

	Throughout our EYFS journey		
	Plants and Animals	Changes Over Time	Natural Processes
	Term I	Term 2	Term 3
EYFS	What Makes Me Special?	Once upon a time!	\Out of the world
	o Identifying their family by commenting on	Describe changes to trees and woodland plants	Compare features of the local environment
	photos of their family; naming who they can	in winter and comparing to other seasons.	with those of a contrasting environment.
	see and of what relation they are to them.	<ul> <li>Describe and explain changes of state within</li> </ul>	Describe different planets and talk about their
	<ul> <li>Know that children were babies in the past</li> </ul>	water and ice.	similarities and differences.
	and adults were children.	Roots, shoots and wellie boots	<ul> <li>Explore non-fiction texts that offer an insight</li> </ul>
	Can draw similarities and make	o Identify similarities and differences between	into contrasting environments.
	comparisons between other families.	babies and 4 year olds.	Land Ahoy!
	Observe and talk about the natural world	O Describe how people change in the first 4 years	Describe changes to trees and woodland plants
	around my school yard.	of life.	in summer.
	O Sort objects that we can recycle within the	0 Identify similarities and differences between four	Articulate similarities and differences with
	classroom and monitor what we are putting	year olds and adults.	Materials in water. E.g. Floating, sinking,
	in our bins to support our Eco-School.	Describe changes to trees and woodland plants	waterproof
	Name vegetables and fruit that can be	in spring.	Make observations of differences between
	harvested on a farm.	O Know and demonstrate how to grow seeds and	natural objects and features from woodland
	Abracadabra!	care for seedlings.	and coastal areas. Compare traditions observed
	Talk about the Autumn changes to trees	O Naming the specific parts of plants and where	at the beach in the past and present.
	and woodland plants that I observe.	they grow.	Name physical features of a beach
	<ul> <li>Know and demonstrate how to plant bulbs,</li> </ul>	Explain the life cycle of a plant and what they	environment using secondary sources.
	predicting how they may grow.	need to grow.	O Describe natural and manmade beach detritus
	Talk about nocturnal animals in our	Begin to develop an understanding of growth,	and know the dangers to wildlife from man
	locality — foxes, bats.	decay, changes over time and how we can	made rubbish.
	O Talk about different ways to stay safe in	protect our plants.	
	the dark (reflectors etc)	O Sequence the life of a baby chick from hatching	
	Describe and explain the change of state	to maturity	
	with cheese and clay.		





#### Year 1



#### Animals Including Humans — All about me

- To identify, name, draw and label the basic parts of the human body and say which part is associated with each sense.
   Discover the basic parts of the human body.
- To identify, name, draw and label the basic parts of the human body and say which part is associated with each sense.

  Learn about eyes and sight
- To identify, name, draw and label the basic parts of the human body and say which part is associated with each sense.
   Learn about ears and hearing
- To identify, name, draw and label the basic parts of the human body and say which part is associated with each sense.
   Explore tongue and taste
- To identify, name, draw and label the basic parts of the human body and say which part is associated with each sense.
   Explore the sense of touch.
- To identify, name, draw and label the basic parts of the human body and say which part is associated with each sense.
   Discover how your nose smells.



Animals Including Humans — All about animals



#### Materials — Exploring Everyday Materials

- To identify and name a variety of everyday materials.
   Name materials including glass, metal, wood, plastic, water, rock
- Distinguish between an object and the material it is made from.
  - Build a waterproof structure
- To describe the simple physical properties of everyday materials.
- Compare and group together a variety of everyday materials.
  - Identify objects that are natural and manmade
- Compare and group together a variety of everyday materials.
   Identify objects that will float or sink.
- To describe the simple physical properties of everyday materials.
  - Explore materials which are best for different objects.



wind.

#### Materials — Exploring Everyday Materials Part 2

 To describe the simple physical properties of everyday materials.
 Building a structure long enough to withstand



#### Plants

- To become familiar with the common names of flower and plant structures including seeds.
   Understand that seeds grow into plants.
- Identify and describe the basic structure of a variety of common flowering plants including trees.
- Identify the basic parts of plants and trees
   Identify and name a variety of common garden and wild plants
  - Understand that different plants can grow in the same environment
- Identify and name a variety of deciduous and evergreen trees
   Know the difference between a deciduous and evergreen tree.
- To understand how plants, change over time.
   Know that trees and vegetables are varieties of plants.
- To observe the growth of planted flowers. Record the growth of a plant

#### Seasons

- To understand there are four seasons.
- Understand the changes that take place in Summer
- To investigate how you can measure rainfall.





