state when heated/cooled Scientist: Bose-Einstein Condensate Comparative and fair testing Observing over time Pattern seeking Identifying, classifying and grouping Research using secondary sources
Working Scientifically throup	Observing over time ughout the year build on from Y ovements & raise further O's	secondary sources	enquiries to find answers;	comparative & fair tests; gather, record classify





	Observe what happens to the water outside (frozen on cold days etc) build a model water cycle – leave in varied areas of the school grounds and observe over time Human impact on school grounds and dangers. States of matter					
Y5	Living Things & their Habitats: Descr dif in life-cycles of a mammal, amphibian, insect and a bird; life processes of reproduction in some plants & animals Scientist: Rachel Carson Comparative and fair testing Pattern seeking Observing over time Identifying, classifying and grouping Research using secondary sources sources	Forces: Gravity acts between Earth & falling object: identify effects of air, water-resistance & friction between moving surfaces; rec that some mechanisms (gears, pulleys & levers) allow a smaller force to have a greater effect Scientist: Katherine Johnson Identifying, classifying and grouping Comparative and fair testing Pattern seeking Observing over time	Earth & Space: Solar system – movement of the Earth & other planets to the sun: describe movement of the Moon to the Earth; rotation to describe day 7 night and the apparent movement of the sun across the sky Scientist: Brain Cox and Steven Hawking Observing over time Pattern seeking Research using secondary sources Identifying, classifying and grouping Comparative and fair testing	Animals including Humans: Describe changes as humans develop to old age Scientist: Patricia Bath Pattern seeking Research using secondary sources Observing over time Identifying, classifying and grouping Comparative and fair testing Pattern seeking	Properties & Change of Materials: Dissolving to form a solution & recover substances from a solution; use K & U of S, L & G to decide how mixtures might be separated; explain reversible an irreversible changes to materials Scientist: Marie Curie Comparative and fair testing Observing over time Pattern seeking Research using secondary sources Identifying, classifying and grouping	
	Working Scientifically throughout the year build on from Y4: plan sci enquiries to answer Q's including controlling variables; take measurements & readings; use diagrams and labels classification keys, tables, bar and line graphs; report findings; identify scientific evidence used to support ideas/arguments Outdoor learning opportunities: Look wild plants in the outdoors. Observe similarities and differences – look at seed reproduction and evidence of this in the outdoors. Explore forces in nature – use the outdoors to test experiments.					
Y6:	Animals including Humans: Identify & name the circulatory system; functions of heart, blood vessels and blood; impact on body of diet, drugs & life-style; how nutrients &	Living Things & their Habitats: Grouped according to similarities and diffs: micro-organisms, plants & animals; give	Light: Appears to travel in straight lines; how we see things; shadows and their shape	Electricity: Brightness of lamp/volume of buzzer = number & voltage of cells used; use recognised symbols when presenting	Evolution & Inheritance: Living things have changed over time; fossils provide information about living things from millions of years ago; living things produce off- spring of the same kind – not normally identical to parents; identify how animals & plants are adapted	





water are transported within	reasons why grouped	Scientist: Augustin-Jean	a simple circuit;	to suit their environment in diff ways – may lead to		
animals incl humans	as such	Fresnel and Nirmala	conductors & insulators	evolution		
		Ramanujam				
Scientist: Professor Sarah	Scientist: Dorothy		Scientist: Michael	Scientists: Charles Darwin		
Gilbert and Rosalind Franklin	Hodkinson	Comparative and fair	Faraday	Identifying, classifying and grouping		
Pattern seeking		testing	Comparative and fair	Observing over time		
Research using secondary	Identifying, classifying	Pattern seeking	testing	Pattern seeking		
sources	and grouping	Observing over time	Pattern seeking	Research using secondary sources		
Observing over time	Pattern seeking		Observing over time			
Identifying, classifying and	Research using	Identifying, classifying and	Identifying, classifying	Comparative and fair testing		
grouping	secondary sources	grouping	and grouping			
Comparative and fair testing	Comparative and fair					
	testing					
Working Scientifically continue from Y5						
Outdoor learning opportunities:						
Look at adaptation of surroundings and survival of the fittest, explore shadows and straight lines						