



# Science in Y5/6

**Science is the study of the natural and man-made world through questioning, observation and experimentation.**

## Biology

Biology is the study of living things (organisms), their structure and environments. You will study animals, including humans, plants, living things and their habitats, evolution and inheritance.

Physics is the study of matter, forces and motion, sound, light and waves, electricity and magnetism and Earth and space.

## Physics

## Chemistry

Chemistry is the study of matter, analysing its structure, properties and behaviour to see what happens when they change in chemical reactions. It is the study of everyday materials, uses of everyday materials, rocks, states of matter, properties and changes of materials.

## Working Scientifically

**Planning** different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary

**Taking measurements** using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate

**Recording data** and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs

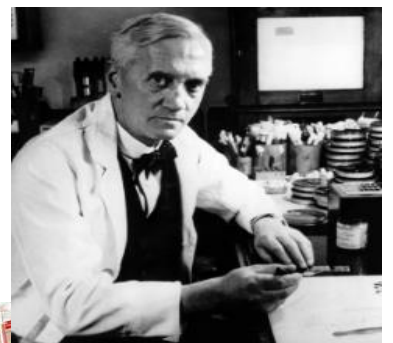
Use test results to make **predictions** to set up further comparative and fair tests

**Reporting and presenting findings** from enquiries, including conclusions, causal relationships and explanations of and a degree of trust in results, in oral and written forms such as displays and other presentations

**Identifying scientific evidence** that has been used to support or refute ideas or arguments

## What is a scientist?

A scientist is someone who studies a specific area of science, such as biology, chemistry, or physics, and uses research and evidence to gain knowledge and understanding. A scientist tries to understand how our world, or other things, work. Scientists make observations, ask questions and do extensive research work in finding the answers to many questions others may not know about.



Alexander Fleming ((1881-1955) was a Scottish physician-scientist who was recognised for discovering penicillin.