Terms 1/2		A Toy Story	Pudding to Pepys	Changing Ages	Walk like an Egyptian	We'll Meet Again	Who let the Gods out?
	YR	Y1	Y2	Y3	Y4	Y5	Y6
Term 1 Unit of study	The Natural World	Chemistry: Everyday materials NC obj Y1	Chemistry: Everyday materials NC obj Y1 & Y2- floating/sinking	Chemistry: Rocks	Biology: Animals including Humans	Chemistry: Properties and changes of materials	Physics: Electricity
Term 2 Unit of study	The Natural World	Chemistry: Everyday materials NC obj Y2-material properties and suitability	Working scientifically	Biology: Animals including Humans	Biology: Living things and their habitats	Physics: Light	Working scientifically
Term 1 Scientific Vocabulary		Hard/soft, shiny/dull rough/smooth, stretchy/stiff, bendy, waterproof, absorbent opaque/transparent/translucent, wood, metal, plastic, glass, water, rock, group/ classify	Float/ sink, Light/ heavy, air waterproof, buoyancy, brick, fabric, elastic, sponge, foil, cork	Sedimentary, igneous, Metaphoric, words associated with appearance and physical properties, fossils, rocks, soil, organic matter, grains, crystals, sandstone, granite, marble, classify and pumice	Digestive system, mouth, tongue, teeth, oesophagus, stomach, small and large intestine, anus, incisor, molar, premolar, canine, producer, consumer, predator, prey, apex predator, energy	Soluble, conductive, thermal, magnetic, dissolve, solution, mixture, substance, evaporate, sieve, filter, reversible, irreversible, fair test	Simple/series circuit, parallel circuit, voltage, components, brightness, volume, function, symbols
Term 2 Scientific Vocabulary		Properties, suitable/ unsuitable, Squashed, twisted, bent, stretched	Question, answer, observe, equipment, identify, sort, group, compare, describe, measurements, test, results, diagram, chart	Skeleton, skull, bones, muscles, joint, nutrition, vitamins, minerals, fat, protein, carbohydrates, fibre, water, support, protection, movement	Vertebrate: fish, amphibian, reptile, bird, mammals, invertebrate: snails and slugs, worms, spiders, insects, classification, classification key, environment, habitat	Reflection, refraction, spectrum, shadow, light source, opaque	Scientist, theory, proof, evidence

			Term 1			
Objectives  even with the best of the best	dentify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock (include other bendy/stretchy materials)  Describe the simple physical properties of a variety of everyday materials  Distinguish between an object and the material from which it is made  Compare and group together a variety of everyday materials on the basis of their simple ohysical properties.  Asking simple questions and ecognising that they can be answered in different ways  dentifying and classifying	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.  Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses (floating/sinking)  Asking simple questions and recognising that they can be answered in different ways  Identifying and classifying	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.  Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts and tables  Reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions  Identifying differences, similarities or changes related to simple scientific ideas and processes.	Identify the different types of teeth in humans and their simple functions  Describe the simple functions of the basic parts of the digestive system in humans  Construct and interpret a variety of food chains, identifying producers, predators and prey.  Setting up simple practical enquiries, comparative and fair tests  Gathering, recording, classifying and presenting data in a variety of ways to help in answering questions  Reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions	Compare and group together everyday materials on the basis that 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 changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda  Using test results to make predictions to set up	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, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches  Use recognised symbols when representing a simple circuit in a diagram  Planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary  Using test results to make predictions to set up further comparative and fair tests  Reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations

					further comparative and fair tests  Reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations  Identifying scientific evidence that has been used to support or refute ideas or arguments.	
	Term 1 H	Key Concepts – the broadest an	d abstract concepts that trans	fer across the subject		
Concept question Term 1	How areand similar and different?	Which materials are best for making boats and why?	How do geologists identify, sort and classify rocks?	Why is each part of the digestive system so important?	Why can some scientific changes be described as reversible?	How can changing the components effect an electrical circuit?
