



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery (Understanding the world)	Physical features of themselves/ objects found in Autumn. (Seasonal change/ Animals, including humans.)	Winter (Seasonal change/ states of matter)	What is it made from? (Everyday materials)	Farm animals/ Spring (Animals, including humans/ seasonal change)	Minibeasts/ Plants (Plants, Animals, including humans)	Sea animals/ Summer (Animals, including humans/ seasonal change)
Reception (Understanding the world)	Summer - Autumn Exploration of where they live. (Seasonal change/Living Things and their habitats.)	Autumn - Winter (freezing/melting) (Seasonal change, states of matter)	Importance of a bedtime routine, brushing teeth etc. (Animals including Humans/Living Things)	Basic needs of animals / how they are adapted to the environment (simply). Winter - Spring (Animals, including humans, Living things, seasonal change	Life cycle of a plant, animal. (Seasonal Change, Plants, Animals including Humans.)	Sealife Spring - Summer (Seasonal Change, Living Things.)
Year 1	The Human Body (weeks 1-5) 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	Materials (weeks 1-5) Distinguish between an object and the material from which it is made. Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water and rock. Describe the simple physical properties of a variety of everyday materials.	Plants (week 1) 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. Animals (weeks 2-6)	Animals (week 1-2) Identify and name a variety of common animals that are carnivores, herbivores and omnivores. Caring for the Planet (weeks 3-5) Working scientifically — Explore the world around them	Plants (week 1-4) 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. TAPS assessment (Week 5) Plant Structure	Plants (week 1) 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. Planting C (week 2)





Clarice Cliff						
	animals (fish,	TAPS assessment	Identify and name a	and raise their own		ldentify and
	amphibians,	(Week 6)	variety of common	questions		describe the basic
	reptiles, birds and	Reflectiveness/ Light	animáls including	'		structure of a
	mammals, including		fish, amphibians,	.Working		variety of
	pets)	Seasonal changes	reptiles, birds and	scientifically – Using		common flowering
	petsy	(week 7)	mammals.	their observations		plants, including
	Identify, name, draw	(week /)	maninats.	and		trees.
	and label the basic	0				trees.
		Observe changes	Identify and name a	ideas to suggest		
	parts of the human	across the four	variety of common	answers to		<u>Growing and</u>
	body and say which	seasons.	animals that are	questions.		Cooking
	part of the body is		carnivores,			<u>(week 3-5)</u>
	associated with		herbivores and			
	each sense	Observe and	omnivores.	<u>Seasonal Changes</u>		Working
		describe weather		(week 6)		scientifically – Using
	TAPS assessment	associated with the	Describe and	· · · · · ·		their observations
	(Week 6)	seasons and how	compare the	Observe changes		and
	Animals Including	day length varies.	structure of a	across the four		ideas to suggest
	Humans	day teriger varies.	variety of common	seasons.		answers to
			animals (fish,	3000015.		questions
			amphibians,	Observe and		questions
			reptiles, birds and	describe weather		
						6
			mammals, including	associated with the		<u>Seasonal changes</u>
	Seasonal changes		ρets)	seasons and how		(week 6)
	(week 7)			day length varies.		
	(week /)		ldentify, name, draw			Observe changes
	Observa abanasa		and label the basic			across the four
	Observe changes		parts of the human	Planting B		seasons.
	across the four		body and say which	(week 7)		
	seasons.		part of the body is	, , , , ,		Observe and
			associated with	Identify and		describe weather
			each sense.	describe the basic		associated with the
	Observe and		3 4 5 1 5 5 1 5 5 1	structure of a		seasons and how
	describe weather			variety of		day length varies.
	associated with the			common flowering		ody terigiti varies.
	seasons and how			plants, including		TAPS assessment
	day lenath varies.			trees.		(Week 7)
	1 , , , ,			trees.		Seasonal Change
						<u>Seasonal Change</u>
\ <u> </u>	Animals needs for	Materials	Plants (Light and	Living things and	Plants (Bulbs and	Growing up
Year 2	survival (Weeks 1-5)	(Weeks 1-4)	dark)	their habitats	seeds)	(Weeks 1-3)
	Salvivat (Weeks 1-0)	(AACCK2 1-4)	(Weeks 1-4)	(Weeks 1-5)	(Weeks 1-3)	(weeks 1-0)
	Find out about and	Identify and	(Weeks 1-4)	(weeks 1-0)	(weeks 1-3)	Notice that animals,
	describe the basic	Identify and compare the	Find out and	Identify that most	Observe and	including humans,
	needs of animals,	suitability of a	describe how plants	living things live in	describe how seeds	have offspring
	including humans,	variety of everyday	need water, light	habitats to which	and bulbs grow into	which grow into
	for survival (water,	materials, including	and a suitable	they are suited and	mature plants.	adults.
	food and air).	wood, metal, plastic,	temperature to	describe how		
		glass, brick, rock,	grow and stay	different habitats	Find out and	<u>Plants (Bulbs and</u>
	<u>Humans</u>	paper and	healthy.	provide for the	describe how plants	seeds)
	(Week 6)			basic needs of	need water, light	(Week 4)





