

Year 2 Science – Animals Including Humans

National Curriculum

Pupils should be taught to:

- notice that animals, including humans, have offspring which grow into adults
- find out about and describe the basic needs of animals, including humans, for survival (water, food and air)
- Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.

Vocabulary

- Animals humans
- Offspring adults
- Needs survival
- Exercise nutrition hygiene
- Reproduction
- Pupa
- Spawn
- Compare

Snapshot overview

Basic Needs: water, food, air

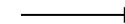
Generate questions:
Picture of adult and baby.
What does this baby need to grow into a human?
Gather ideas and teacher facilitates discussion to decide basic needs for survival.



Offspring and Growth

Read 'Monkey Puzzle' – discuss how some offspring are different to adults.
Class to play game – find your offspring. Put stickers on children's head (possibly on headbands) they have to find their matching offspring/parent by asking yes/no questions. E.g. Do I have a trunk? Do I fly/ swim...

Discuss similarities and differences between offspring and adults. Sort pairs into groups of whether adults and young are the same or different.



Effects of Hydration and Exercise

Go outside. Observe heart and breathing rates, thirst level, sweat before and after exercise.
Children to record (optional) their findings on charts or their own way.
Discuss what your body needs to perform well.
Link to their own lives.

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Diet and hygiene

Read extract of Mr Twit's beard.
Generate questions /answers
about health implications and
discuss.

Look at videos on healthy eating.
Present children with different
characters with different diets and
hygiene. Children discuss and
label characters with comments
on whether these habits are
good or bad, why, and what they
could change/improve.



Basic Needs Board game

In groups, design a
board game that shows
positives of healthy
living, meeting basic
needs of humans and
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Medium Term Planning

Year Group: 2

Term:

Topic: Animal Habitats

	Learning Objective	Input (including key questions and vocabulary)
Session 1	I can find out about and describe the basic needs of animals, including humans, for survival (water, food and air).	<p><u>Basic Needs: water, food, air</u></p> <p>Teacher shows picture of adult and a picture of a baby. What does this baby need to grow into a human? Children discuss together and begin to ask questions and generate ideas. They record their ideas on post-it notes e.g. clothes, a house, milk. Together, look at all post-it ideas. Form a line of ideas from most important for survival to least important (link to needs and wants.) Gather ideas and teacher facilitates discussion to decide basic needs for survival.</p> <p>Repeat this activity with animals e.g. cats, birds, fish.</p>

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Session 2	I understand that animals, including humans, have offspring which grow into adults	<p><u>Offspring and Growth</u></p> <p>Read 'Monkey Puzzle' – discuss how some offspring are different to adults.</p> <p>Class to play game – find your offspring. Put stickers on children's head (possibly on headbands) to include egg chicken, caterpillar butterfly, tadpole frog, baby human, etc. They have to find their matching offspring/parent by asking yes/no questions. E.g. Do I have a trunk, Do I fly/ swim?</p> <p>Discuss similarities and differences between offspring and adults. Sort pairs into groups of whether adults and young are the same or different.</p> <p>Plenary: play online life cycle matching game https://stormedapps.co.uk/lifestages/lifestages.html</p>
Session 3	I can describe the importance for humans of exercise.	<p><u>Effects of Hydration and Exercise</u></p> <p>Go outside. Observe heart and breathing rates, thirst level, sweat before and after exercise.</p> <p>Children to record (optional) their findings on charts or their own way.</p> <p>Discuss what your body needs to perform well. Link to their own lives.</p>

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Session 4	I can describe the importance for humans of eating the right amounts of different types of food, and hygiene.	<p><u>Diet and Hygiene</u></p> <p>Read extract of Mr Twit's beard. https://www.roalddahl.com/roald-dahl/characters/grown-ups/mr-twit</p> <p>Generate questions /answers about health implications from Mr Twit's health and hygiene choices and discuss.</p> <p>Look at videos on healthy eating. https://www.bbc.com/bitesize/topics/zv4cwmn/resources/1</p> <p>Present children with different characters with different diets and hygiene. Children discuss and label characters with comments on whether these habits and good or bad, why, and what they could change/improve.</p> <p>Plenary – children feedback their findings and justify their reasons.</p>
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Session 5	I can show my understanding of the basic needs of animals and the importance of a healthy lifestyle for humans.	<p><u>Basic Needs Board Game</u></p> <p>In groups, design a board game that shows positives of healthy living, meeting basic needs of humans and animals. This has to show understanding of all the knowledge gathered in this topic.</p> <p>Teacher models how to do the following: Children are given a blank board game template and blank cards. They can add their own questions, penalties, images, rules, final goal etc. For example a set of penalty cards that might say “You ate 3 doughnuts, go back a space”, a reward card that says “you walked to school”. Or they could collect a series of healthy points. Children should be shown the importance of balance e.g. it’s ok to have sweets but not too many.</p> <p>Emphasis is not on a complex set of rules but showing understanding of healthy living and basic needs.</p>
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Session 6	I can show my understanding of the basic needs of animals and the importance of a healthy lifestyle for humans.	Continue with making their games and then play them. What happened if they had too many penalty cards – they went back to the beginning – how does this relate to real life?
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All children will:

- Understand that all animals have offspring that grow into adults
- Be able to match some adults and offspring
- Identify and discuss the basic needs for survival
- Identify and discuss the importance of exercise, healthy eating and hygiene
- Apply knowledge to their own lives and say why something is a good or bad choice