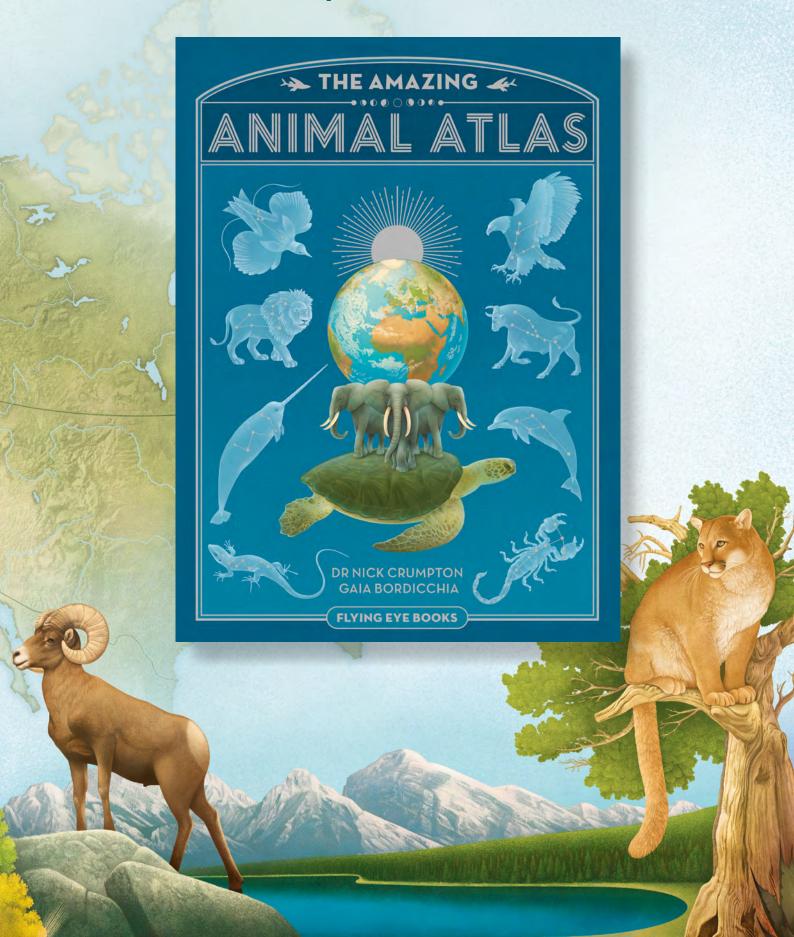


THE AMAZING ANIMAL ATLAS Dr. Nick Crumpton and Gaia Bordicchia



TEACHERS' NOTES:

IDEAS FOR LEARNING ABOUT CLASSIFICATION:

Y4: LIVING THINGS AND THEIR HABITATS

Pupils should be taught to:

- Recognise that living things can be grouped in a variety of ways.
- Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment.

Pupils might work scientifically by:

- Using and making simple guides or keys to explore and identify local plants and animals.
- Making a guide to local living things.

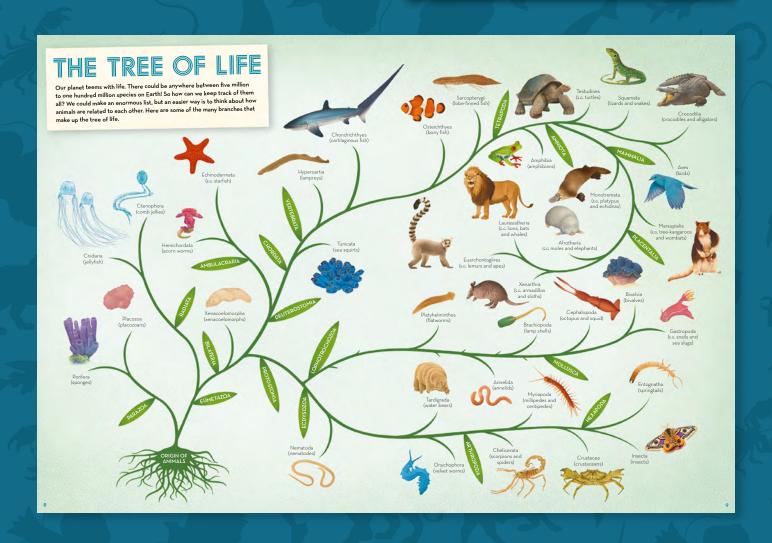
Y6: LIVING THINGS AND THEIR HABITATS

Pupils should be taught to:

- Describe how living things (including micro-organisms, plants and animals) are classified into broad groups according to common observable characteristics and based on similarities and differences.
- Give reasons for classifying plants and animals based on specific characteristics.

