Year 1	Autumn 1 Everyday Materials	Autumn 2 Everyday Materials	Spring 1 Animals including humans	Spring 2 Animals including humans — naming and classifying	Summer 1 Seasonal Changes	Summer 2 Plants	
	Key Concepts: - tell the difference between an object and the material from which it is made - identify and name a variety of everyday materials, - 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		Key Concepts: - name some common animals including fish, amphibians, reptiles, birds and mammals - identify and name carnivores, herbivores and omnivores - describe and compare some common animals - identify, name, draw and label the basic parts of the human body - say which part of the body is associated with each sense		Key Concepts: Seasonal Changes - observe changes across the four seasons - observe and describe weather associated with the seasons - describe how day length varies with the seasons Plants: - Identify and name a variety of common wild and garden plants - Identify and describe the basic structure of a variety of common flowering plants, including trees (including leaves, flowers (blossom), petals, fruit, roots, bulb, seed, trunk, branches, stem		

Year 2	Uses of Everyday	Uses of Everyday	Living things and	Animal including	Plants	Living things and
	Materials and	Materials and	their habitats	humans		their habitats
	their properties.	their properties				

	Fey Concepts: - identify and compare the suitability of a variety of everyday materials, for particular uses - find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching. - distinguish between an object and the material from which it is made - identify and name a variety of everyday materials - 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		between things and things that and things that identify that me habitats to white describe how a provide for the different kinds and how they. Animals including human - notice that animals have offspring - find out about needs of animals for survival (we describe the in exercise, eatin	ompare the differences is that are living, dead, it have never been alive nost living things live in ich they are suited and different habitats is basic needs of a of animals and plants, depend on each other	bulbs grow int - find out and describe how provide for the different kinds and animals in micro- habitat - describe how food from plausing the idea	nost living things live in ich they are suited and different habitats e basic needs of s of animals and plants, depend on each other ame a variety of plants in their habitats, including s animals obtain their nts and other animals, of a simple food chain, and name different
Year 3	Rocks	Animals including Humans	Light	Forces and Magnets	Plants	Plants
	Key Concepts: Rocks: - rocks can be grouped together on the basis of their appearance and simple physical		Key Concepts: Lights:		Key Concepts: - flowering plants generally have the following parts: roots, stem/trunk, leaves and flowers	

processes

- fossils are formed when things that have lived are trapped within rock
- soils are made from rocks and organic matter

Animals Including Humans:

- animals, including humans, need the right types and amounts of nutrition; they cannot make their own food and they get nutrition from what they eat
- humans and some other animals have skeletons and muscles for support protection and movement

- light is reflected by materials
- light travels through some materials and not others
- shadows are formed when the light from a lights source is blocked by an opaque object
- the size of shadows change according to the size of the object and the relative positions of the object and the light source
- light from the Sun can be dangerous and there are ways to protect the eyes

Forces and Magnets:

- push and pull forces can make things start and stop moving
- different surfaces affect how easily things move over them
- some forces need contact between two objects but magnetic forces can act at a distance
- magnets attract some materials and not others
- magnets have two poles
- magnets attract or repel each other

- each part performs a specific role for the plant
- plants need air, light, water, nutrients from soil and room for life and growth – the precise amounts 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.

