		Eaves Primary	School Knowledge a	and Concepts Map 202 e	2-2023	
Year	Autumn Term		Spring Term		Summer Term	
FS1	Unit Title Humans Living things and their habitats  Sticky Knowledge Key Concepts		Unit Title Materials, including changing materials. Light Plants Sticky Knowledge Key Concepts		Unit Title Animals excluding humans Plants  Sticky Knowledge Key Concepts	
	Human Life Cycles Taking care of selves. Use of senses to explore. The natural environment around them. Natural objects from the surrounding environment.	Similarity and difference Working Scientifically	A range of materials. How to shape and join materials. Combine and mix ingredients. Change materials by heating and cooling, including cooking Light sources. How light shines on or through different materials. Growing plants	Similarity and difference Cause and effect Energy Growth Working Scientifically	Life cycles of animals. How to compare adult animals to their babies. How baby animals change over time. Growing plants	Similarity and difference Variation Growth Working Scientifically
FS2	Unit Title Humans Earth and Space Light Seasonal Change Sticky Knowledge People who are familiar to them. How to take care of themselves. Earth, Sun, Moon, planets and stars.	Key Concepts Similarity and difference Working Scientifically	Unit Title Materials, including Forces Seasonal Change  Sticky Knowledge A range of materials, including natural materials. Objects made from different materials,	changing materials.  Key Concepts Similarity and difference Cause and effect Energy Working Scientifically	Unit Title Living things and the Animals excluding I Seasonal Change  Sticky Knowledge Animals that live in different habitats. Different habitats. Outside in all seasons. Different weather.	

Va		Space travel Shadows and rainbows		including natural materials How materials change when heated and cooled How materials change over time and in different conditions		Living things throughout the year Plants in the surrounding natural environment. Animals in the surrounding natural environment. Plants and animals in a contrasting natural environment	
1	ear	Unit Title Animals and Human		Unit Title		Unit Title Plants	
		Seasonal Change	15	Everyday Materials Seasonal Change		Seasonal Change	
		Sticky Knowledge Common animals including fish, amphibians, reptiles, birds and mammals. A variety of animals that are carnivores, herbivores and omnivores. The structure of a variety of common animals. Name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.	Variation Working Scientifically Structure Similarity and difference	Sticky Knowledge Distinguish between an object and the material from which it is made. Name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock. Compare and group together a variety of everyday materials on the basis of their simple physical properties. Describe the simple physical properties of a variety of everyday materials.	Similarity and difference Working Scientifically	Sticky Knowledge Name a variety of common wild and garden plants, including deciduous and evergreen trees. Basic structure of a variety of common flowering plants, including trees. Changes across the four seasons. Weather associated with the seasons and how day length varies.	Variation Working Scientifically Structure Similarity and difference Cause and effect

Year 2	Uses of everyday materials		Unit Title Living things and their habitat		Unit Title Animals including humans		
	Sticky Knowledge Materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard are suitable for particular uses. The shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.	Key Concepts Cause and effect Changes Working Scientifically	Sticky Knowledge The differences between things that are living, dead, and things that have never been alive. Most living things live in habitats to which they are suited and different habitats provide for the basic needs of different kinds of animals and plants. How animals and plants depend on each other.	Key Concepts Similarity and difference Cause and effect Working Scientifically	Sticky Knowledge Animals, including humans, have offspring which grow into adults. Basic needs of animals, including humans, for survival (water, food and air). Importance for humans of exercise, eating the right amounts of different types of food, and hygiene.	Key Concepts Growth Energy Function	

3 Roc			Unit Title Light Animals including humans		Unit Title Plants	
Sticker Rocker and goon the appear physic Fossis things are treatment of the some contact object forces distant Magner each some other Magner poles Two contact of the some of the some other magner poles the some of the som	cky Knowledge  As can be compared grouped together the basis of their earance and simple sical properties. Sils are formed when go that have lived trapped within rock. So are made from so and organic ter.  Things move on the forces need the forces need the forces need the forces act between two cots, but magnetic tes can act at a since. The forces attract or repel to other and attract te materials and not trs.  The forces of the for	Cause and effect Changes Energy Similarity and difference Working Scientifically	Sticky Knowledge Light is needed in order to see things and dark is the absence of light. Light is reflected from surfaces. Light from the sun can be dangerous and that there are ways to protect their eyes. Shadows are formed when the light from a light source is blocked by an opaque object. There are patterns in the way that the size of shadows change.  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. Humans and some other animals have skeletons and muscles for support, protection and movement.	Key Concepts Energy Cause and effect Working Scientifically	Sticky Knowledge The functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers. Plants require for life and growth (air, light, water, nutrients from soil, and room to grow). These requirements vary from plant to plant. Water transportation within plants. The part flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.	Key Concepts Structure Function Variation Growth Energy Process Working Scientifically

