



Year 5 Science Key Objectives Taken from the National Curriculum

1	Planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary
2	Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, and bar and line graphs
3	Reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of results, in oral and written forms such as displays and other presentations
4	Describe the life process of reproduction in some plants and animals.
5	Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating
6	Explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda.
7	Describe the movement of the Earth, and other planets, relative to the Sun in the solar system
8	Use the idea of the Earth's rotation to explain day and night, and the apparent movement of the sun across the sky.
9	Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object
10	Identify the effects of air resistance, water resistance and friction, that act between moving surfaces

Year 5 Science Key Objectives Summarised form

1	Plan scientific investigations, including controlling variables where appropriate
2	Record data using diagrams, keys, tables and a range of graphs
3	Report conclusions and explanations from scientific investigations
4	Describe the life process of reproduction in some plants and animals.
5	Explain how mixtures can be separated through filtering, sieving and evaporating
6	Explain that some irreversible changes form new materials
7	Describe the movement of the Earth, and other planets, relative to the Sun
8	Explain day and night on earth, and the apparent movement of the Sun
9	Explain that gravity causes unsupported objects to fall towards the Earth
10	Identify the effects of air resistance, water resistance and friction between moving surfaces