What should I already know?

* Life cycles of mammals, amphibians, birds and insects
* How living things are grouped and classified
* How changes in the environment can pose dangers for living organisms
* Describe how fossils are formed

Key Vocabulary and Definitions:

|  |  |
| --- | --- |
| Adaptation | Physical features a living thing has that enable it to live in its environment |
| Characteristics | The physical features of a living creature |
| Charles Darwin | A famous scientist who came up with the theory of evolution |
| Chromosome | Contain strings of genes  |
| Inheritance | Features/characteristics a living thing inherits from its parents |
| Environment | The physical surroundings that surround a living thing. |
| Evolution | Describes how living things survive because they are adapted to their environment |
| Fossil | The impression left behind in a rock by an animal or plant |
| Gene | Contain characteristics which are passed on from parent to offspring  |
| Variation | Physical differences between living things of the same species. |

Scientific Skills:

* Describe evidence for a scientific area
* Select and use information effectively
* explain how the interpretation leads to new ideas

Teaching Sequence

1. To explain the scientific concept of inheritance
2. To demonstrate understanding of the scientific meaning of adaptation
3. To identify the key ideas of the theory of evolution
4. To identify evidence for evolution from fossil records.
5. To understand how human beings have evolved
6. To explain how adaptations can result in both advantages and disadvantages
7. To explain how human intervention affects evolution

Blooms Taxonomy – Specific Verbs to Use in Lesson Aims

Knowledge: Describe, find, identify, list, locate, name, recognise, retrieve Comprehension: Classify, compare, explain, infer, interpret, paraphrase, summarise Application: Carry out, implement, use Analysis: Deconstruct, Organise, outline, structure Synthesis: Construct, design, devise, invent, make, plan, produce, Evaluation: Appraise, assess, choose,

Key Knowledge



