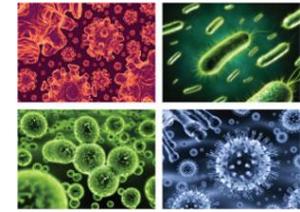




What is classification?



1. Can you classify a group of animals and plants based on similarities and differences?
2. Can you classify animals into vertebrates and invertebrates?
3. What are micro-organisms and how would you classify them?
4. Can you use a classification key?
5. Can you classify an unfamiliar animal or plant from a different habitat?
6. Can you explain the life cycle of a plant?

We learn the following Science knowledge and skills...

- describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants and animals
- give reasons for classifying plants and animals based on specific characteristics.
- classify animals into commonly found invertebrates and vertebrates
- research unfamiliar animals and plants from a broad range of other habitats and decide where they belong in a classification system
- take measurements using a range of scientific equipment
- record more complex data and results using scientific diagrams, classification keys, labels, scatter graphs, tables, bar and line graphs

We learn the following technology knowledge and skills...

- *Take a plant or animal that you know and one that you don't know and create an IT presentation

Hook for Learning:

- * clips from Planet Earth to investigate unfamiliar animals in different habits
- *Maths - Can you investigate the maths in the spiral of a snail's shell? Can you plot the decline of an endangered species over time?

As Thinkers can we...?

- * Understand that questions can have more than one answer and that some cannot be answered.
- *Give more than one reason to support an argument.
- * Weigh the strength of different reasons to support an argument

As Talkers can we...?

- * talk with knowledge about birth, reproduction and death of familiar animals or plants
- *discuss how plants and animals are classified and explain our decisions

We learn the following vocabulary:

- | | | |
|------------------|----------------|-------------|
| *environment | *classify | *animals |
| *plants | *attributes | *endangered |
| *micro-organism | *bacteria | *fungi |
| *similarities | *differences | *humans |
| *amphibians | *reptiles | *insects |
| *characteristics | *birds | *life cycle |
| *habitats | *perish | *evolve |
| *vertebrates | *invertebrates | *monera |
| *algae | *protista | *species |

We learn the following art knowledge and skills...

* By observing artists' work can you capture images of a chosen animal?

- *Do their sketch books contain detailed notes, and quotes explaining about items?
- *follow step-by-step instructions to draw different animals

We learn the following English knowledge and skills...

- * Write a report about an endangered animal using research notes