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Year 4	Electricity	States of matter	Sound	Living things and	Animals including	Living Things and		
				Habitats-	Humans-	Habitats-		
				Classification	Digestive system	Changing		
						environments		
	Key Concepts:		Key Concepts:		Key Concepts:			
	Electricity:		Sounds: - sounds are made by something		Animals including humans: - the digestive system in humans is			
		a continuous loop of						
	conducting materic	ıls	vibrating		comprised of several parts and each			
		circuit is needed for		n sounds travel through	The state of the s	has a special function		
	electricity to flow		a medium (soli	ds, liquids, gases) to the		ls differ according to		
	- the basic compone		ear.		their natural d			
	circuit are wires, b	ulbs, switches and		sound depends on the	teeth can be damaged and need to be cared for living things rely on each other for			
	buzzers			e object that produced it				
	- a switch opens and			a sound depends on the				
		not allow electricity to	strength of the vibrations that produced it - sounds get fainter as the distance from the sound source increases.		food in the natural world; food chains			
	pass and these are				and food webs can illustrate this relationship			
		allow electricity to pass						
	and these are calle				Living things and their Habitats			
	- some common appliances run on electricity			10.000 (0.000) (1.110 1.000)		Living things and their Habitats: - species depend on one another and		
	- mains electricity ca	in be dangerous	Living things and Habitats: - species depend on one another and their environment to survive		their environment to survive environments can change and this can			
	C C							
	States of Matter: - materials can be solids liquids or gases - materials change state with heating		living things can be grouped in a variety of ways classification keys can be used to help		sometimes pose dangers to living things			
					iiiiig3			
		ige state with heating	group, identify and name a variety of living things in the local and wider					
	and cooling							
	 the rates of evaporation and condensation are affected by temperature evaporation and condensation play a part in the water cycles where water circulates between the Earth's oceans, atmosphere and land 		environment					
			CHAITCHI					
Year 5	Forces	Earth and Space	Properties and	Properties and	Living Things and	Animals including		
			Changing	Changing	Habitats- Life	humans growth		
			Changing	Changing	TIGOTIGIS- LITC	nomans growni		

			Materials	Materials	cycles	
	Key Concepts: Forces: - unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object - air resistance, water resistance and friction act between moving surfaces - air resistance, water resistance and friction slow moving objects - some mechanisms, including levers, pulleys and gears allow a smaller force to have a greater effect Earth and Space: - the Sun, Earth and moon are approximately spherical bodies - the sun is a star at the centre of our solar system - the Earth and other planets orbit the Sun - a moon is a celestial body that orbits a planet - Earth has one Moon and the Moon's orbit gives rise to the phases of the moon we observe on Earth - the Earth's rotation about its axis explains day and night and the apparent movement of the Sun across the sky		Key Concepts: Properties and Changing Materials: - Some solid materials will dissolve in liquid to form a solution and others will not - Substances can be separated from a solution - Mixtures can be separated through filtering, sieving and evaporating - Dissolving, mixing and changes of state are reversible changes - Some changes result in the formation of new materials and this kind of change in not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda		Key Concepts: Living Things and Habitats- Life cycles - All living things have a life cycle with different stages — they are born, grow, reproduce and die. - There are differences in the life cycles of mammals, amphibians, insects and birds Animals including humans growth - Describe the changes as humans develop to old age	
Year 6	Living Things and their Habitats Classification	Animals including Humans- Circulatory system	Light	Electricity	Evolution and Inheritance	Animals including Humans- Diet health and drugs
	Key Concepts:		Key Concepts:		Key Concepts:	

Living Things and their Habitats Classification:

 Living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including microorganisms, plants and animals.

Animals including Humans-

- Circulatory system
- Nutrients and water are transported via the circulatory system within animals, including humans
- The circulatory system includes the heart, lungs, arteries, veins and blood.
- Know the function of the heart, blood and blood vessels (The heart is the pump; the blood vessels (arteries and veins) contain the blood and the blood has different components which, between them, transport oxygen, nutrients and water around the body)

Light

- light travels in straight lines
- we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes
- shadows have the same shape as the objects that cast them

Electricity

- Energy is transferred from the power supply to the components of a circuit
- The brightness of a lamp or the volume of a buzzer is associated with the number and voltage of cells used in the circuit
- Recognised symbols are used to represent a simple circuit in a diagram

Evolution and Inheritance

- living things have changed over time
- fossils provide information about living things that inhabited the Earth millions of years ago
- living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents
- characteristics of offspring can be inherited or non-inherited
- adaptation may lead to evolution
- animals and plants are adapted to suit their environment in different ways
- physical and behavioural characteristics of plants and animals are related to their survival or extinction

Animals including Humans-

- Diet health and drugs
- Diet, exercise, drugs and lifestyle have an impact on the our bodies function