- To identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals.
  - Animal families
- To describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds, mammals pets).
   Difference between mammals and birds
- To describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds, mammals pets).
   Difference between fish, amphibians and reptiles.
- Identify and name a variety of common animals that are carnivores, herbivores and omnivores.
- To describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds, mammals pets).
   Difference between wild animals and pets
- Identify and name a variety of common animals including fish, amphibians, reptiles, mammals and birds
   Explore the characteristics of an animal.

#### Seasons

- To understand there are four seasons.
- Understand the changes that take place in Autumn and Winter.
- To investigate how you can measure rainfall.

- To compare and group together everyday materials.
  - Build a waterproof structure
- To describe the simple physical properties of everyday materials.
  - Understand the properties of glass and its uses.
- To describe the simple physical properties of everyday materials.
  - Understand that materials are used to create a variety of furniture.
- To compare and group together everyday materials.
  - Explore a variety of fabrics and understand their different properties.
- To describe the simple physical properties of everyday materials.
  - Explain the uses of materials and why they are suitable

#### Seasons

- To understand there are four seasons.
- Understand the changes that take place in Spring.
- To investigate how you can measure rainfall.





#### Year 2



#### Materials

- To identify and compare the suitability of materials.
  - Identify different materials and their uses.
- To identify and compare the suitability of materials.
  - Understand the right materials to build a bridge
- To find out how the shape of solid objects made from some materials can be changed.
   Explore and test the stretchiness of materials
- To find out how the shape of solid objects made from some materials can be changed. Understand that materials can change their shape by twisting, bending, squashing or stretching.
- To identify and compare the suitability of materials.
   Find out about and explore the work of Charles Macintosh.
- To identify and compare the suitability of materials.
  - Discover which materials change their shape when making a road with John McAdam.



Living things and their habitats



#### Living Things — Habitats from around the world

- To 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 plants and animals.
   Learn about habitats.
- To 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 plants and animals.
   Appreciate that environments are constantly changing.
- To 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 plants and animals.
   Explore the rainforest and its problems
- To 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 plants and animals.
   Describe life in the ocean.
- To 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 plants and animals.
   Discover the Antarctic and Arctic habitats.
- To identify that most living things live in habitats to which they are suited and describe



#### Animals including humans — Life Cycles

- To notice that animals including humans have offspring which grow into adults.
   Order the stages of the human life cycle.
- To notice that animals including humans have offspring which grow into adults.
   Describe the stages of a human life cycle
- To notice that animals including humans have offspring which grow into adults.
   Identify the offspring and parent of an animal.
- To notice that animals including humans have offspring which grow into adults.
   Explore the life cycle of a chicken.
- To notice that animals including humans have offspring which grow into adults.
   Describe the life cycle of a butterfly
- To notice that animals including humans have offspring which grow into adults.
   Explore the life cycle of a frog.



#### **Plants**

- To observe and describe how seeds and bulbs grow into mature plants.
  - Know the difference between bulbs and seeds
- To find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.





- To identify and compare the difference between things that are living, dead and things that have never been alive.
- To identify and name a variety of plants and animals in their habitats including microhabitats.
  - Identify and name a variety of plants and animals in a microhabitat.
- To identify and name a variety of plants and animals in their habitats including microhabitats.
  - Design a microhabitat where living things could survive.
- To describe how animals obtain their food from other plants and animals.
   Find out what animals eat to survive in their habitats.
- To describe how animals obtain their food from other plants and animals.
   Understand a food chain.
- To identify and name different sources of food.
  - Understand the journey food makes from the farm to supermarket.

how different habitats provide for the basic needs of different plants and animals. Create a model of a habitat.