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		cardboard for	<u>Living things and</u>	different kinds of	and a suitable	
	Describe the	particular uses.	their habitats	animals and plants,	temperature to	Observe and
	importance for		(Weeks 5-6)	and how they	grow and stay	describe how seeds
	humans of exercise,	Find out how the	, ,	depend on each	healthy.	and bulbs grow into
	eating the right	shapes of solid	Identify that most	other.	,	mature plants.
	amounts of	objects made from	living things live in		TAPS assessment	
	different types of	some materials can	habitats to which	ldentify and name a	(Week 4)	Growing up
	food, and hygiene.	be changed by	they are suited and	variety of plants	Plant growth	(Week 5)
	1000, and mygleric.	squashing, bending,	describe how	and animals in their	rtarit growth	(Week of
		twisting and	different habitats	habitats, including		Notice that animals,
		stretching.	provide for the	microhabitats.		including humans,
	TADC	strettring.		microndonats.		
	TAPS assessment	TADC	basic needs of	D Is		have offspring
	(Week 7)	TAPS assessment	different kinds of	Describe how		which grow into
	<u>Hand Spans</u>	(Week 5)	animals and plants,	animals obtain their		adults.
		<u>Waterproof</u>	and how they	food from plants		
		<u>Materials</u>	depend on each	and other animals,		<u>Wildlife</u>
			other.	using the idea of a		<u>(Week 6-7)</u>
		<u>Sustainability</u>		simple food chain,		
		(Week 6-7)	Identify and name a	and identify and		Working scientifically -
		•	variety of plants	name different		Asking simple questions
		Working scientifically -	and animals in their	sources of food.		and recognising that they
		Explore the world around	habitats, including			can be answered in
		them	microhabitats.	Explore and		different ways.
		and raise their own	····or or racitate.	compare the		different ways.
		questions		differences between		
		questions		things that are		
				living, dead, and		
				things that have never been alive.		
				TAPS assessment		
				(Week 6)		
				<u>Living and non-</u>		
				<u>living</u>		
				<u>Plants (Light and</u>		
				<u>dark)</u>		
				<u>(Week 7)</u>		
				' '		
				Find out and		
				describe how plants		
				need water, light		
				and a suitable		
				temperature to		
				grow and stay		
				healthy		
				Healthy		





Clarice Cliff						
Year 3	Skeletons (Weeks 1-3)	Food waste (Week 1)	Soils (Weeks 1-4) Recognise that soils	<u>Light</u> (Weeks 1-4)	<u>Plants</u> (Weeks 1-3)	<u>Forces</u> (Week 1-2)
	Identify that humans and some other animals have	Working scientifically – Asking relevant	are made from rocks and organic matter	Notice that light is reflected from surfaces.	Investigate the way in which water is	Compare how things move on different surfaces.
	skeletons and muscles for support, protection and movement.	questions and using different types of scientific enquiries to answer them.	<u>Light</u> (Weeks 5-6)	Recognise that shadows are formed when the	transported within plants. Explore the part	<u>Magnets</u> (Weeks 3-4)
			Recognise that they need light in order to see things and that dark is the absence of light. Recognise that light from the Sun can be dangerous and that there are ways to protect their eyes.	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. TAPS assessment (Week 5) Light Plants (Weeks 6-7) 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,	Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal. TAPS assessment (Week 4) Plants	Notice that some forces need contact between 2 objects, but magnetic forces can act at a distance. Compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials Observe how magnets attract or repel each other and attract some materials and not others. Describe magnets as having 2 poles and predict whether 2 magnets will
	they eat.	terms how fossils are formed when things that have lived are trapped within rock.		water, nutrients from soil, and room to grow) and how they vary from plant to plant.		attract or repel each other, depending on which poles are facing.
		TAPS assessment (Week 7) Rocks				TAPS assessment (Week 5) Forces and Magnets
						<u>Plants</u> (Week 6)





