

Offspring— a person's child or children.

<u>Sexual reproduction-</u> the production of new living organisms by combining genetic information from two individuals of different types

<u>Vary-</u> differ in size, amount, degree, or nature from something else.

<u>Characteristics</u>- a feature or quality belonging typically to a person, place, or thing.

<u>Suited-</u>right or appropriate for a particular person, purpose, or situation

<u>Adapted-</u> make (something) suitable for a new use or purpose.

<u>Environment-</u> the surroundings or conditions in which a person, animal, or plant lives or operates

<u>Inherited</u>-characteristic acquired genetically from one's parents or ancestors

<u>Species</u>- a group of living organisms consisting of similar individuals.

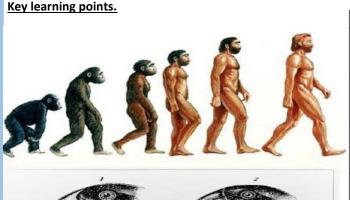
<u>Fossils-</u> the remains or impression of a prehistoric plant or animal embedded in rock.

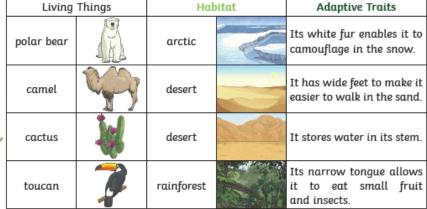
Evolution and Inheritance



What I should already know?

- 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 (year 2).
- How fossils are formed- when things that have lived are trapped within rock (year 3).
- That environments can change and that this can sometimes pose dangers to living things (year 4).









<u>Heart-</u> a hollow muscular organ that pumps the blood through the circulatory system.

<u>Pulse rate-</u> a rhythmical throbbing of the arteries as blood is propelled through them.

<u>Pump</u>- an instance of moving something by or as if by a pump.

<u>Blood-</u> the red liquid that circulates in the arteries and veins of humans and other vertebrate animals.

<u>Blood vessels-</u> a tubular structure carrying blood through the tissues and organs; a vein, artery, or capillary

Transported- take or carry from one place to another

Lungs— a pair of organs situated within the ribcage

Oxygen- a colourless, odourless reactive gas

Carbon dioxide- a colourless, odourless gas

<u>Nutrients-</u> a substance that provides nourishment essential for the maintenance of life and for growth.

<u>Muscles-</u> a band or bundle of tissue in a human or animal body that has the ability to contract, producing movement in or maintaining the position of parts of the body

<u>Cycle-</u> a series of events that are regularly repeated in the same order.

<u>Circulatory system-</u> the system that circulates blood through the body

<u>Diet-</u>the kinds of food that a person or animal eats.

Exercise- activity requiring physical effort.

<u>Drugs-</u> a medicine or other substance which has a physiological effect when ingested or otherwise introduced into the body.

Lifestyle- the way in which a person lives.

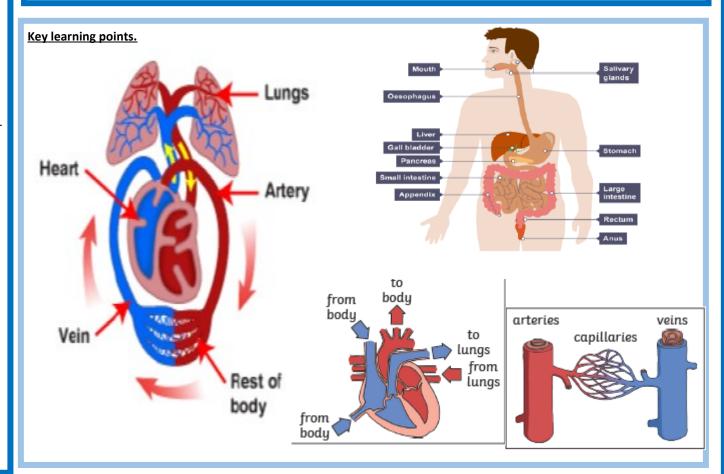
Animals Including Humans S



What I should already know?

The importance for humans to exercise, eat the right amounts of different types of food, and hygiene (year 2).

- 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 (year 3).
- The simple functions of the basic parts of the digestive system in humans. The different types of teeth in humans and their simple functions (year 4).





<u>Vertebrates</u>- an animal with a backbone or spinal column.

<u>Fish</u>- a limbless cold-blooded vertebrate animal with gills and fins living wholly in water.

<u>Amphibians-</u> a cold-blooded vertebrate animal of a class that comprises the frogs, toads, newts and salamanders.

<u>Reptiles</u>- a vertebrate animal of a class that includes snakes, lizards, crocodiles, turtles, and tortoises. They have dry scaly skin and typically laying soft-shelled eggs on land.

<u>Birds-</u> a warm-blooded egg-laying vertebrate animal distinguished by the possession of feathers, wings, a beak, and typically by being able to fly.

<u>Mammals-</u> a warm-blooded vertebrate animal of a class that is distinguished by the possession of hair or fur, females that secrete milk for the nourishment of the young, and (typically) the birth of live young.

Invertebrates- an animal lacking a backbone.

<u>Insects-</u> a small arthropod animal that has six legs and normally one or two pairs of wings

<u>Spiders-</u> an eight-legged predatory arachnid with an unsegmented body consisting of a fused head and thorax and a rounded abdomen.

