Unit	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Animals Including Humans	Children know about similarities and differences in relation to places, objects, materials and living things.  They talk about the features of their own immediate environment and how environments might vary from one another.  They make observations of animals and plants and explain why some things occur and talk about changes.	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.	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.	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.	Describe the simple functions of the basic parts of the digestive system in humans.  Identify the different types of teeth in humans and their simple functions.  Construct and interpret a variety of food chains, identifying producers, predators and prey.	Describe the changes as humans develop to old age.	Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood.  Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function.  Describe the ways in which nutrients and water are transported within animals, including humans.
Earth and Space						Describe the movement of the Earth, and other planets, relative to the Sun in the solar system.  Describe the movement of the Moon relative to the Earth.	

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				Describe the Sun, Earth and 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.	
Elachnicik			Identify common		Associate the
Electricity			appliances that run		brightness of a lamp
			on electricity.		or the volume of a
			,		buzzer with the
			Construct a simple		number and voltage
			series electrical		of cells used in the
			circuit, identifying		circuit.
			and naming its basic		
			parts, including cells,		Compare and give
			wires, bulbs, switches		reasons for
			and buzzers.		variations in how
			Identify whether or		components function, including the
			not a lamp will light in		brightness of bulbs,
			a simple series		the loudness of
			circuit, based on		buzzers and the
			whether or not the		on/off position of
			lamp is part of a		switches.
			complete loop with a		
			battery.		Use recognised
					symbols when
			Recognise that a		representing a simple
			switch opens and		circuit in a diagram.
			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.		
Evolution and Inheritance					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.
Forces		Compare how things move on different surfaces.  Notice that some forces need contact between two objects, but magnetic forces can act at a distance.		Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object.	

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					Identify the effects	
			Observe how		of air resistance,	
			magnets attract or		water resistance and	
			repel each other and		fraction, that act	
			attract some		between moving	
			materials and not		surfaces.	
			others.			
					Recognise that some	
			Compare and group		mechanisms, including	
			together a variety of		levers, pulleys and	
			everyday materials		gears, allow a smaller	
			on the basis of		force to have a	
			whether they are		greater effect.	
			attracted to a			
			magnet, and identify			
			some magnetic			
			materials.			
			Describe magnets as			
			having two poles.			
			naving two poles.			
			Predict whether two			
			magnets will attract			
			or repel each other,			
			depending on which			
			poles are facing.			
			poles are racing.			
1 . 1 .			Recognise that they			Recognise that light
Light			need light in order to			appears to travel in
· ·			see things and that			straight lines.
			dark is the absence			straight lines.
						Use the idea that
			of light.			light travels in
			Name of the state			
			Notice that light is			straight lines to
			reflected from			explain that objects
			surfaces.			are seen because
			<b>8</b>			they give out or
			Recognise that light			reflect light into the
			from the sun can be			eye.
			dangerous and that			
			there are ways to			Explain that we see
			protect their eyes.			things because light
						travels from light

			Recognise that shadows are formed when the light from a light source is blocked by a solid object.  Find patterns in the way that the size of shadows change.			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 the objects that cast them.
Living Things and Their Habitats		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 micro-habitats.  Describe how animals obtain their food from plants and other animals, using		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.	Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird.  Describe the life process of reproductions 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 microorganisms, plants and animals.  Give reasons for classifying plants and animals based on specific characteristics.

	the idea of a simple food chain, and identify and name different sources o food.	f	
a mriting in the second of the	Distinguish between and object and the material from which it is made.  Identify and name a variety of everyday materials, including wood, metal, plastic glass, brick, rock, paper and cardboar for particular uses.  Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.  Compare and group together a variety of everyday materials on the basis of their simple physical properties.		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 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.	
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 out and describe how plants needs water, light and a sustainable 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 (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 pollinations,
		seed formation and
		seed dispersal.
Rocks		Compare and group
1XXXXX		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.
		Trapped within rock.
		Describes that sails
		Recognise that soils
		are made from rocks
		and organic matter.
Seasonal Changes	Observe changes	
CECCE CONTRACT	across the four	
Changes	seasons.	
Ch con ages		
	Observe and	
	describe weather	
	associated with the	
	seasons and how day	
	length varies.	
Sound		Identify how sounds
0,0,00,000		are made, associating
		some of them with
		something vibrating.
		Recognise that
		vibrations from
		AIDLG HOUR THOU

			sounds travel	
			through a medium to	
			the ear.	
			Find patterns	
			between the pitch of	
			a sound and features	
			of the object that	
			produce it.	
			produce ii.	
			Find patterns	
			between the volume	
			of a sound and the	
			strength of the	
			vibrations that	
			produced it.	
			p	
			Recognise that	
			sounds get fainter as	
			the distance from	
			the sound source	
			increases.	
			Compare and group	
States of Matter				
0			materials together,	
Matter			according to whether	
			they are solids,	
			liquids or gases.	
			ilquius or guses.	
			Observe that some	
			materials change	
			state when they are	
			heated or cooled, and	
			measure or research	
			the temperature at	
			which this happens in	
			degrees Celsius (°C).	
			Identify the part	
			played by evaporation	
			and condensation in	
			the water cycle and	
			associate the rate of	

Progression of Knowledge in Science (EYFS – KS2)

		evaporation with	
		temperature.	