#### Animals including humans - Growth

- To find out about and describe the basic needs of animals including humans.
   Describe the needs of animals for survival.
- To find out about and describe the basic needs of animals including humans.
   Describe the needs of humans for survival.
- To describe the importance for humans of exercise, eating the right amounts of different types of foods, and hygiene.
  - Explore the importance of eating the right food.
- To describe the importance for humans of exercise, eating the right amounts of different types of foods, and hygiene.
  - Describe what a healthy balanced diet looks like.
- To describe the importance for humans of exercise, eating the right amounts of different types of foods, and hygiene.
   Investigate the impact of exercise on the human body.
- To describe the importance for humans of exercise, eating the right amounts of different types of foods, and hygiene.
   Investigate the importance of hygiene.

- Design an experiment to find out what plants need to grow.
- To find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.
   Describe what plants need to grow and stay healthy.
- To understand the requirements of plants for germination, growth and survival, as well as the processes of reproduction and growth in plants.
  - Describe the life cycle of a plant
- To observe and describe how seeds and bulbs grow into mature plants.
   Observe and record the growth of plants over time.
- To find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.
   Understand that plants adapt to suit their environment.





#### Year 3



#### Animals Including Humans

- To identify that animals, including humans, need the right types and amount of nutrition, and they cannot make their own food, they get nutrition from what they eat.
   Explore the five key food groups
- To identify that animals, including humans, need the right types and amount of nutrition, and they cannot make their own food, they get nutrition from what they eat.
   Learn about the nutrition in food we eat.
- To identify that humans and some other animals have skeletons and muscles for support, protection and movement.
   Learn about the different types of skeletons
- To identify that humans and some other animals have skeletons and muscles for support, protection and movement.
   Learn about the human skeleton
- To identify that humans and some other animals have skeletons and muscles for support, protection and movement.
   Learn about animals and their skeletons.
- To identify that humans and some other animals have skeletons and muscles for support, protection and movement.
   Explore the role of muscles.



#### Forces and magnets

- To notice that some forces need contact between two objects but magnetic forces can act at a distance.
  - Explore contact and non-contact forces.
- To compare how things move on different surfaces.
- To describe magnets as having two poles.
   Predict whether magnets will repel or attract depending on the direction of the poles.
   Explore different types of magnets.
- To compare and group together a variety of materials on the basis of whether they are attracted to a magnet.
   Explore the properties of magnets and objects

that are magnetic.

- To notice that some forces need contact between two objects but magnetic forces can act at a distance.
  - Understand that magnetic forces can act at a distance.
- To describe magnets as having two poles.
   Explore the everyday uses of magnets.





#### Plants

- To explore the requirements of plants for life and growth, and how they vary from plant to plant.
  - Compare the effect of different factors on plant growth.
- To identify and describe the functions of different parts of a flowering plant.
   Identify and describe the functions of different parts of flowering plants including photosynthesis.
- To investigate the ways in which water is transported in plants.
- To explore the part from flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal. Explore the part that flowers play in the life cycle of a plant.
- To explore the part from flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal. Understand the pollination process and the ways in which seeds are dispersed.
- To explore the requirements of plants for life and growth, and how they vary from plant to plant.
  - Compare the effect of different factors on plant growth.







- To compare and group together different tupes of rocks. Explore the formation and properties of igneous rocks.
- To compare and group together different tupes of rocks. Explore the formation and properties of metamorphic and sedimentary.
- To explore how and why rocks change over time. Weathering and the suitability of rocks for different purposes.
- To compare and group together different tupes of rocks. Explore how water contributes to the weathering of rocks.
- To describe in simple terms how fossils are made.
  - Understand how fossils are formed.
- To recognise that soils are made from rocks and organic matter. Explore different types of soil.

- To recognise that they need light in order to see things and that dark is the absence of light. Identify the difference between light sources and non-light sources.
- To recognise that light from the sun can be dangerous. Explore that light comes from the sun and how to stay safe.
- To notice that light is reflected from surfaces. Explore materials which are reflective.
- To recognise that shadows are formed when light from a light source is blocked. Discover how shadows are formed.
- To find patterns in the way that shadows change. Investigate how shadows change throughout the
- To find patterns in the way that shadows change.

Investigate how you can change the size of a shadow

#### Scientific Enquiry

- To ask relevant questions and use different types of scientific enquiry to answer them How can a solar oven be made more effective?
- To make systematic and careful observations, take accurate measurements, use a range of equipment. Record findings using scientific language, labelled diagrams, keys, charts and tables.