Clarice Cliff						C
						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.
						Biodiversity (Week 7)
						Working scientifically – Asking relevant questions and using different types of scientific enquiries to answer them.
						Working scientifically – Reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.
Year 4	Group and classify living things	State of matter (Week 1-5)	<u>Sound</u> (Week 1-4)	Data collection -B (Week 1)	<u>Data collection - C</u> (Weeks 1-2)	<u>Deforestation</u> (Week 1)
	(Weeks 1-3) 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. TAPS assessment	Compare and group materials together, according to whether they are solids, liquids or gases. 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	Recognise that vibrations from sounds travel through a medium to the ear Identify how sounds are made, associating some of them with something vibrating. Find patterns between the volume of a sound and the	Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment. Working scientifically – Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts and tables.	Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment. Working scientifically—Gathering, recording, classifying and presenting data in a variety of ways, to help in answering	Working scientifically – Asking relevant questions and using different types of scientific enquiries to answer them. Reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and
	(Week 4) Living things and their habitats	(°C). Identify the part played by	strength of the vibrations that produced it.	Electricity (Weeks 2-4)	questions. Working scientifically –	conclusions. The digestive system





Data collection -A
(Weeks 5-6)

Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment.

Working
scientifically –
Gathering,
recording,
classifying and
presenting data in a
variety of ways to
help in answering
questions.

Working scientifically – Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts and tables

State of matter (Week 7)

Compare and group materials together, according to whether they are solids, liquids or gases. evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.

TAPS assessment (Week 6) States of Matter

> Sound (Week 7)

Identify how sounds are made, associating some of them with something vibratina. Find patterns between the pitch of a sound and features of the object that produced it.

Recognise that sounds get fainter as the distance from the sound source increases.

TAPS assessment (Week 5) Sound

Data collection - B
(Week 6)
Explore and use
classification keys
to help group,
identify and name a
variety of living
things in their local
and wider
environment.

Working
scientifically –
Gathering,
recording,
classifying and
presenting data in a
variety of ways to
help in answering
questions.

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.

TAPS assessment (Week 5) Electricity

> Energy (Week 6-7)

Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts and tables

Working scientifically – Reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.

> <u>Habitats</u> (Weeks 3-4)

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. (Weeks 2-5)
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.

TAPS assessment (Week 6) Animals including humans

> Food chains (Weeks 6-7)

Construct and interpret a variety of food chains, identifying producers, predators and prey.





				Working scientifically – Using straightforward scientific evidence to answer questions or to support their findings. Working scientifically – Gathering, recording, classifying and presenting data in a variety of ways to help in answering questions.		
Year 5	Forces	<u>Space</u>	Property of	Animals including	Reproduction	Reversible and
rears	(Weeks 1-4)	(Weeks 1-3)	materials	humans	(Week 1)	irreversible
			(Week 1-2)	(Week 1)		<u>changes</u>
	Identify the effects	Describe the	6	Describe the	Describe the	(Week 1-3)
	of air resistance, water resistance	movement of the Earth, and other	Compare and group together everyday	changes as humans develop to old age.	differences in the life cycles of a	Use knowledge of
	and friction that act	planets, relative to	materials on the	TAPS assessment	mammal, an	solids, liquids and
	between moving	the Sun in the solar	basis of their	(Week 2)	amphibian, an	gases to decide how
	surfaces.	system.	properties,	Living things and	insect and a bird.	mixtures might be
	22		including their	their habitats		separated,
	Explain that	Use the idea of the	hardness, solubility,		TAPS assessment	including through
	unsupported	Earth's rotation to	transparency,	<u>Life cycles</u>	(Week 2)	filtering, sieving
	objects fall towards the Earth because	explain day and	conductivity	(Week 3-6) Describe the	Animals including	and evaporating
	of gravity acting	night and the apparent movement	(electrical and thermal) and	differences in the	<u>humans</u>	Demonstrate that
	between the Earth	of the Sun across	response to	life cycles of a	Reversible and	dissolving, mixing
	and the falling	the sky.	magnets.	mammal, an	irreversible	and changes of
	object.	,		amphibian, an	changes	state are reversible
		Describe the	Give reasons, based	insect and a bird.	(Week 3-4)	changes.
	Recognise that some mechanisms.	movement of the	on evidence from		/ n a th a t a a n = -	Evalain that ages
	some mechanisms, including levers,	Moon relative to the Earth.	comparative and fair tests, for the	Reproduction	Know that some materials will	Explain that some changes result in
	pulleys and gears,	Lai tii.	particular uses of	(Week 6-7)	dissolve in liquid to	the formation of
	allow a smaller	TAPS assessment	everyday materials,	1	form a solution, and	new materials, and
	force to have a	(Week 4)	including metals,	Describe the	describe how to	that this kind of
	greater effect	Earth and Space	wood and plastic.	differences in the	recover a	change is not





