Year 4

Living in Environments



How are you working Scientifically?

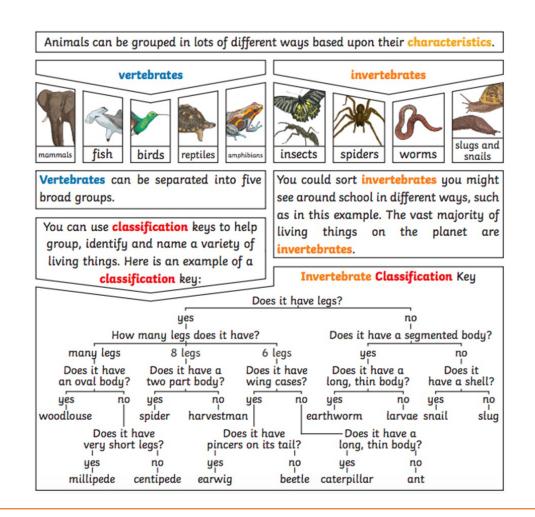
Set up simple practical enquiries, comparative and fair tests Make systematic and careful observations
Gather, record, classify and present data in a variety of ways Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables
Report on findings from enquiries
Use results to draw simple conclusions
Identify differences, similarities or changes related to simple scientific ideas and processes

Science Living in Environments Year 4

Pre existing knowledge

- Electricity is a form of energy that can be carried by wires and is used for heating and lighting, and to provide power for devices.
- Sources of light and sound may need electricity to work.

Vocabulary	
Organisms	This is another word that can be used to mean 'living things'.
Life processes	The things living things do to stay alive.
Habitat	The specific area or place in which particular animals or plants may live.
Environment	An environment Contains many habitats and these include areas where there are both living and non-living things.
Endangered species	A plant or animal where there are not many of their species left and scientists are concerned that the species may become extinct.
Extinct	When a species has no more members alive on the planet, it is extinct.





Respiration

All living things respire.

· Plants and animals use oxygen in the air to turn the food they eat into energy.

MRS. NERG





MRS. NERG Nutrition

towards the light.

All living things need nutrition.

- · Food is eaten to provide energy to live.
- · Green plants make their own food using sunlight.



MRS. NERG Excretion

All living things excrete. · Waste products are

removed from the body. Both plants and animals have to get rid of excess gas



MRS. NERG Reproduction

All living things reproduce · Animals have young.

· Plants produce seeds from which more

plants grow.



MRS. NERG

Growth All living things grow

- · Animals grow from babies to adults.
- · Seeds grow into plants



To stay alive and healthy, all living things need certain conditions that let them Carry out seven life processes:

Vocabulary	
Vertebrates	Animals with a backbone.
Invertebrates	Animals without a backbone.
Specimen	A particular plant or animal that scientists study to find out about its species.
Characteristics	The distinguishing features or qualities that are specific to a species.

Changes to an environment can be natural or caused by humans. Changes to an environment can have positive / as well as negative effects. Here are some examples of things that can change an environment.

- · earthquakes
- storms g · floods
- o droughts
- · wildfires
- or plant species to an environment · the seasons · creating new nature reserves

 urbanisation · the introduction of new animal

deforestation

pollution

Plants and animals rely on the environment to give them everything they need. Therefore, when habitats change, it can be very dangerous to the plants and animals that live there.