



Science Progression of Skills

Year 2



Year 2 National Curriculum Objectives for Science: Children will be taught to:

Year 2 Working Scientifically

Pupils will be taught to use the following practical scientific methods, processes and skills:

- Asking simple questions and recognising that they can be answered in different ways
- Observing closely, using simple equipment and measurement
- Performing simple tests
- Identifying and classifying
- Using their observations and ideas to suggest answers to questions
- Gathering, recording and communicating data and findings to help in answering questions
- Use scientific language and read and spell age-appropriate scientific vocabulary
- Begin to notice patterns and relationships

Programmes of Study

Plants

- Observe and describe how a poppy seed grows (**Heroes and Villains**)
- Observe and describe how a bean plant grows (**Once upon a time**)
- Observe and describe how an onion bulb grows (**Once upon a time**)
- Find out and describe how poppy and bean plants need water, light and a suitable temperature to grow and stay healthy (**Heroes and Villains, Once upon a time**)

Animals including humans

- Find out about and describe the basic needs of animals e.g. rats and their offspring (**Heroes and Villains**)
- Notice that animals e.g. rats have offspring which grow into adults (**Heroes and Villains**)
- Describe the importance for Jack of exercise, food and hygiene (**Once upon a time**)

Living things and their habitats (Hot and Cold)

- Explore and compare the differences between things that are living, dead and things that have never been alive
- Identify that most living things live in habitats (e.g. polar regions and Africa) to which they are suited and describe how habitats provide for the needs of different animals and plants
- Identify and name a variety of plants and animals in their habitats (e.g. polar regions and Africa) including microhabitats

	<ul style="list-style-type: none">• Describe how animals in the polar regions and Africa obtain their foods from plants and animals using the idea of a simple food chain and identify and name different sources of food <p><u>Everyday Materials (Once upon a time)</u></p> <ul style="list-style-type: none">• Identify and compare the suitability of materials for particular uses, including those materials used to build houses in the story• Find out the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching
Notes	
<u>Children Working Below</u>	<u>Children who are working above objectives listed above</u>