		C		life cycles of a	substance from a	usually reversible,
	TAPS assessment	Global warming	TAPS assessment	mammal, an	solution	including changes
	<u>(Week 5)</u>	(Week 5)	<u>(Week 3)</u>	amphibian, an		associated with
	<u>Forces</u>	Working	<u>Properties and</u>	insect and a bird.	Use knowledge of	burning, and the
	Space _	scientifically -	changes of materials		solids, liquids and	action of acid on
	(Weeks 6-7)	Identifying scientific	Animals including		gases to decide how	bicarbonate of
	5 11 11 6	evidence that has	humans		mixtures might be	soda.
	Describe the Sun,	been used to	(Week 4-6)		separated,	District and the con-
	Earth and Moon as	support or refute	treek + of		including through	Plastic pollution (Week 4)
	approximately spherical bodies.	ideas or arguments.	Describe the		filtering, sieving and evaporating	(Week 4)
	sprierical occies.		changes as humans		and evaporating	Working
		<u>Property of</u>	develop to old age.			Scientifically -
		<u>materials</u>	, 0			Identifying scientific
		<u>(Week 6-7)</u>				evidence that has
						been used to
		Compare and				support or refute
		group together everyday materials				ideas or arguments.
		on the basis of their				
		properties,				Working
		including their				Scientifically -
		hardness, solubility,				Reporting and
		transparency,				presenting findings
		conductivity '				from enquiries, including
		(electrical and				conclusions, causal
		thermal) and				relationships and
		response to				explanations of and
		magnets.				degree of trust in
						results, in oral and
						written forms such
						as displays and
						other presentations.
						5
						Reproduction
						(Weeks 5-7)
						Describe the life
						process of
						reproduction in
						some plants and
						animals.
Year 6	<u>Living things and</u>	<u>Electricity</u>	<u>Light</u>	The circulatory	<u>Adaptation</u>	<u>Fossils</u>
redi o	their habitats	<u>(Week 1-3)</u>	(Week 1)	<u>system</u>	(Weeks 1-2)	(Weeks 1)
	<u>(Weeks 1-5)</u>			<u>(Week 1)</u>		
	Barrello de la compressión	Use recognised	Use the idea that	Laboration of the contract of	Identify how animals	Recognise that
	Describe how living	symbols when	light travels in	Identify and name	and plants are	living things have
	things are classified	representing a	straight lines to	the main parts of	adapted to suit	changed over time
	into broad groups		explain why	the human	their environment in	and that fossils





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.

TAPS assessment (Week 6) Classification

> Electricity (Week 7)

Use recognised symbols when representing a simple circuit in a diagram.

simple circuit in a diagram.
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.

Associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit.

TAPS assessment (Week 4) Electricity

Renewable energy (Week 5)

Associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit.

Working scientifically – Reporting and presenting findings from enquiries in oral and written forms such as displays and other presentations.

<u>Light</u> (Weeks 6-7) Explain that we see things because light shadows have the same shape as the objects that cast them.

Recognise that light appears to travel in straight lines.

TAPS assessment (Week 2) Light

<u>Light pollution</u> (Week 3)

Working scientifically— Identifying scientific evidence that has been used to support or refute ideas or arguments.

Working scientifically – Reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and a degree of trust in results, in oral and written forms such as displays and other presentations.

The circulatory system (Week 4-6)

Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood.

Describe the ways in which nutrients and water are transported within circulatory system, and describe the functions of the heart, blood vessels and blood.

TAPS assessment (Week 2) Animals including humans

> Diet, drugs and alcohol (Week 3-4)

Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function.

Variation (Week 5-6)

Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents.

> Adaptation (Week 7)

Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.

different ways and that adaptation may lead to evolution.

TAPS assessment (Week 3) <u>Evolution and</u> <u>Inheritance</u>

> Fossils (Weeks 4)

Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago.

provide information about living things that inhabited the Earth millions of years ago.

> Consolidation (Week 2-4)

Themed project (Week 5-7)

Working scientifically - Planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.

Working scientifically - Take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate.

Gather, record and classify data – Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.

Answer questions and make conclusions –
Reporting and presenting findings from enquiries, including conclusions.





travels from light sources to our eyes or from light sources to objects and then to our eyes.	animals, including humans.	de in	ausal relationships and explanations of and a egree of trust in results, a oral and written forms ich as displays and other presentations.
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.			Evaluate – Using test results to make predictions to set up turther comparative and fair tests.