Snails- a mollusc with a single spiral shell

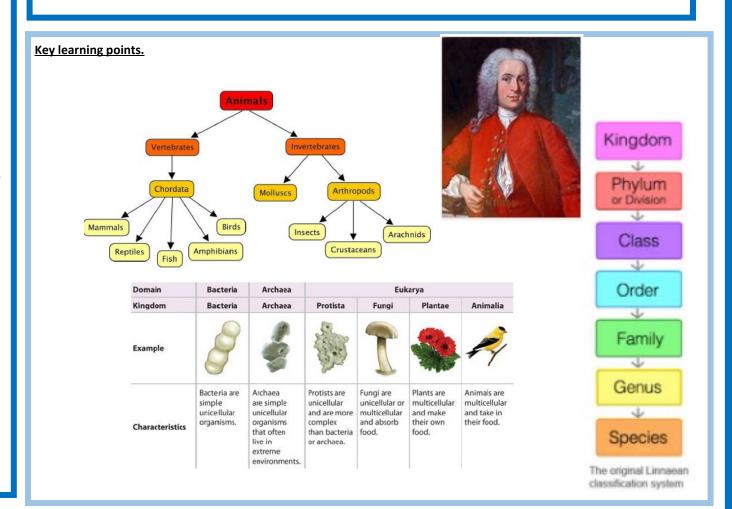
<u>Worms-</u> creeping or burrowing invertebrate animals with long, slender soft bodies and no limbs.

Living Things and Their Habitats



What I should already know?

- That living things can be grouped in a variety of ways. How to use classification keys to help group, identify and name a variety of living things in their local and wider environment (year 4).
- The differences in the life cycles of a mammal, an amphibian, an insect and a bird. The life process of reproduction in some plants and animals (Year 5).





<u>Light-</u> the natural agent that stimulates sight and makes things visible

Straight lines – a line that doesn't curve.

<u>Light</u>-the form of energy that makes it possible for the eye to see

<u>Light source</u>— anything that makes light

<u>Dark-</u>having little or no light

Absence of light—there is no light

<u>Transparent</u> -letting light pass through

<u>Translucent-</u>letting only some light through

Opaque- not letting light pass through

Shiny-reflecting or glowing with light

Matt-dull without s shine

Surface-top layer of something

<u>Shadow-</u> the dark image cast on some surface by a person or thing blocking the light

Reflect- to throw back from a surface

<u>Mirror-</u> a smooth surface that reflects an image

Sunlight-the light of the sun

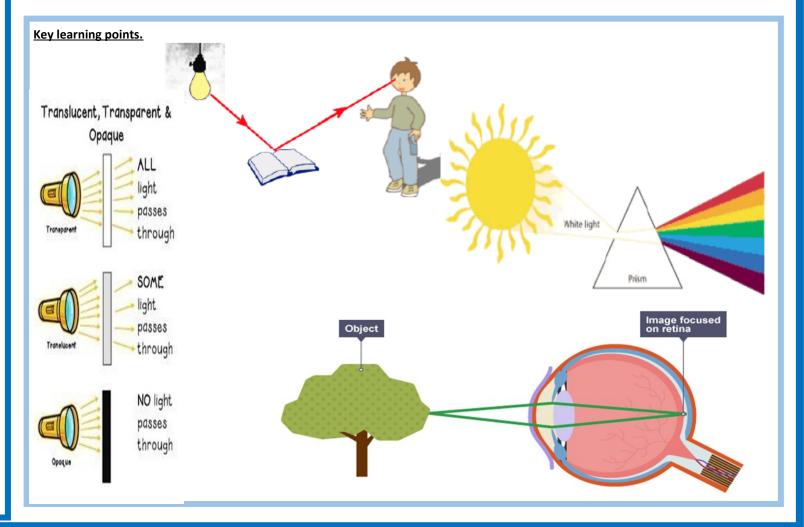
<u>Dangerous-</u>likely to cause harm

Light



What I should already know?

• That you need light in order to see things and that dark is the absence of light. That light is reflected from surfaces. That light from the sun can be dangerous and that there are ways to protect their eyes. That shadows are formed when the light from a light source is blocked by an opaque object. How to find patterns in the way that the size of shadows change (year 3).





<u>Circuit-</u> a route, or movement that starts and finishes at the same place

<u>Complete circuit</u> – a complete path which electricity can flow.

<u>Circuit diagram</u> – a simple diagram of a circuit using characters.

<u>Circuit symbol-</u> character used as to represent an object in the circuit.

<u>Cell-</u> a device containing electrodes.

<u>Battery-</u> a container consisting of one or more cells.

<u>Bulb-</u> a device used to convert electricity into light.

<u>Buzzer</u>- an electrical device that makes a buzzing noise.

Motor- giving or producing motion or action.

<u>Switch-</u> a device for making and breaking the connection in an electric circuit.

<u>Voltage-</u> a force expressed in volts.

Electricity



What I should already know?

- Common appliances that run on electricity (year 4).
- How to construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers (year 4).
- 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 (year 4).
- That a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit (year 4).
- Some common conductors and insulators, and associate metals with being good conductors (year 4).

