

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Mission Shaw	Friendship – work collaborativ Wisdom – the wisdom shown Compassion for the sacrifices Personal learning goals	uestions and pose answers. cientists throughout history have vely with others.	understanding.			rself	
			EYFS Observing plants	Year 1 Year 2 How do Making plants new grow? plants.	Year 3 How do plants reproduce?		
Plants	Basic lifecycles Being healthy Human body Life cycles	Name common plants and trees. Structure of plants: roots, stem, leaves and flowers.  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.	What do plants need to grow? Observing growth of seeds and bulbs into plants. Observe and describe how seeds and bulbs grow into mature plants. the main changes as 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. describe basic needs of plants for survival and the impact of changing these.	Functions of parts of the plant, requirements of plants for growth.  Observe and describe how seeds and bulbs grow into mature plants.  the main changes as 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.  describe basic needs of plants for survival and the impact of changing these.	d		
		EYFS All about	Year 1 Year 2 How Animals lifelin	Year 3 Year 3 Year 3 Year 3 Year 3	ear 4 Year 5 Digestion Lifecycles	Year 6 Circulation	
Animals inc Humans	Talk about members of their immediate family and community. Name and describe people who are familiar to them. Recognise some	Use key features to identify a variety of animals. Identify similarities and differences between animals. Name parts of the human body and associate it with the senses.	Animal lifelines. Animals and their offspring. Basic needs of animals to survive. How humans can keep healthy.	Identify the different food groups – balanced diet. Function of muscles and skeleton.	Teeth, the digestive system and food chains	changes as humans develop to old age, puberty Lifecycles	Circulatory system including blood vessels to transport nutrients around the body, impact of diet exercise etc on our bodies
	environments that are different to the one in which they live.	Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals	Notice that animals, including humans, have offspring which grow into adults.	Notice that animals, including humans, have offspring which grow into adults.	Observe and describe how seeds and bulbs grow into mature plants.		I can identify and name the main parts of the human circulatory system, and describe the functions of the

