

Evolution and Inheritance

Evolution

Prior Knowledge

In Year 3, you looked at evidence that fossils show how life forms have changed over time.

In Year 6, our last Science teaching sequence involved how animals have adapted to their environments over time.



Key Vocabulary

Tier 1: offspring, vary, suited,

Tier 2: characteristics, sexual reproduction, inheritance, adaption, environmental changes

Tier 3: genotype, phenotype, chromosomes, DNA, genetics

My Component Knowledge:

Lesson 1: How are plants adapted to their environments?

Lesson 2: What would happen if certain animals did not have adaptations?

Lesson 3: What is evolution by natural selection?

Lesson 4: What traits are inheritable?

Lesson 5: How do fossils help us understand evolution?

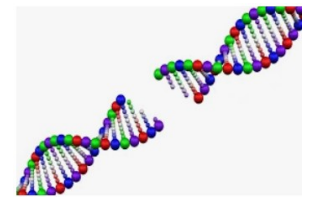
Lesson 6: How can we prove animals and plants have adapted to their environments?

My Composite Knowledge:

I can recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents.

My Powerful Knowledge:

To recognise that living things have changed over time and that fossils provide information about living things that inhabited the earth millions of years ago.



Fawns have spotted coats. This adaptation is well suited to which habitat?

Many woodland birds have adapted to have short wings.

What advantage does this give them?

Zebras live in large herds in grassy habitats. How does their striped coat help them survive in their habitat?

What adaptation do sharks and penguins share?