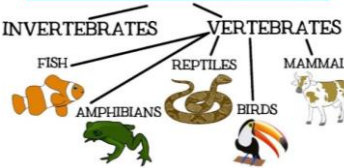


# Salesbury Super 6 Knowledge Organiser for Mercury Class (Y4/5)

## Learning Focus: **Science** All Things Bright and Beautiful **Summer 2 2024**



### ANIMAL CLASSIFICATION



Amanda Cobbett



### Key Knowledge to Learn

- 1 Sorting into groups is known as '**classifying**'. Animals can be either vertebrates or invertebrates. **Vertebrates** are animals with a backbone; **invertebrates** have no backbone.
- 2 **Carl Linnaeus** developed the classification system used to identify animals. He studied thousands of living organisms, before creating his structure for classification. The system works by splitting animals into smaller and smaller groups, based on a number of characteristics. In the end, animals share many similar characteristics, but are few in number.
- 3 Animals are separated into eight different groups, based on their characteristics: **Vertebrates**: mammals, fish, birds, reptiles, amphibians. **Invertebrates**: insects, arachnids, molluscs.
- 4 Textile Artist **Amanda Cobbett** shares her life in fabric and threads. She creates realistic 3-dimensional, papier-mâché and machine-embroidered sculptures of fungi and lichen and other hidden treasures of the woodland floor. From her studio in the Surrey Hills, Amanda is surrounded by inspiration for her work. Her pieces are so realistic that viewers of her art assume that they are real!

### Vocabulary

<b>vertebrate</b>	An animal with a backbone. <b>Vertebrates</b> include mammals, birds, reptiles, amphibians and fish.
<b>invertebrate</b>	An animal without a <b>backbone</b> . Invertebrates make up 95 per cent of animal species.
<b>classification</b>	Classification is the process of organising items into groups that share similar characteristics and features with each other. In science, this is known as <b>taxonomy</b> .
<b>taxonomy</b>	Taxonomy is the science of classifying living and extinct organisms into <b>groups</b> , which share similar qualities.
<b>textiles</b>	<b>Textiles</b> include various fibre-based materials, including fibres, yarns, filaments, threads and different fabric types.
<b>embroidery</b>	<b>Embroidery</b> is the art or process of forming <b>decorative designs</b> with needlework or other methods.

### You can find out more by accessing these links:

<https://youtu.be/mRidGna-V4E> Find out more about **vertebrates** and **invertebrates**.  
[Who was Linnaeus? | The Linnean Society](#) Learn more about **Carl Linnaeus**, who he was and what he is famous for.  
[What is classification? - BBC Bitesize](#) Learn more about the animal **classification** system.

[Different types of animals - BBC Bitesize](#) Top up your knowledge on the animal groups as part of **taxonomy**.  
[Amanda Cobbett Embroidered Nature, Guildford, Surrey UK, Artist](#) Look at some super **fabric textiles** based on the theme of '**nature**.'