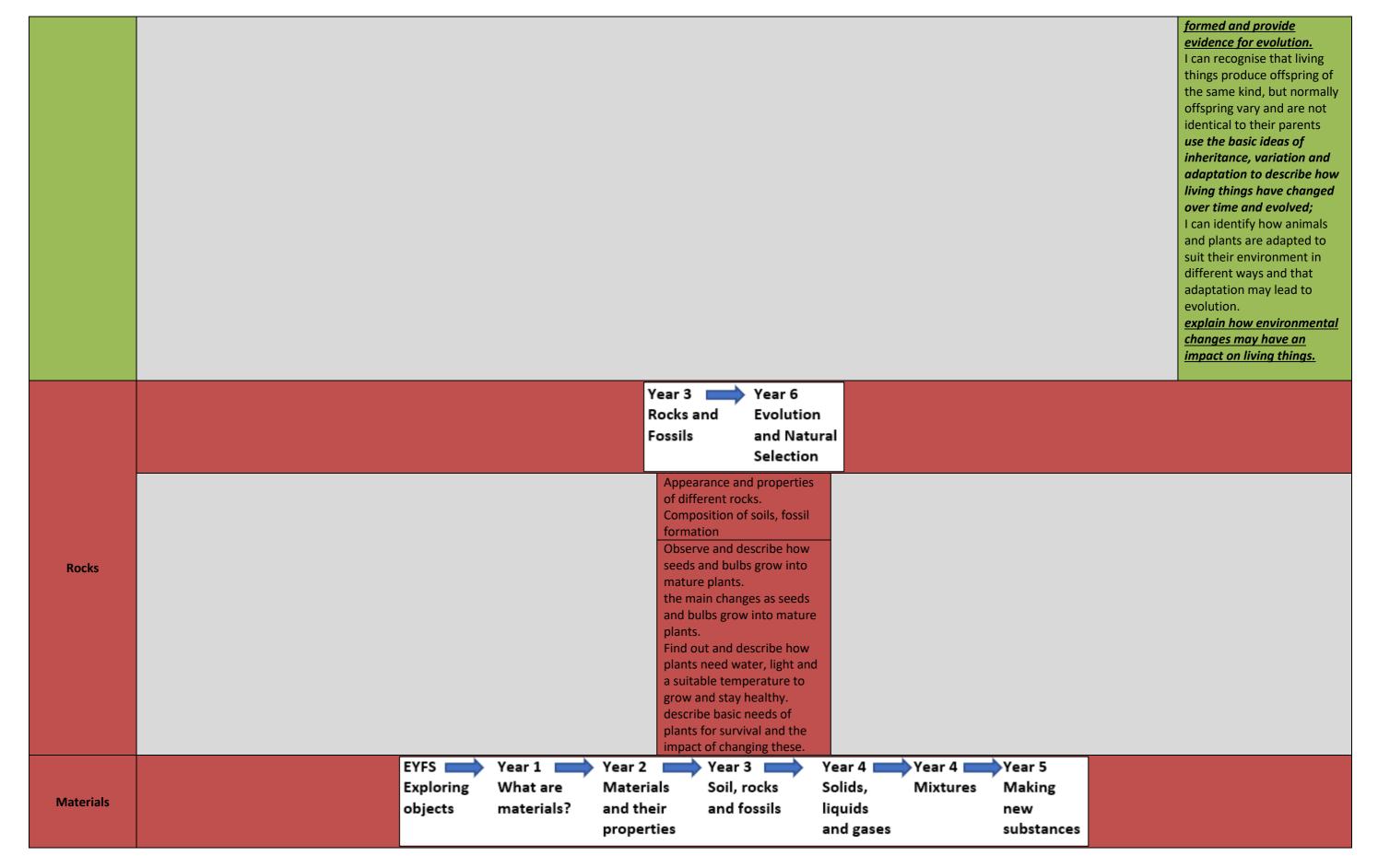


		Identify and name a variety	the main changes as young	the main changes as young	the main changes as seeds	processes and life cycles, in	heart, blood vessels and
		of common animals that are carnivores, herbivores and omnivores.  group animals according to what they eat.  Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets).  describe and compare the observable features of animals from a range of groups.  Identify, name, draw and label the basic parts of the human body.  name and locate parts of the human body, including those related to the senses, Say which part of the body is associated with each sense.  name and locate parts of the human body, including those related to the senses.	animals, including humans, grow into adults.  Find out about and describe the basic needs of animals, including humans, for survival (water, food and air).  describe the basic needs of animals for survival.  Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.  name and locate parts of the human body, including those related to the senses, and describe the importance of exercise, balanced diet and hygiene for humans.	animals, including humans, grow into adults.  Find out about and describe the basic needs of animals, including humans, for survival (water, food and air).  describe the basic needs of animals for survival.  Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.  name and locate parts of the human body, including those related to the senses, and describe the importance of exercise, balanced diet and hygiene for humans.	and bulbs grow into mature plants. Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy. describe basic needs of plants for survival and the impact of changing these.	animals. I understand that all living things have lifecycles. can describe and compare different reproductive processes and life cycles, in animals. I can compare the different gestation periods of other animals with that of a human. can describe and compare different reproductive processes and life cycles, in animals.	blood.  name, locate and describe the functions of the main parts of the digestive, musculoskeletal, and circulatory systems, and can describe and compare different reproductive processes and life cycles, in animals. I can recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function. describe the effects of diet, exercise, drugs and lifestyle on how their bodies function. I can describe the ways in which nutrients and water are transported within animals, including humans. name, locate and describe the functions of the main parts of the digestive, musculoskeletal, and circulatory systems, and can describe and compare different reproductive processes and life cycles, in
			EYFS Year 2	Year 4 Yea	r 5 Year 6		<u>animals.</u>
			Where I Habitats live and how seasons affect the	Classification Life and environmental	ecycles Classification		
Living Things and their Habitats	Draw information from a simple map. Explore the natural world around them.		Living, dead, never been alive. Animals live in different habitats to which they are suited. Food chains.		Classifying living things, use keys. Changing environments.	plant and animal life cycles, reproductive processes	Classification of living things based on characteristics
indicate	Describe what they see, hear and feel whilst outside. Recognise some environments that are different to the one in which they live.		Notice that animals, including humans, have offspring which grow into adults.  the main changes as young animals, including humans, grow into adults.		Observe and describe how seeds and bulbs grow into mature plants. the main changes as seeds and bulbs grow into mature plants. Find out and describe how plants need water, light and	I can describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird. can describe and compare different reproductive processes and life cycles, in animals.	I can 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