Key concepts Cause and effect Connections Pattern Similarities and differences	Compare and group things together based on their similarities and differences	Identify, classify and appropriately name materials based on their similarities and differences	Identify, classify and appropriately name non-living things.	Explain the functions of different aspects of a process and how they connect together.	Explain and give reasons for consequences of scientific processes, including reversible and irreversible changes.	Investigate and analyse in detail the immediate consequences of scientific processes.
			Term 2			
Term 2 Objectives	Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.  Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses  Asking simple questions and recognising that they can be answered in different ways	Asking simple questions and recognising that they can be answered in different ways  Observing closely, using simple equipment  Performing simple tests  Identifying and classifying  Using their observations and ideas to suggest answers to questions	Identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat  Identify that humans and some other animals have skeletons and muscles for support, protection and movement.  Asking relevant questions and using different types of	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  Recognise that environments can change and that this can sometimes pose dangers to living things.	Recognise that light appears to travel in straight lines  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 that objects are seen because they give out or reflect light into the eye	A study of famous scientific discoveries  Reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations  Identifying scientific evidence that has been used to support or refute ideas or arguments.

		Gathering and recording data to help in answering questions.	scientific enquiries to answer them.  Using straightforward scientific evidence to answer questions or to support their findings	Asking relevant questions and using different types of scientific enquiries to answer them.  Making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers  Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables	Use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.  Planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary  Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate  Recording data and results of increasing complexity using scientific diagrams	
					and labels, classification keys, tables, scatter graphs, bar and line graphs	
	Term 2	Key Concepts – the broadest a	nd abstract concepts that transf	fer across the subject		
Concept question Term 2	Why is glass and not metal used for windows? (compare)	What do we mean by 'simple test' in science?	Convince me that humans and animals are similar.	Scientifically speaking, how can we group and classify living things?	How do we see things?	Select one great scientific discovery and discuss how this impacts on our lives today?
Key concepts Cause and effect Connections Pattern Similarities and differences	Compare and group things together based on their similarities and differences	Observe basic patterns in the results of simple tests.	Identify and explain similarities and differences between humans and animals.	Identify and explain similarities and differences between humans and animals giving reasons for your classifications.	Explain and give reasons for consequences of scientific processes	Explain how different scientific theories connect together and their ongoing impact.

Terms 3/4		Amazing Discoveries	Under the Microscope	When in Rome	Raiders and Traders	Rainforest Realms	Earth and Space, the final frontier
	YR	Y1	Y2	Y3	Y4	Y5	Y6
Term 3 Unit of Study	Early Learning Goal The Natural World	Physics: Seasonal changes	Biology: Animals including humans NC obj Y1	Biology: Plants	Physics: Electricity	Biology: Living things and their habitats NC obj Y5 & 6	Physics: Earth and Space NC obj Y5
Term 4 Unit of Study	Early Learning Goal The Natural World	Working scientifically	Biology: Animals including humans NC obj Y2	Physics: Light	Physics: Sound	Biology: Evolution and inheritance NC obj Y6	Physics: Forces and Magnets NC obj Y5
Term 3 Scientific Vocabulary		Season, summer, winter, autumn, spring, day, daytime, wind, rain, snow, hail, sleet, fog, sun, hot, warm, cold	fish, amphibian, reptile, bird, mammals, carnivore, herbivore, omnivore, head, nose, eyes, ear, neck, shoulder, arm, elbow, wrist, hand, back, chest, hip, leg, knee, ankle, foot, wing, beak, tail, fin, sight, smell, touch, taste, hearing	Roots, stem, trunk, leaves, flowers, function, support, reproduction, air, light, water, fertiliser, life cycle, nutrients, germination, transportation, seed formation, seed dispersal, pollination	Simple/ series circuit, electricity, appliances, battery/ cell, wire, switch, bulb, safety, buzzer, conductor, insulator, metal	Plants, animals, classifying, living, life process, characteristic, organism, micro-organism	Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune, moon, phases of the moon, solar system, spherical, axis of rotation, Star, constellation
Term 4 Scientific Vocabulary		Question, answer, observe, equipment, identify, sort, group, compare, describe, measurements, test, results, diagram and chart	Offspring, grow, adults, survival, water, food, air, exercise, hygiene, nutrition, reproduce, eggs, chick, chicken, caterpillar, pupa, butterfly, spawn, tadpole, frog, lamb, sheep	Light, light source, reflect, shadow, blocked, solid, artificial, torch, candle, lamp, sunlight, opaque, transparent, translucent	Vibration, wave, volume, pitch, tone, insulation, patterns, fainter/ louder	Variation, inherit, evolution, environment, adapt, inhabit, identical, genetics, survival	Gravity, surface, force, effect, air resistance, accelerate, decelerate, water resistance, friction, lever, pulley, gears, Newtons

