



Micro-Organisms Year 6

Learning outcomes with context

- To describe how living things can be classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants and animals
- To give reasons for classifying plants and animals based on specific characteristics
- To know that broad groupings can be subdivided
- To classify animals into commonly found invertebrates and vertebrates
- To know that some micro-organisms can be harmful and may cause illness or disease
- To understand that micro-organisms feed and grow
- To understand that some micro-organisms bring about decay and this can sometimes be helpful

Learning outcomes without context

- To plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary
- To record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs
- To report and present findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations
- To explore and talk about their ideas; asking their own questions about scientific phenomena; and analysing functions, relationships and interactions more systematically
- To recognise that scientific ideas change and develop over time
- To draw conclusions based on their data and observations, use evidence to justify their ideas, and use their scientific knowledge and understanding to explain their findings
- To read, spell and pronounce scientific vocabulary correctly

Key vocabulary children should know by the end of the topic

Micro-organism	Very tiny living things that we need a microscope to see.
Fungi	A simple organism that is neither plant nor animal, which reproduce by releasing spores.
Bacteria	Single celled micro-organisms that reproduce by splitting into two.
Virus	Small micro-organisms that infect animals and plants and makes them sick.
Vaccination	A way to protect people from diseases by injecting them with a weakened version of it.
Hygiene	Keeping our bodies clean and healthy.
Infection	The act of passing on illness to someone/ something else.
Mould	A type of fungus that grows from spores.