		Find out about and describe the basic needs of animals, including humans, for survival (water, food and air).  describe the basic needs of animals for survival.  Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.  name and locate parts of the human body, including those related to the senses, and describe the importance of exercise, balanced diet and hygiene for humans.			a suitable temperature to grow and stay healthy. describe basic needs of plants for survival and the impact of changing these.	I can describe the life process of reproduction in some plants from different habitats, comparing the reproductive process of using different parts of the parent plant eg. Tubers, bulbs, runners, seeds, root and stem cuttings. name, locate and describe the functions of the main parts of plants, including those involved in reproduction I can compare lifecycles of different animals from different habitats and historical times. can describe and compare different reproductive processes and life cycles, in animals. Know about the work of different naturalists eg. David Attenborough and Jane Goodall.	use the observable features of plants, animals and micro-organisms to group, classify and identify them into broad groups, using keys or in other ways I can give reasons for classifying plants and animals based on specific characteristics. use the observable features of plants, animals and micro-organisms to group, classify and identify them into broad groups, using keys or in other ways
			Year 3 Rocks and Fossils	Year 6 Evolution and Natura Selection	al		
Evolution and Inheritance							The fossil record. Evolution in terms of inheriting characteristics from parents. Importance of time and adaptation.  I can recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago use the basic ideas of inheritance, variation and adaptation to describe how living things have changed over time and evolved; and describe how fossils are







Na	ame some simple materials	Name some objects and	Suitability of an object for its
	escribe materials simply	state what they are made of.	purpose based on
	plore ice and how water	Identify properties of	properties.
	anges to ice and back	materials and sort	How the shape of some solid
	anges to rec and back	accordingly.	objects can be changed.
		Identify and name a variety	Notice that animals,
		of common wild and garden	including humans, have
		plants, including deciduous	offspring which grow into
		and evergreen trees.	adults.
		Identify and describe the	the main changes as young
		basic structure of a variety of	animals, including humans,
		common flowering plants,	grow into adults.
		including trees.	Find out about and describe
		Ü	the basic needs of animals,
			including humans, for
			survival (water, food and
			air).
			describe the basic needs of
			animals for survival.
			Describe the importance for
			humans of exercise, eating
			the right amounts of
			different types of food, and
			hygiene.
			name and locate parts of
			the human body, including
			those related to the senses,
			and describe the importance
			of exercise, balanced diet
			and hygiene for humans.



				materials, including metals, wood and plastic justify the use of different everyday materials for different uses, based on their properties.  Demonstrate that dissolving, mixing and changes of state are reversible changes. identify, with reasons, whether changes in materials are reversible or not.  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. identify, with reasons, whether changes in materials are reversible or not.
	EYFS Year 1 Exploring What are objects materials?	Year 2 Year 3 Materials Soil, rocks and their and fossils properties	Solids, Mixtures liquids	Year 5 Making new substances
States of Matter			Solids / liquids / gases – properties of these. Changes of state (melting and freezing) and the water cycle (evaporation and condensation) measuring temperature.  Observe and describe how seeds and bulbs grow into mature plants. the main changes as 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. describe basic needs of plants for survival and the impact of changing these.	