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Term 3 Objectives	Observe changes across the four seasons  Observe and describe weather associated with the seasons and how day length varies.  Using their observations and ideas to suggest answers to questions  Gathering and recording data to help in answering questions	Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals  Identify and name a variety of common animals that are carnivores, herbivores and omnivores  Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals including pets)  Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense  Identifying and classifying  Using their observations and ideas to suggest answers to questions	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 (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  Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.  Setting up simple practical enquiries, comparative and fair tests  Making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers	Identify common appliances that run on electricity  Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers  Identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery  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  Setting up simple practical enquiries, comparative and fair tests  Recording findings using simple scientific language, drawings labelled	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  Give reasons for classifying plants and animals based on specific characteristics.  Reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations  Identifying scientific evidence that has been used to support or refute ideas or arguments.	Describe the movement of the Earth, and other planets, relative to the Sur in the solar system  Describe the movement of the Moon relative to the Earth  Describe the Sun, Earth an Moon as approximately spherical bodies  Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.  Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs bar and line graphs  Identifying scientific evidence that has been used to support or refute ideas or arguments
		Using their observations and ideas to suggest	enquiries, comparative and fair tests  Making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers	conductors and insulators, and associate metals with being good conductors  Setting up simple practical enquiries, comparative and fair tests  Recording findings using	including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations  Identifying scientific evidence that has been used to support or refute	evidence that has been used to support or refute
			simple conclusions, make predictions for new values, suggest improvements and raise further questions	drawings, labelled diagrams, keys, bar charts, and tables  Using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions		

Term 3 Concept Question  Key concepts Cause and effect Connections Pattern Similarities and differences  Term 4 Objectives	How does the weather change throughout the year?  Observe and describe	How can living things be grouped in different ways?	Scientifically speaking, why are insects and animals	Why are components in an electrical circuit made from	Why do we classify plants	Convince me it is always
Cause and effect Connections Pattern Similarities and differences  Term 4			important to plants?	the materials they are?	and animals?	sunny somewhere on Eart
	scientific connections in their world	Identify, classify and appropriately name living things based in their similarities and differences	Identify and describe connections in scientific processes linked to plants	Explain and give reasons for the immediate consequences of simple scientific processes.	Describe and explain similarities and differences in various life processes.	Analyse, explain and present patterns found in scientific enquiries.
			Term 4			
	Asking simple questions and recognising that they can be answered in different ways  Observing closely, using simple equipment  Performing simple tests  Identifying and classifying  Using their observations and ideas to suggest answers to questions  Gathering and recording data to help in answering questions.	Notice that animals, including humans, have offspring which grow into adults  Find out about and describe the basic needs of animals, including humans, for survival (water, food and air)  Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.  Asking simple questions and recognising that they can be answered in different ways	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 the light from a light source is blocked by an opaque object  Find patterns in the way that the size of shadows change.  Asking relevant questions and using different types of scientific enquiries to answer them  Gathering, recording, classifying and presenting data in a variety of ways to help in answering questions	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 a sound and the strength of the vibrations that produced it  Recognise that sounds get fainter as the distance from the sound source increases  Making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers  Recording findings using simple scientific language,	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.  Reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations  Identifying scientific evidence that has been used to support or refute ideas or arguments	Explain that unsupported objects fall towards the 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.  Planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.  Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate  Recording data and result of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graph

					diagrams, keys, bar charts, and tables Identifying differences, similarities or changes related to simple scientific ideas and processes  Using straightforward scientific evidence to answer questions or to support their findings.		Using test results to make predictions to set up further comparative and fair tests			
	Term 4 Key Concepts – the broadest and abstract concepts that transfer across the subject									
Term 4 Concept Question		rtant in Science?	True or false- Food is the most important need for humans and animals.	Why does your shadow change length during the day?	How do we hear?	How and why do living things adapt over time (give examples)?	How do different forces impact on objects and people?			
