

Gunthorpe Primary School – Knowledge Organiser

Science Focus:

Animals including humans - basic needs

Year 2:

Autumn 2

Key Knowledge

Knowledge	Meaning
Animals including humans have three basic needs.	<p>Animals including humans need:</p> <ul style="list-style-type: none"> • Water • Food • Air <p>These are the basic needs which must be met. If these needs are not met, the animal will not survive.</p>
Basic needs in Space	<p>For humans to travel through space, astronauts have basic needs. Astronauts need oxygen. This is the air that humans need to breathe as there is no air in space. They also need food, water and rest.</p>
Extinct and endangered	<p>Examples of extinct animals are: dinosaurs, dodos and sabre-toothed tigers. These animals are extinct because one or more of its basic needs are missing. The sabre-toothed tiger lived during the ice-age but became extinct due to climate change which caused the ice to melt and temperature to rise. This made it difficult for them to find food to eat.</p> <p>Pandas, tiger and sea turtles are examples of endangered animals. Deforestation is one of the causes of this. This is when humans change part of a forest to use as land by cutting down the trees. When this happens endangered animals lose where they live.</p>

Key Vocabulary

Spelling	Definition
★ air	An invisible gas that humans and animals need to breathe in to survive .
★ dehydrated	Not having drunk enough water to stay healthy.
★ hydrated	Having drunk enough water to stay healthy.
★ need	Something that you must have or do.
★ shelter	A safe place that is shielded from weather conditions. It is not one of our three basic needs but is very important.
★ survive	To be alive.
★ extinct	Animals that no longer exist.
★ endangered	Animals that are likely to become extinct because there are few left.

Diagrams and symbols

To survive, animals including humans need to have these basic needs met:

Water



Food



Air



Prior Knowledge

EYFS	All About Me	We learnt about the importance of eating lots of fruit and vegetables, drinking plenty of water and only having less healthy foods as a treat. Also, we learnt about the importance of exercise to keep our bodies healthy and why we need to regularly wash our hands and brush our teeth twice a day.
Year 2	Healthy Humans	We learnt about the importance of eating a balanced diet through learning about the Eat Well Plate and designing our own healthy meals. We learnt about why we need to brush our teeth twice a day and avoid consuming too much sugar through our chalk experiment. We also conducted an experiment to find out which exercise uses the most energy and why regular exercise is important.