



Driving Question:

How can we, as scientists, prove Darwin's theory of evolution?

Launch:

We will be taking part in an interactive workshop called 'Fantastic Jurassic' at Bournemouth University. We will be hands on with fossils that are millions of years old and create our own class rock face complete with fossilised creatures.

Overview:

In our Spring 1 topic, we will be taking on the role of scientists, learning about the theory of evolution and adaptation. We will be working together and using our teamwork skills to see if we can prove Darwin's theory and investigate what discoveries he made.



Science

We will be investigating the science behind the theory of evolution and inheritance.

Geography

Exploring earthquakes, how they occur and the impact they can have on humans.

English

Creating a newspaper report to inform people of our scientific findings.

PSHE

Discussing the British Value of Tolerance and focussing on a variation of beliefs.

Vocabulary:

characteristics
inheritance
adaptation
evolution
natural selection
fossil
adaptive traits
inherited traits
extinction
archaeologist
palaeontology

Learning conversations to have at home:

Discuss with your child traits they have inherited from their family?

Inheritance is a way that parents pass traits onto their offspring. It happens in plants, animals and humans! Eye, hair colour and even the shape of someone's face can be traits that are inherited from someone in their family.

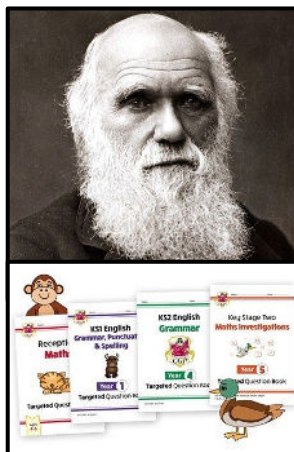
Can you think of any animals that have adapted to suit to their environment?

Elephants are believed to be one of the most adaptable animals in the world! In the Ice Age, it was likely that elephants had very thick hair like mammoths but as temperatures grew higher they no longer needed it and instead grew longer ears to help fan themselves.

Home learning:

This term we will be adapting homework. Each week, we will complete:

- English CGP book activity
- Reading CGP book activity
- Maths CGP book activity



Future Careers:

Throughout our topic, we will look at a range of careers including archaeologists, palaeontologists, biologists as well as philosophers and how they have helped us explore and understand science.

Landing:

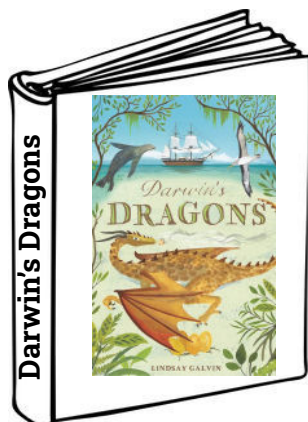
We will present our findings of the theory of evolution to all us to describe and explain a new discovery.

Reading:

We will be studying the book "Darwin's Dragons" by Lindsay Galvin. This adventurous book is all about a cabin boy called Syms Covington who is on the voyage of a lifetime to the Galapagos Islands!

What can you infer from the front cover about this book?

What genre of book will this be? How do you know?



What books do you think are similar to this?

Read the blurb. Are your assumptions correct?

English

- ★ Change in formality and tone
- ★ Narrative writing
- ★ Writing to inform

How can you help at home?

- Discuss why we may need to alter the tone of our writing and how we may do this.
- Can you remember the [rules for punctuating speech](#)?

Maths

- ★ We will be comparing and solving word problems using fractions, decimals and percentages.

How can you help at home?

- White Rose Maths have a plethora of resources available for you to help:
 - [Schemes of learning](#)
 - [Free downloadable workbooks](#)
 - [Video guides](#)

Computing

We will use the Creator Space to create a news report about our evolutionary findings.

Geography

We will be exploring [the causes of earthquakes and what can be done to lessen their impact](#).

STEM

We will be analysing the scientific findings of our own, and others, to explain the theory of evolution.

PSHE

We will be learning about dreams and goals and how we can achieve them.

Art

We will be creating detailed sketches, similar to [Charles Darwin's Finches](#), to illustrate the new creatures that we have designed.

Science

We will be investigating the science behind the [theory of evolution](#) and inheritance as well as living things and their habitats.

Spanish

We will be developing our conversational skills, classroom commands and knowledge of seasons.

Physical Education

We will continue our health and fitness unit as well as starting net and ball games.

Music

We will be comparing two different styles / genres of music for the same song: 'A new year carol'.

Religious Education

We will be discussing the key question 'Is anything ever eternal?'

Dates for the diary

- Homework set and due every Friday.
- Homework club for Year 6 every Tuesday after school until 4pm.