Key concepts Cause and effect Connections Pattern Similarities and differences		esults of simple tests.	Describe cause and consequence over time in a basic scientific process.	Explain the immediate consequences of simple scientific processes.	Explain and give reasons for the immediate consequences of simple scientific processes.	Recognise and explain the connections between species over time.	Investigate and analyse in detail the immediate consequences of scientific processes.			

Terms 5/6		Who's the King of the Castle?	War and Peace	Postcards from the Seaside	Tudor Rose	Brilliant Building and Lovely Landscapes	It's a Smugglers Life for me
Local study							
	YR	Y1	Y2	Y3	Y4	Y5	Y6
Term 5	Early Learning Goal The Natural World	Biology: Plants NC obj Y1	Biology: Living things and their habitats	Physics: Forces and Magnets	Chemistry: States of Matter	Biology: Animals including humans	Biology: Animals including Humans
Term 6		Biology: Plants NC obj Y2	Biology: Living things and their habitats	Working Scientifically	Working Scientifically	Working Scientifically	Working Scientifically
Term 5 Scientific Vocabulary		Deciduous, evergreen, tree, leaf, flower, blossom, petal, fruit, roots, stem, trunk, branches, leaf, bud	Habitats, micro habitats, leaf litter, shelter, seashore, woodland, meadow, hedgerow, pond, ocean, rainforest and pooter	Force, push, pull, open, surface, friction, magnet, magnetic, attract, repel, magnetic poles, north, south	Solids, liquid, gas, evaporation, condensation, particle, temperature, degrees Celsius freezing, heating, state, matter	Human, puberty, grow, development, gestation, baby, toddler, child, adolescent adult, elderly	Diet, exercise, drugs, lifestyle, health, circulatory system, heart, valve, blood, blood vessels, vein, artery, transport, oxygenated, deoxygenated
Term 6 Scientific Vocabulary		Growth, germinate, light, temperature, reproduce, life cycle, seed, bulb	Living, dead, never alive, food, food chain, food source, sun, grass and healthy	Fair test, explanation, conclusion, prediction, classify, data, evidence, record, biology, air, light water, fertiliser, nutrients, soil	Comparative test, explanation, conclusion, prediction, data, evidence, secondary source, interpret, record, physics, light source, shadow, opaque, transparent, translucent	Insulator, comparative test, fair test, plan, accuracy, systematic, quantitative measurements, hypothesis, chemistry	Comparative test, fair test, plan, variables, measurements, accuracy, identify, systematic, quantitative measurements, refute, biology

Term 5 Objectives  Identify and mame a variety of common wild and garder plants, including decidious and evergreen trees Identify and describe the basic structure of a variety of common flowering plants, including trees  Observing closely, using simple equipment  Identifying and classifying  Observing closely, using simple equipment  Identifying and classifying  Observing closely, using simple equipment  Obse	
which they are suited and excribe how different in habitats provide for the basic structure of a variety of common flowering plants, including trees  Observing closely, using simple equipment  Identifying and classifying  Observing closely, using simple equipment  Observe how magnets will attract some materials and not others of the representation on the indicate to suggest answers to questions  Observing closely, using simple equipment  Observe how magnets will attract some materials and not others of the representation on the which this happens in degrees colsium (**)  Observing closely, using simple equipment  Observe how magnets will attract some materials and not others of the representation of the time they are solids, liquids or soloted, and measure or research the temperature at which this happens in degrees colsium (**)  Observing closely, using simple equipment  Observe how magnets will attract some materials and not others of the representation on the water over place and associate the temperature at which this happens in degrees colsium (**)  Observing closely, using simple equipment  Observe how magnets will attract or repel each other, deepending on whic	Describe the ways in
describe how different habitats provide for the basic needs of different kinds of structure of a variety of common flowering plants, including trees  Observing closely, using simple equipment  Identifying and classifying  Identifying and classifyin	which nutrients and
ldentify and describe the basic structure of a variety of common flowering plants, including trees  Observing closely, using simple equipment  Identify and and a variety of plants and animals in their habitats, including microhabitats  Identifying and classifying  Observing closely, using simple equipment  Using their observations and ideas to suggest answers to questions  Gathering and recording data to help in answering questions  Gathering and recording data to help in answering questions  Gathering and recording data to help in answering questions  Gathering and recording data to help in answering questions  Gathering and recording on which poles are facility of equipment  Describe magnets as having two poles  Predict whether two magnets and facility of equipment, including thermometers and data loggers  Describe magnets as having two poles  Predict whether two magnets are facility of equipment, including thermometers and data loggers  Setting up simple great to dentifying differences, gathering, recording.  