#### How can a solar oven be made more effective?

To make systematic and careful observations, take accurate measurements, use a range of equipment. Record findings using scientific language, labelled diagrams, keys, charts and tables.

#### Cleaning coins

- To identify differences, similarities or changes related to simple scientific ideas and processes. Reporting on findings from enquiries. Cleaning coins
- To set up a simple practical enquiry, comparative and fair test.

#### Making playdough

To use straightforward scientific evidence to answer questions and support their findings.

Making playdough





#### Year 4



#### Animals including humans

- To describe the simple functions of the basic parts of the digestive system in humans. Identify the organs in the digestive system.
- To describe the simple functions of the basic parts of the digestive system in humans.
   Describe the functions of the main organs in the digestive system.
- To describe the simple functions of the basic parts of the digestive system in humans.
   Identify the types and functions of human teeth.
- To identify the different types of teeth in humans and their functions.
   Investigate the effects of different liquids on teeth
- To construct and interpret a variety of food chains.

Understand food chains

 To construct and interpret a variety of food chains.

Explore food webs



Living things and their habitats - Conservation



#### States of matter

 To compare and group materials together according to whether they were solids, liquids or gases.

#### Compare and group the 3 states of matter

- To observe that some materials change state depending on whether they are heated or cooled and measure or research the temperature at which this happens.
  - Explore how particles behave in solids, liquids and gases
- To observe that some materials change state depending on whether they are heated or cooled and measure or research the temperature at which this happens.

Investigate melting points.

 To observe that some materials change state depending on whether they are heated or cooled and measure or research the temperature at which this happens.

#### Explore freezing and boiling points

- To identify the part played by evaporation and condensation in the water cycle and that the rate of evaporation is linked to temperature.
  - Explore evaporation and condensation
- To identify the part played by evaporation and condensation in the water cycle and that the rate of evaporation is linked to temperature.
   Understand the water cycle



### Living things and their habitats

- To recognise that living things can be grouped in a variety of ways.
  - Explore different habitats
- To make a guide to local living things.

  Research, a habitat
- To recognise that living things can be grouped in a variety of ways. Explore and use classification keys.
  - Explore how animals can be classified
- To explore and use classification keys. Identify and name a variety of living things in their local and wider environment.
  - Create a classification key
- To explore and use classification keys. Identify and name a variety of living things in their local and wider environment.
  - Adaptations and classifications with species.
- To explore and use classification keys. Identify and name a variety of living things in their local and wider environment.





#### Sound

 To identify how sounds are made associating some of them with something vibrating.





- To recognise that environments can change and that this can sometimes pose dangers to living things.
  - Describe ecosystems and how they are affected by changes in seasons.
- To recognise that environments can change and that this can sometimes pose dangers to living things.
  - Understand the human impact on the environment through deforestation.
- To recognise that environments can change and that this can sometimes pose dangers to living things.
  - Explore air pollution
- To recognise that environments can change and that this can sometimes pose dangers to living things.
  - Understand water pollution
- To recognise that environments can change and that this can sometimes pose dangers to living things.
  - Explore methods that can be used to conserve water.
- To recognise that environments can change and that this can sometimes pose dangers to living things.
  - Understand that humans can have a positive impact on nature.



#### Electricity

- To identify common appliances that run on electricity. Explore electrical appliances and electrical safety.
- To construct a simple series electrical circuit, identifying and naming its basic parts including cells, wires, bulbs, switches and buzzers. Learn about the electrical components in a series circuit.
- To identify whether a lamp will light or not in a series circuit based on whether the lamp is part of a complete loop with a battery. Investigate electrical circuit.
- To recognise some common conductors and insulators and associate metals with being good conductors.
  - Explore conductors and insulators
- To recognise that a switch opens and closes a circuit and associate this with whether a lamp will light in a series circuit.
  - Learn about electrical switches
- To identify whether a lamp will light or not in a series circuit based on whether the lamp is part of a complete loop with a battery. Investigate how electrical components can change within a circuit.

