

Working scientifically.

Across all year groups scientific knowledge and skills should be learned by working scientifically.

These are across the whole of KS2 – so now the children are in Upper KS2 they will be more confident in these.

- Ask relevant questions.
- Set up simple, practical enquiries and comparative and fair tests.
- Make accurate measurements using standard units, using a range of equipment, e.g. thermometers and data loggers.
- Gather, record, classify and present data in a variety of ways to help in answering questions.
- Record findings using simple scientific language, drawings, labelled diagrams, bar charts and tables.
- Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.
- Use results to draw simple conclusions and suggest improvements, new questions and predictions for setting up further tests.
- Identify differences, similarities or changes related to simple, scientific ideas and processes.
- Use straightforward, scientific evidence to answer questions or to support their findings.

Biology

Year 5

Animals and humans

- Look at the life cycle of animals and plants.
- Look at reproduction in plants and animals, and human growth and changes.

Chemistry

Year 5

Materials

- Examine the properties of materials using various tests.
- Look at solubility and recovering dissolved substances.

Physics

Year 5

Forces and magnets

- Look at the effect of gravity and drag forces.

Earth and space

- Look at the movement of the Earth and the Moon.
- Explain day and night.

	<ul style="list-style-type: none">- Separate mixtures.- Examine changes to materials that create new materials that are usually not reversible.	
--	--	--