Setting up simple predictions for new values, suggest improvements and raise further questions  Identify and name a variety of plants and animals in their habitats, including microhabitats  Identifying and classifying  Observie hat some forces on act at a distance  Observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degree Celsius (**O.**)  Understand how huma change over time to other water cycle and associate the water cycle and associate the water cycle and associate the water of evaporation and condensation in the water cycle and associate the care of evaporation and condensation in the water cycle and associate the care of evaporation and condensation in the water cycle and associate the care of evaporation and condensation in the water cycle and associate the care of evaporation and condensation in the water cycle and associate the care of evaporation and condensation in the water cycle and associate the care of	water are transported
Identify and describe the basic structure of a variety of common flowering plants, including trees  Observing closely, using simple equipment  Identifying and classifying  Observing closely, using simple equipment  Using their observations and ideas to suggest answers to questions  Gathering and recording data to help in answering questions  Observing closely using simple equipment  Solutions  Observing closely, using simple equipment  Using their observations and ideas to suggest answers to questions  Gathering and recording data to help in answering questions  Observing closely, using simple equipment  Using their observations and ideas to suggest answers to questions  Gathering and recording data to help in answering questions  Observing closely, using simple equipment  Using their observations and ideas to suggest answers to questions  Gathering and recording data to help in answering questions  Observing closely, but magnetic when they are headed or cooled, and measure or research the temperature a twinch this happens in degrees Celsius (°C)  Observe that some two objects, but magnetic when they are headed or cooled, and measure or research the temperature and tractact some materials change state when they are headed or cooled, and measure or research the temperature and tractact some materials change state when they are headed or cooled, and measure or research the temperature and tractact some materials change state when they are headed or cooled and and the distinct or research the temperature and tractact some materials change state when they are headed or cooled and eagree of them. They have a variety of leafly the part played by exporation and condensation in the water cycle and sociate the rate of evaporation and condensation in the water cycle and condensation in the water cycle and sociate the rate of evaporation and careful observations and careful observations and careful observations and careful observations and leagues of trust in result in the part of the part of the part of the part of the p	within animals, including
Identify and describe the basic structure of a variety of common flowering plants, including trees  Observing closely, using simple equipment  Observe how magnets at the distance  Compare and group together a variety of everyday materials on the basis of whether they are that to help in answering questions  Gathering and recording data to help in answering questions  Observe host of distance  Observe how magnets at which this happens in degrees Celsius (*C)  Compare and group together a variety of everyday materials on the basis of whether they are that the basis of whether they are that to help in answering questions  Observe host of them they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (*C)  Understand how huma chassify of everyday materials on the basis of whether they are the attract or and associate the rate of evaporation with temperature.  Making systematic and and where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers  Using results to draw simple thermometers and data loggers  Using results to draw simple thermometers and data loggers  Using results to draw simple conclusions, make precitions for new values, suggest improvements and raise further questions  Gathering need contact the whom	humans
structure of a variety of common flowering plants, including trees  Observing closely, using simple equipment  Identifying and classifying  Observing dosely, using simple equipment  Using their observations and ideas to suggest answers to questions  Gathering and recording data to help in answering questions  Observing dosely, using simple equipment  Observe how magnets and attract some materials and not others other and attract some materials and not others of their and attract some materials and not others of everyday materials on the basis of whether they are dispersed to the rate of evaporation and confidence of evaporation	