Pupils might work scientifically by:

- Using classification systems and keys to identify some animals and plants in the immediate environment.
- Researching unfamiliar animals and plants from a broad range of other habitats and deciding where they belong in the classification system.



IDEAS FOR LEARNING ABOUT CLASSIFICATION, PAGES 8-9:

These pages make an excellent starting point for looking at classification systems. Having discussed the reasons for needing a classification system, children could research some of the creatures identified on the tree in the book and then place creatures of their own choosing into different categories. They could make simple guides or keys to explore animals in their locality, those seen on a school trip/visit or those which live in a country or region being studied. A class display could be made as a result of the children's findings, and they could present their findings to an audience.

Spoken language Y1-6: participate in discussions, presentations... and other points.





LEARNING ABOUT HABITATS:

IDEAS FOR NON-FICTION WRITING STYLES, USING PAGES 12-41:

Non-chronological reports:

• Select an animal to research in more detail and present findings as a non-chronological report.

Journalistic writing:

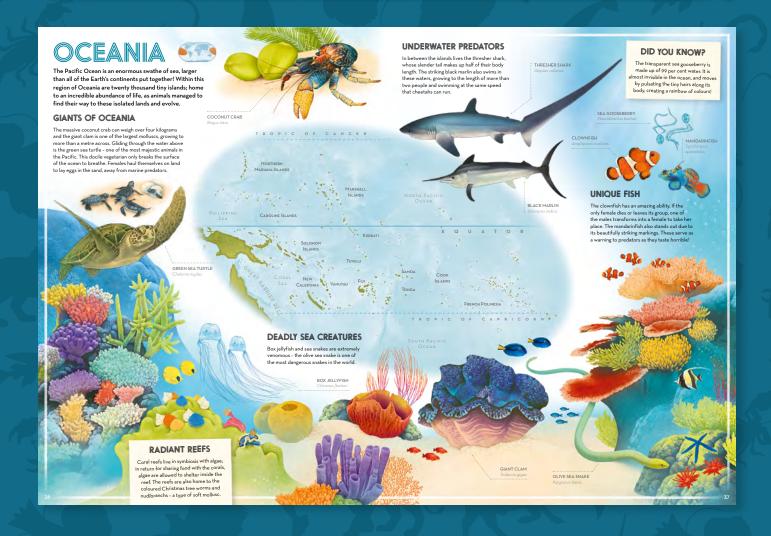
• Write a newspaper/magazine article about why a creature is endangered or the dangers to a particular habitat.

Explanation:

• Use the book to choose an animal whose life-cycle can be researched and explained.

This could be presented as:

- A series of models/diagrams with explanation labels.
- A written piece. Students can work scientifically by observing and comparing the life cycles of plants and animals in their local environment with those of others around the world. They can ask pertinent questions and suggest reasons for similarities and differences.



Y5: LIVING THINGS AND THEIR HABITATS

- Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird.
- Describe the life process of reproduction in some plants and animals.

NS guidance: They should also appreciate that variation in offspring over time can make animals more or less able to survive in particular environments (for example, by exploring how giraffes' necks got longer, or the development of insulating fur on the arctic fox).

Y6: EVOLUTION AND INHERITANCE

- Recognise that living things produce offspring of the same kind, and that normally offspring vary and are not identical to their parents.
- Explain how some creatures have adapted to their environments, recognising that living things have changed over time.



Persuasive Writing:

- Design a leaflet to persuade people to protect one of the endangered species mentioned in the book.
- Persuade someone to visit a location and see the wildlife.

Discussion:

- Does tourism support or destroy conservation attempts?
- Should all species be protected whatever the cost?

MORE TO INVESTIGATE:

- Investigate some of the explorers or scientists who 'discovered' these animals.
- Using different spoons, chopsticks, tweezers etc. as beaks, investigate how birds have adapted to feed in their habitat (see the notes on Darwin's finches).
- Compare two animals and identify the similarities and differences between them and how they survive in their environment (for example, in the Arctic).
- Investigate camouflage in different animals from different environments.