		EYFS Exploring weather	Year 1 Seasons	Year 5 Earth and Space	EYFS Exploring weather	Year 1 Seasons	Year 3 Light	Year 4 How sound is made, travel and can be changed	Year 6 How light behaves and how we see	
Seasonal Changes	Exploring weather connected with the seasons. Explore the natural world around them. • Describe what they see, hear and feel whilst outside. • Understand the effect of changing seasons on the natural world around them.	Observe and describe four seasons. Look at weather and day length and impact of this on people and animals/plants  Identify and name a variet of common wild and gard plants, including deciduor and evergreen trees.  Identify and describe the basic structure of a variet common flowering plants including trees.	ty en us							
				EYFS Observing the world	Year 3 Magnets pushes a pulls	•	es that ose			
	Explore pushing pulling			n c E r	A force is a push of Movement of objustifierent surfaces Behaviour of magnagnetic material observe and description.	ects on . nets and ls.		resistar simple	of air and water nce, friction, gravit mechanisms	<b>/</b> ,
Forces				s r t a F	eeds and bulbs g mature plants. the main changes and bulbs grow ir plants. Find out and desco plants need wate	as seeds to mature ribe how r, light and		togethe on the propert hardne transpa (electric respons	empare and group er everyday materi basis of their ties, including their ss, solubility, arency, conductivitical and thermal), a se to magnets	
				£ - C	a suitable temper grow and stay he describe of plants for survi mpact of changir	althy. pasic needs val and the		materio in diffe to their first-ha justify	and identify als, including rocks rent ways according r properties, based and observation; and the use of differen ay materials for	ng on nd
								their production I know will diss	nt uses, based on roperties. that some materia solve in liquid to fo on, and describe h	<mark>rm</mark>



		to recover	a substance from
		a solution	a substance from
			ad dossribo what
			nd describe what
			hen dissolving
		occurs in e	
			and describe
			arate mixtures
			ons into their
		component	
			nowledge of
			ds and gases to
		decide how	mixtures might
		be separate	ed, including
			ering, sieving and
		evaporatin	
			nd describe what
			hen dissolving
		occurs in e	
			and describe
			arate mixtures
			ons into their
		component	
			easons, based on
			om comparative
		and fair tes	
			ises of everyday
		wood and p	ncluding metals,
			use of different
			naterials for
			ses, based on
		their prope	
			te that dissolving,
			changes of state
			ole changes.
			ith reasons,
		whether ch	
			are reversible or
		not.	
			t some changes
			e formation of
			ials, and that this
			nge is not usually
			including changes
			with burning and
		the action of	of acid on
		bicarbonate	e of soda.
			ith reasons,
		whether ch	
			are reversible or
		not.	



	E	EYFS Year 1 Exploring Seasons weather	Year 3 Light	Year 4 How sound is made, travel and can be changed	Year 6 How light behaves and how we see	
Explore the natural varound them. Described they see, hear and for whilst outside. Exploring dark and liplaces Torches make light Light changes colour coloured sheets  Light	ribe what eel ight		We need light to see. Reflections. Shadow formation and patterns in shadow size.  Observe and describe he seeds and bulbs grow in mature plants. the main changes as see and bulbs grow into mat plants. Find out and describe he plants need water, light a suitable temperature t grow and stay healthy. describe basic needs of plants for survival and the impact of changing these seeds and bulbs grow into material plants.  Find out and describe he plants need water, light a suitable temperature to grow and stay healthy. The plants for survival and the impact of changing these seeds and bulbs grow into material plants.  Find out and describe he plants need water, light a suitable temperature to grow and stay healthy. The plants for survival and the impact of changing these seeds and bulbs grow into material plants.  Find out and describe he plants need water, light a suitable temperature to grow and stay healthy. The plants for survival and the impact of changing these seeds and bulbs grow into material plants.  Find out and describe he plants need water, light a suitable temperature to grow and stay healthy. The plants for survival and the impact of changing these seeds and bulbs grow into material plants.  Find out and describe he plants need water, light a suitable temperature to grow and stay healthy.	ds ure w and o		Light travels in straight lines. We see because light enters our eyes. Shadows are the same shape as the outline shape of the object.  I can recognise that light appears to travel in straight lines use the idea that light from light sources, or reflected light, travels in straight lines and enters our eyes to explain how we see objects, and the formation, shape and size of shadows.  I can 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 use the idea that light from light sources, or reflected light, travels in straight lines and enters our eyes to explain how we see objects, and the formation, shape and size of shadows.  I can explain that we see things because light travels from light sources to our eyes or from light sources to our eyes or from light sources to objects and then to our eyes use the idea that light from light sources, or reflected light, travels in straight lines and enters our eyes to explain how we see objects, and the formation, shape and enters our eyes to explain how we see objects, and the formation, shape and enters our eyes to explain how we see objects, and the formation, shape and size of shadows.  I can use the idea that light from light sources, or reflected light, travels in straight lines and enters our eyes to explain how we see objects, and the formation, shape and size of shadows.  I can use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.