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Observing closely, using simple equipment  Identifying and classifying  Observing closely, using simple equipment  Using their observations and ideas to suggest answers to questions  Gathering and recording data to help in answering questions  Observing closely using simple equipment  Observing closely, using simple equipment  Compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnets as having two poles  Observing closely, using simple equipment  Compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some materials and not others of the trace of evaporation with temperature.  Making systematic and careful observations and dareful observations and where appropriate, taking accurate measurements using standard units, using a range of equipment, including termometers and data loggers  Using results to draw simple conclusions, make predictions for new values, suggest unit more values, suggest in which this happens in degrees Celsius (°C) and the water cycle and associate the rate of evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.  Making systematic and careful observations and dareful observations and suggers of equipment, including the momenters and data loggers  Using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions  Setting up simple practical enquiries  Setting up simple practical enquiries  Gathering, recording.	main parts of the human
Using their observations and ideas to suggest answers to questions  Gathering and recording data to help in answering questions  Predict whether two magnets will attract or repel each other and attract one 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 ideas to suggest answers to help in answering questions  Describe magnets as having two poles  Predict whether two magnets will attract or repel each other, depending on which poles are facing  Setting up simple equipment  Identifying and classifying  Observing closely, using simple equipment  Using their observations and ideas to suggest answers to questions  Gathering and recording data to help in answering questions  Predict whether two magnets as having two poles  Predict whether two magnets as facing  Setting up simple practical enquiries  Setting up simple practical enquiries  Gatherins, recording.  Gatherins, recording.	circulatory system, and
of plants and animals in their habitats, including microhabitats  Identifying and classifying  Deserving closely, using simple equipment  Using their observations and ideas to suggest answers to questions  Gathering and recording data to help in answering questions  Predict whether two magnets atracted to a magnet, and identify some magnets will attract or repel each other and attracts ome materials and not others  Describe magnets as having two poles  Predict whether two magnets will attract or repel each other, depending on which poles are facing  Setting up simple practical enquiries  Gathering, recording.  Gathering, recording.  Gathering, recording.  of plants and animals in their habitats, including microhabitats  Observe how magnets attract or repel each other and attract some materials and not others  Understand how huma change over time water cycle and associate the rate of evaporation and condensation in the water cycle and associate the rate of evaporation and condensation in the water cycle and associate the rate of evaporation and condensation in the water cycle and associate the rate of evaporation and where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers  Using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions  Gathering, recording.	describe the functions of
Identifying and classifying  Observing closely, using simple equipment  Using their observations and ideas to suggest answers to questions  Gathering and recording data to help in answering questions  Describe magnets as having two poles  Describe magnets as h	the heart, blood vessels
microhabitats    Identifying and classifying   Diserving closely, using simple equipment	and blood
Observing closely, using simple equipment  Using their observations and ideas to suggest answers to questions  Gathering and recording data to help in answering questions  Describe magnets as having two poles  Predict whether two magnets will attract or repel each other, depending on which poles are facing  Setting up simple practical enquiries  Setting up simple practical enquires  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 magnets as having two poles  Observing closely, using simple dequipment and in the water cycle and associate the rate of evaporation with temperature.  Compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnets as having two poles  Describe magnets as having two poles  Predict whether two magnets will attract or repel each other, depending on which poles are facing  Setting up simple practical enquiries  Setting up simple further questions  Gathering, recording,  Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.  Making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers  Using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions  Identifying differences,	
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repel each other, depending on which poles are facing  Setting up simple practical enquiries  Gathering, recording,  Using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions  Identifying differences,	complexity using scientif
depending on which poles are facing  Setting up simple practical enquiries  Setting up simple further questions  Gathering, recording,	diagrams and labels,