Year 4	Unit Title Living Things and Top Animals Including Holder Sticky Knowledge Living things can be grouped in a variety of ways using classification keys. Environments can change and sometimes this poses dangers to living things. The simple functions of the basic parts of the digestive system in humans. Different types of teeth	Unit Title States of Matter  Sticky Knowledge Part played by evaporation and condensation in the water cycle. Associate the rate of evaporation with temperature. Materials are grouped together, according to whether they are solids, liquids or gases. Some materials change state when they are	Key Concepts Cause and effect Changes Similarity and difference Working Scientifically	Unit Title Electricity Sound Sticky Knowledge What are conductors and insulators; metals are good conductors. Common appliances that run on electricity. A simple series electrical circuit has cells, wires, bulbs, switches and buzzers. How a lamp lights in a simple series circuit, based on whether or not the lamp is part of a	Key Concepts Function Cause and effect Energy Process Working Scientifically
	in humans and their simple functions. Food chains can be used to identify producers, predators and prey.	heated or cooled. The temperature at which this happens is measured in degrees Celsius (°C).		complete loop with a battery. A switch opens and closes a circuit. How sounds are made, associating some of	

					them with something vibrating. Vibrations from sounds travel through a medium to the ear. There are patterns between the pitch of a sound and features of the object that produced it. There are patterns between the volume of a sound and the strength of the vibrations that produced it. Sounds get fainter as the distance from the sound source increases.	
Year	Unit Title		Unit Title		Unit Title	,
5	Earth and Space		Properties and Changes of Materials		Living Things and Their Habitats	
	Forces				Animals Including Humans	
	Sticky Knowledge	Key Concepts	Sticky Knowledge	Key Concepts	Sticky Knowledge	Key Concepts
	The movement of the	Function	Materials can be	Function	The differences in the	Structure
	Earth, and other planets, relative to the Sun in the	Cause and effect	grouped based on their	Cause and effect	life cycles of a mammal,	Function
	solar system.	Energy	properties, including their hardness, solubility,	Changes	an amphibian, an insect and a bird.	Variation Growth
	The movement of the	Process Working Scientifically	transparency,	Energy Process	The life process of	Process
	Moon relative to the	vvolking objetitionally	conductivity (electrical	Similarity and Difference	reproduction in some	Similarity and Difference
	Earth.		and thermal), and	Working Scientifically	plants and animals.	Working Scientifically
	The Sun, Earth and		response to magnets.		The changes as humans	
	Moon are approximately spherical bodies.		Some materials will dissolve in liquid to form		develop to old age.	
	Earth's rotation explains		a solution.			
	day and night and the		a co.adom			
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	apparent movement of the sun across the sky. 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. Some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.	A substance can be recovered from a solution.  Mixtures might be separated through filtering, sieving and evaporating.  Comparative and fair testing can be used to evidence particular uses of everyday materials, including metals, wood and plastic.  Dissolving, mixing and changes of state are reversible changes.  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.			
Year	Unit Title	Unit Title		Unit Title	
6	Living Things and their Habitats	Evolution and Inheri	tance	Light	
	Animals, including humans			Electricity	
	Sticky Knowledge Key Concepts	Sticky Knowledge	Key Concepts	Sticky Knowledge	Key Concepts
	Living things including Similarity and Difference	Living things have	Variation	Light appears to travel in	Energy
	microorganisms, plants Structure	changed over time and	Adaption	straight lines.	Cause and effect
	and animals. Function	fossils provide	Cause and effect		Function
	Variation	information about living	Evolution		Process

are classified into broad	Process	things that inhabited the	Process	Objects are seen	Working Scientifically
groups according to	Working Scientifically	Earth millions of years	Similarity and Difference	because they give out or	
common observable		ago.	Working Scientifically	reflect light into the eye.	
characteristics and		Living things produce	The state of the s	We see things because	
based on similarities and		offspring of the same		light travels from light	
differences.		kind, but normally		sources to our eyes or	
Main parts of the human		offspring vary and are		from light sources to	
circulatory system, and		not identical to their		objects and then to our	
the functions of the		parents.		eyes.	
heart, blood vessels and		Animals and plants are		Shadows have the same	
blood.		adapted to suit their		shape as the objects that	
The impact of diet,		environment in different		cast them.	
exercise, drugs and		ways and adaptation		Know common	
lifestyle on the way their		may lead to evolution.		conductors and	
bodies function.				insulators, and associate	
Ways in which nutrients				metals with being good	
and water are				conductors.	
transported within				The brightness of a lamp	
animals, including				or the volume of a	
humans.				buzzer is associated with	
				the number and voltage	
				of cells used in the	
				circuit.	
				Know variations in how	
				components function,	
				including the brightness	
				of bulbs, the loudness of	
				buzzers and the on/off	
				position of switches.	
				,	