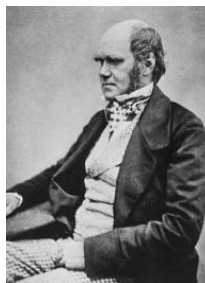




Launch

To launch our topic, we will become archaeologists by going on a fossil hunt at Lulworth Cove. We will learn about how fossils are created before searching for our own.



Why have we evolved?

Key dates



Trip to Lulworth Cove
Wednesday 21st February - 6EG and 6MS
Thursday 22nd February - 6SK and 6EH

6th March - Books at Bedtime
11th and 13th March - Parent consultations
28th March - Inset day

Topic Overview

Our topic this half term will be focused on exploring evolution and inheritance. As Scientists, we will learn how fossils provide information about the past and teach us what Earth was like millions of years ago. This will lead us on to thinking why certain animals have adapted and how their changing environment led to evolution within their species. As well as this, we will explore how our own skeleton has changed since we separated from other primates and consider why this may have occurred. Whilst developing our scientific understanding of adaptation and evolution, we will study key individuals, who were pioneers in the sciences. We will think about how certain individuals made an impact on past society and why social and cultural diversity may have shaped this. Whilst learning about one of our key scientists, Charles Darwin, we will look at the locations he travelled to and how his various theories are still widely shared and studied today.

Key Vocabulary

Evolution	Offspring
Inheritance	Fossil
Adaptation	Formation
Galapagos	Selection

Learning Conversations

Who was Charles Darwin?

How are you similar to your parents or grandparents?

What might humans be like in a thousand years?

How would you feel if you discovered a new species?

Drivers



Enquiry: We will be using our enquiry sk to question the theories of Darwin. Was he right? Do we exist due to a sequence of evolutionary events? Will the human race continue to evolve?

Aspiration: We will be learning about the careers of both past and modern day biologists. By exploring their ambitions and contributions to society, we will consider how this has helped our understanding over time. We will speak to a range of different people who have jobs in the area such as palaeontologists, archaeologists and biologists.

Topic Challenge

Your topic challenge is to design a new species. Think about how it has adapted to live in a certain biome and how it has evolved to suit this.

Due: 22nd March 2024

Did you know?

Every living entity has evolved from a bacterium, which lived billions of years ago.

It is said that biological evolution started around 3.7 billion years ago!

Dinosaurs were not the first reptile to evolve. Dinosaurs came to earth 220 million years ago; whereas the first reptile crawled on land 340 million years ago.

Landing

To support our evolution topic, Dr Fiona Coward, from Bournemouth University will be coming into school with students to deliver a presentation about adaptation leading to evolution - with a particular focus on how humans have evolved. She is going to bring materials from the university to make it more 'real' for the children and give them a hands-on task to do in small groups after the talk.