are facing predictions for new values, suggest improvements and raise further questions  Gathering, recording. Identifying differences,	classification keys, tables
Setting up simple practical enquiries  Gathering, recording,  Jetting up simple improvements and raise further questions  Identifying differences,	scatter graphs, bar and
Setting up simple practical enquiries improvements and raise further questions  Gathering, recording, Identifying differences,	line graphs
practical enquiries  Gathering, recording,  Identifying differences,	
Gathering, recording, Identifying differences,	Using test results to mak
Gattering, recording,	predictions to set up
Gathering, recording,	further comparative and
	fair tests
Classifying and presenting	
udia iii a variety of ways	
to help in answering	
questions	

Term 5 Concept Question	Why do all plants need roots?	What makes a pond a great habitat for many living things?	Why do magnets only attract certain materials?	Explain why evaporation is an important part of the water cycle.	True or false- you become more independent the older you get.	Convince me each part of the circulatory system is equally important.
Key concepts Cause and effect Connections Pattern Similarities and differences	Compare and group things together based on their similarities and differences.	Identify and explore connections between various living things.	Explain the immediate consequences of simple scientific processes.	Describe cause and consequence over time in a basic scientific process.	Describe and explain similarities and differences in the human life cycle	Explain the function of different aspects of a process, how they connect together and their ongoing impact.
unterences		Ter	<u> </u> m 6			
Term 6 Objectives	Observe and describe how seeds and bulbs grow into mature plants  Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy  Performing simple tests  Using their observations and ideas to suggest answers to questions	Explore and compare the differences between things that are living, dead, and things that have never been alive  Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food  Asking simple questions and recognising that they can be answered in different ways	Asking relevant questions and using different types of scientific enquiries to answer them  Setting up simple practical enquiries, comparative and fair tests  Making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers  Gathering, recording, classifying and presenting data in a variety of ways to help in answering questions  Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables  Reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions	Asking relevant questions and using different types of scientific enquiries to answer them  Setting up simple practical enquiries, comparative and fair tests  Making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers  Gathering, recording, classifying and presenting data in a variety of ways to help in answering questions  Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables  Reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions	Planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary  Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate  Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs  Using test results to make predictions to set up further comparative and fair tests  Reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations	Planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary  Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate  Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs  Using test results to make predictions to set up further comparative and fair tests  Reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations

			Using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions  Identifying differences, similarities or changes related to simple scientific ideas and processes  Using straightforward scientific evidence to answer questions or to support their findings.	Using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions  Identifying differences, similarities or changes related to simple scientific ideas and processes  Using straightforward scientific evidence to answer questions or to support their findings.	Identifying scientific evidence that has been used to support or refute ideas or arguments.	Identifying scientific evidence that has been used to support or refute ideas or arguments.
	Term 6 Key	Concepts – the broadest and abs	tract concepts that transfer a	cross the subject		
Term 6 Concept Question	How can you help a plant to grow?	Explain what is meant by a food chain	How can we present the patterns we find in science?	How does a fair test provide scientific evidence?	What does a scientist need to do to spot scientific patterns?	Why is fair testing so important when analysing scientific patterns?
Key concepts Cause and effect Connections Pattern Similarities and differences	Observe cause and consequence over time in a basic scientific process.	Describe cause and consequence over time in a basic scientific process.	Identify patterns from gathered data, using scientific evidence to explain findings.	Identify patterns from gathered data, using scientific evidence to explain findings.	Analyse, explain and present patterns found in scientific enquiries.	Analyse, explain and present patterns found in scientific enquiries.