



Hallcroft Infant & Nursery School

Science Lesson Sequence



Spring 1 - Year 2

Animals

What we already know, remember and can do:

- Name and describe the physical features of a range of animals.
- Sort animals into groups based on their similarities and differences.
- Identify characteristics specific to mammals, birds, reptiles, amphibians and fish.
- Recall the diets of carnivores, herbivores and omnivores.

Working Scientifically

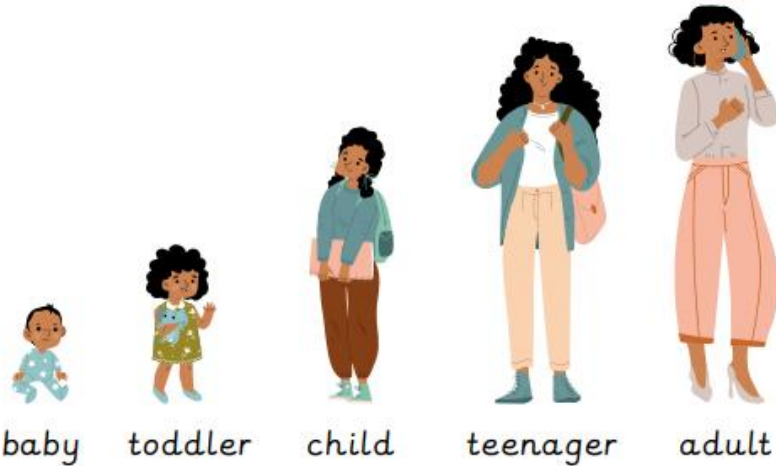
- Sort objects based on the materials they are made from.
- Group objects based on their properties.
- Suggest ways to test materials for their properties.
- Make predictions and recognise whether they were accurate.
- Use their observations to answer questions.
- Begin to recognise if a test is fair.

	Learning Objective	What will be known and remembered (Substantive)	What will be... (Disciplinary)	Revisited Vocabulary	New Vocabulary
1	Learning Objective To identify different stages of the human life cycle	✓I can identify animal offspring ✓I can describe how humans change	✓I can order the human life cycle	Adult Baby Child	Growth Offspring Stage Teenager Toddler
2	Learning Objective To know which offspring come from which parent animal	✓I can identify stages of animal life cycles	✓I can match the stages of animal life cycles with the correct animal ✓I can order the stages of an animal's life cycle	Butterfly Caterpillar Egg Frog Lamb Life Cycle Sheep	Froglet Live Young Pupa Spawn Tadpole
3	Learning Objective Knowledge – To observe and measure growth in humans Working scientifically – To use simple measuring equipment	Knowledge ✓I can explain how humans change	Knowledge ✓I can apply my understanding of the human life cycle Working scientifically ✓I can read a scale in centimetres ✓I can find the start of a scale ✓I can read my measurements		Growth Height Measure
4	Learning Objective Knowledge – To identify and list the basic needs for survival for humans and animals Working scientifically – To use secondary sources to research	Knowledge ✓I can explain the three things animals need to survive. ✓I can explain how a particular species survives.	Working scientifically ✓I can find the information I need from a source. ✓I can present research as a poster.	Air Food Water	Basic Needs Essential Survive

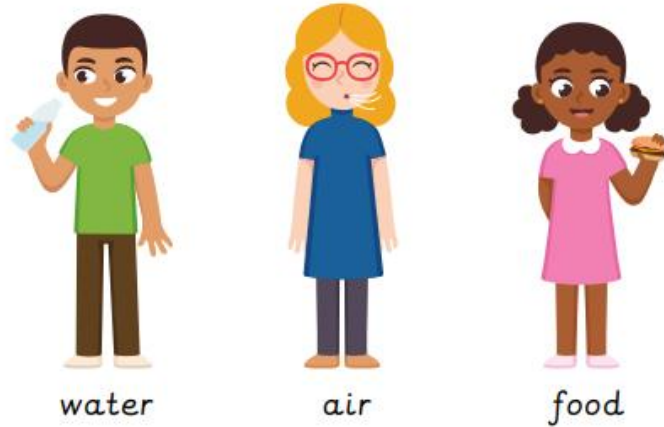
5	Learning Objective Knowledge – To recognise the importance of exercise and personal hygiene Working scientifically – To make observations over time	Knowledge ✓I can describe how germs spread. ✓I can explain why washing hands or changing clothes is important.	Working scientifically ✓I can use a results table. ✓I can record results each day.		Exercise Fitness Germs Health Hygiene
6	Learning Objective Knowledge – To identify how to have a balanced diet Science in Action – To interpret collected results	Knowledge ✓I can name foods in each group. ✓I can create a balanced shopping bag.	Working scientifically ✓I can recognise a pattern in data. ✓I can decide whether my data answers the question.	Fruit Vegetables	Carbohydrates Dairy Oils Proteins Spreads

Outcome

Human life cycle



Basic needs for survival



Personal hygiene



health	How the body feels.
hygiene	Keeping things clean.
life cycle	The stages an animal goes through to become an adult.
offspring	Young animals or plants produced by parents.
survive	To continue to live.