		E	YFS Year 1 xploring Seaso veather		Year 4 How sound made, trav	el behaves	use the idea that light from light sources, or reflected light, travels in straight lines and enters our eyes to explain how we see objects, and the formation, shape and size of shadows.
					changed	we see	
Sound	Describe what they see, hear and feel whilst outside. Experiment with different musical instruments, voice and body percussion				Sounds vibratii travel t Sounds (pitch)  Observ seeds a mature the ma and bu plants. Find ou plants a suital grow a describ plants of the suital grow and the suital g	are made by ang objects Sounds chrough materials. a can be high / low loud / quiet (volume) are and describe how and bulbs grow into a plants. in changes as seeds lbs grow into mature at and describe how need water, light and ble temperature to and stay healthy. be basic needs of for survival and the of changing these.	
			EYFS	Year 4	Year 6		
			Turn i	•	Controlli		
			turn i	t off. electrical circuits work	electrica circuits		
Electricity	Explore how things work. Electricity makes things work. Safety				appliar simple electric insulate Observ seeds a	some electrical aces. Investigate circuits. Recognise cal conductors and ors  re and describe how and bulbs grow into e plants.	Understand the effect of increasing the number of batteries or voltage of battery on components in a circuit. Use symbols when drawing diagrams.  I can associate the brightness of a lamp or the volume of a buzzer with the



			the main changes as 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. describe basic needs of plants for survival and the impact of changing these.		number and voltage of cells used in the circuit.  use simple apparatus to construct and control a series circuit, and describe how the circuit may be affected when changes are made to it  I can 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 simple apparatus to construct and control a series circuit, and describe how the circuit may be affected when changes are made to it  I can use recognised symbols when representing a simple circuit in a diagram.  use recognised symbols to represent simple series
		EYFS Year 1 Exploring Seasons weather	Year 5 Earth and Space		circuit diagrams.
Earth and Space	Explore the concept of space through story Know that we have landed on the Moon			relative movement of Earth, Moon and planets around Sun, Earth's rotation to explain day/night and apparent movement of sun I can 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 group and identify materials, including rocks, in different ways according to their properties, based on first-hand observation; and justify the use of different	



	everyday materials for
	different uses, based on
	their properties.
	I know that some materials
	will dissolve in liquid to form
	a solution, and describe how
	to recover a substance from
	a solution
	identify, and describe what
	happens when dissolving
	occurs in everyday
	situations; and describe
	how to separate mixtures
	and solutions into their
	components.
	I can use knowledge of
	solids, liquids and gases to
	decide how mixtures might
	be separated, including
	through filtering, sieving and
	evaporating identify and describe what
	identify, and describe what
	happens when dissolving
	occurs in everyday
	situations; and describe
	how to separate mixtures
	and solutions into their
	components.
	I can give reasons, based on
	evidence from comparative
	and fair tests, for the
	particular uses of everyday
	materials, including metals,
	wood and plastic
	justify the use of different
	everyday materials for
	different uses, based on
	their properties.
	Demonstrate that dissolving,
	mixing and changes of state
	are reversible changes.
	identify, with reasons,
	whether changes in
	materials are reversible or
	not.
	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.	
	identify, with reasons,	
	whether changes in	
	materials are reversible of	r
	not.	