



Have we always looked like this?



1. How have living things evolved over time?
2. What do fossils tell us about 'how things have changed'?
3. Who were Charles Darwin and Mary Anning?
4. Why do you not usually look exactly like your mum or dad?
5. Can you find out how animals have adapted to suit their environment or food source?
6. Can you create a food web and explain the impact of an environmental change on this?

We learn the following Science knowledge and skills...

- recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago
- recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents
- identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution
- characteristics are passed from parents to offspring for instance by considering different breeds of dog
- variation over time can make animals more or less able to survive in particular environments
- find out about the work of palaeontologists such as Mary Anning and how Charles Darwin and Alfred Wallace developed their ideas on evolution

Hook for Learning:

Maths - Can you use addition and subtraction to investigate the differences between large populations of animals?
Play-doh fossils
David Attenbrough documentaries

As Thinkers can we...?

- * Understand that questions can have more than one answer and that some cannot be answered
- * Identify strengths and weaknesses in their work, and give reasons
- * cope with criticism and learn from it

As Talkers can we...?

- * Talk about the life of Charles Darwin
- * explain key terminology used in scientific explanations

We learn the following vocabulary:

- * evolution * offspring * population
- * environment * food web * DNA
- * adaptation * lifestyle * primates
- * fossils * appearance * inhabit
- * chromosomes * variation * inheritance
- * characteristics * species * genes
- * palaeontologist * selection * generation

RE Links (God and the Big Bang):

- * Evolve or Perish game

Bigger Question: How do ideas about evolution and adaptation fit with the idea of God creating everything? What might we learn about God by looking at evolution?

We learn the following English knowledge and skills...

- * biography about the life of Charles Darwin