#### Identify how sounds are made

- To recognise that vibrations from a sound travel through a medium to the ear. Explore how vibrations from sounds travel through a medium to the ear.
- To recognise that vibrations from a sound travel through a medium to the ear. Explore sound insulation
- Find patterns between the volume of a sound and the strength of the vibrations that produced it.
  - Explore volume
- To find patterns between the pitch of a sound and the features of the objects that produced

#### Explore pitch

• To recognise that sounds get fainter as the distance from the sound source increases. Explore sounds from near and from far.





#### Year 5



#### Living things and their habitats

- To describe the processes of reproduction in some plants and animals.
   Understand the life processes of a plant
- To describe the differences in life cycles of a mammal, amphibian, insect and bird.
   Understand the life cycles of mammals
- To describe the differences in life cycles of a mammal, amphibian, insect and bird.
   Compare the life cycles of insects and amphibians.
- To describe the differences in life cycles of a mammal, amphibian, insect and bird.
   Understand the life cycles of birds and reptiles
- To describe the processes of reproduction in some plants and animals.
   Know about the life and work of David Attenborough and Jane Goodall
- To describe the differences in life cycles of a mammal, amphibian, insect and bird.
   Research and present the life cycle of a creature





#### Properties of materials

- To compare and group together everyday materials based on their properties.
   Exploring properties of materials
- To compare and group together everyday materials based on their properties. Give reasons based on evidence from comparative and fair tests.
  - Explore thermal conductors and thermal insulators
- To compare and group together everyday materials based on their properties.
   Explore the hardness of materials
- To know that some materials will dissolve in a liquid to form a solution. Describe how to recover a substance from a solution
   Discover materials that become soluble in water
- To know that some materials will dissolve in a liquid to form a solution. Describe how to recover a substance from a solution Investigate the solubility of materials
- To use knowledge of solids liquids and gases to decide how a mixture might be separated filtering, sieving, evaporating
   Explore how materials can be separated.



Changes of materials



#### Forces

- To explain that unsupported objects fall to Earth because of gravity.
  - Explore gravity and the work of Isaac Newton
- To identify the effects of air resistance, water resistance and friction.
  - Examine the connection between air resistance and parachutes.
- To identify the effects of air resistance, water resistance and friction.
  - Explore factors which effect an objects ability to resist water
- To identify the effects of air resistance, water resistance and friction.
  - Investigate the effects of friction on different surfaces.
- To recognise that some mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect.
  - Investigate mechanisms levers and pulleys
- To recognise that some mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect.

Investigate mechanisms — gears



Animals Including Humans





- To describe the sun, Earth and moon as approximately spherical bodies.
   Explore the solar sytem and its planets.
- To describe the movement of the Earth and other planets relative to the sun.
   Understand the heliocentric model of the solar system
- To use the idea of Earth's rotation to explain day and night and the apparent movement of the sun across the sky.
   Explain the Earth's movement in space
- To use the idea of Earth's rotation to explain day and night and the apparent movement of the sun across the sky.
   Explore the Earth's rotation and day and night
- To describe the movement of the moon relative to the Earth Explain the movement of the moon
- To describe the Earth, sun and moon as approximately spherical bodies.
   Design a planet using knowledge gained.

- To describe how to recover a substance from a solution
   Use evaporation to recover a solute from a solution.
- To demonstrate that dissolving, mixing and changes of state are reversible changes
   Recognise and describe reversible changes
- To explain that some changes result in the formation of new materials and that this type of change is not usually reversible.
   Observe chemical reactions and describe how we know new materials are made.
- To explain that some changes result in the formation of new materials and that this type of change is not usually reversible.
   Investigate rust reactions
- To explain that some changes result in the formation of new materials and that this type of change is not usually reversible.
   Investigate burning reactions
- To explain that some changes result in the formation of new materials and that this type of change is not usually reversible.
   Investigate chemical reactions — acid and bicarbonate of soda.

- To describe the changes as humans develop to old age.
   Identify the key stages of a mammal's life cycle.
- To describe the changes as humans develop to old age.
   Explore the gestation periods of mammals.
- To describe the changes as humans develop to old age.
   Learn about foetal development
- To describe the changes as humans develop to old age.

  Investigate the hand span of different aged
- To describe the changes as humans develop to old age.
   Learn about the changes experienced during puberty.
- To describe the changes as humans develop to old age.
   Describe the changes humans may experience in adult hood into old age.





