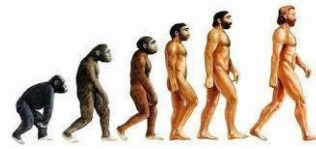


Title: Evolution and Inheritance

5 weeks



YEAR: 6
TERM: Summer 2

Rationale: Did humans evolve from chimps? Was Darwin the first scientist to suggest that life forms evolved over time? Do organisms evolve to help them survive better? Did God create all the creatures on Earth? Since the world began, there have been many ideas about how the world has become to be what it is. By examining scientific evidence and through a wide variety of resources and activities, the children will be encouraged to think like scientists as they are exposed to many of these theories. They will respectfully challenge ideas and be able to make rational and justified decisions about how life on Earth has evolved in their view. Not only this, but the children will be deciding on the best way to present their findings and educate others in evolution and inheritance, in light of the fact that many misconceptions exist due to the complex nature of the evolution of life.

Lead Subject: Science

Our project will begin with the fascinating story of Mary Anning and her fossil discoveries which provide evidence that living things have changed and evolved over time. We will explore how evolution theories have developed and examine Darwin's theory of evolution. The children will evaluate the scientific evidence for how evolution has occurred by investigating inheritance, variation and natural selection. Identifying how animals and plants are adapted to suit their environment will enable children to recognise how adaptation may lead to evolution and the creation of new species.



Lead Subject: English

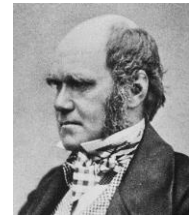
Through film, research and debate we will collect and present information in the form of an explanatory text, about Mary Anning as a scientist. The children will consider the formality of their tone and make vocabulary choices that suit this type of writing.

This will also link to the information page they are going to write about How to Survive Year 6 which they will pass on to the Year 5 with their most poignant advice.

They will also delve into the natural world by exploring outside and then writing their own poetry and creating a booklet mimicking 'Where My Wellies Take Me.'

Lead Subject: History

When Anning and Darwin were alive, ideas that challenged the teachings of the church were considered blasphemous and controversial. It took the work of many scientists to prove the theory of evolution. People's perceptions regarding this significant part of British social history, took many generations to change. We will explore how these changes happened and the impact it had on British society.



Applied Subject: PDL

Mary Anning was treated unfairly due to her gender and despite incredible discoveries, was not taken seriously by the scientific world. We will consider the fairness needed in a modern world and link this to our Sex and Relationships Education (SRE) work later in the term which is what shall fill the final weeks of term after this project has finished.

Applied Subject: Computing

As well as using ICT skills to research effectively, the children will select and use a range of appropriate software to present their information on evolution to an audience.

Outcome:

The children will be educating others about how evolution and inheritance helps animals to evolve and adapt to its specific environment. The children will produce a fact file to take home and share. This will contain an abundance of scientific evidence of adaptations for their chosen animal.

School Values: Growth

Pupils will consider the value of growth in respect of people's ideas about evolution changing and growing over time in light of new evidence. We will also consider how important it is that we are prepared to change our own thinking based on new information presented to us. Flexible thinking and a willingness to listen to other people's points of view and change our minds is a positive human trait.

Maths

In Maths, the children will be using their knowledge to challenge their thinking with a variety of real-life problem solving questions and continue to develop their understanding in reasoning.

PE: Cricket/lacrosse

RE: Images of Jesus (imagery)

PDL: SRE

French: Moi Dans Le Monde

Music: Texture & dynamics