#### Year 6



#### Living Things and their habitats

- To give reasons for classifying plants and animals.
  - Classify living organisms
- To give reasons for classifying plants and animals.
  - Understand the kingdoms of life
- To describe how living things are classified into broad groups according to common observable characteristics.
  - Classify living things using the linnean system
- To describe how living things are classified into broad groups according to common observable characteristics.
  - Identify the characteristics of different micro-organisms
- To describe how living things are classified into broad groups according to common observable characteristics.
  - Investigate asexual reproduction through spore dispersal
- To describe how living things are classified into broad groups according to common observable characteristics.
  - Classify and describe a living organism





#### Evolution and Inheritance

- To recognise that living things produce offspring of the same kind but that offspring can vary and are not always identical to their parents.
   Investigate how offspring vary and are not identical to their parents.
- To investigate how plants and animals are adapted to suit their environment in different ways and that the adaptations may lead to evolution.

#### Learn about animal adaptations

 To investigate how plants and animals are adapted to suit their environment in different ways and that the adaptations may lead to evolution.

#### Learn about plant adaptations

- To recognise that living things have changed over time and that fossils provide evidence of living things that lived millions of years ago.
   Explore what we can learn from fossils
- To recognise that living things have changed over time and that fossils provide evidence of living things that lived millions of years ago.
   Explore the theory of evolution
- To recognise that living things have changed over time and that fossils provide evidence of living things that lived millions of years ago.
   Explore human evolution



#### Animals including humans

- To name and identify the main parts of the human circulatory system
   Understand the functions of the heart and its role in the circulatory system.
- To name and identify the main parts of the human circulatory system
   Identify and compare blood vessels
- To name and identify the main parts of the human circulatory system
   Explore blood
- To describe the ways in which nutrients and water are transported in humans
   Learn how the body transports water and nutrients
- To recognise the impact of diet, drugs, exercise and lifestyle on how their bodies function.

  Investigate what affects your heart rate
- To recognise the impact of diet, drugs, exercise and lifestyle on how their bodies function.
   Learn about the impacts of drugs and alcohol on the body



Looking after their environment





#### Light

- To recognise that light appears to travel in a straight line.
  - Explore how light travels
- To use the idea that light travels in straight lines t explain that objects are seen by giving out or reflecting light into the eye.
   Explore reflection
- Explain that we see things because light travels from a light source to our eye or from a light source to an object to our eye Explore reflection and how it can be used to see
- To use the idea that light travels in a straight line to explain that shadows have the same shape as the objects that cast them.
  - Investigate how shadows can change
- To use the idea that light travels in a straight line to explain that shadows have the same shape as the objects that cast them.
  - Investigate how and why shadows have the same shape as the objects which cast them.
- Explain that we see things because light travels from a light source to our eye or from a light source to an object to our eye Investigate how we see objects



#### Electricity

- To use recognised symbols when representing a simple circuit in a diagram.
   Describe the parts of an electrical circuit.
- To associate the brightness of a bulb and the volume of a buzzer with the number of cells and amount of voltage in a circuit.
   Explore voltage and its effect on an electrical circuit
- To associate the brightness of a bulb and the volume of a buzzer with the number of cells and amount of voltage in a circuit.
   Apply knowledge to identify and correct problems in an electrical circuit.
- To compare and give reasons for variations in how components function.
   Investigate what effects the output of a circuit
- To compare and give reasons for variations in how components function.
   Build a set of traffic lights
- To compare and give reasons for variations in how components function.
   Apply knowledge of conductors and insulators.

- Recording data and results of increasing scientific complexity, using scientific diagrams and labels, classification keys etc Learn about climate change
- Reporting and presenting findings from enquiries
   Explain ways to reduce how much rubbish is sent to landfill.
- Recording data and results of increasing scientific complexity, using scientific diagrams and labels, classification keys etc
   Explore ways to reduce energy consumption
- Reporting and presenting findings from enquiries
   Explain what happens when fossil fuels are burnt
- Identifying scientific evidence that has been used to support or refute ideas.
   Explore the outcomes of COP26
- To use data to make predictions and set up further comparative tests
   Compare data associated with the weather.



Key

National Curriculum Objectives

Developing Experts Lessons

Themes

