

Spring | Science: Evolution

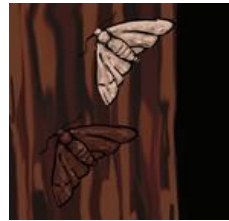
What are we learning about?

In Science this half-term, we will learn that living things have changed over time. We will investigate how fossils provide information about living things that inhabited the Earth millions of years ago and recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents. We will then identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.

What can I research at home?



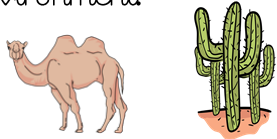
What can you find out about the Galapagos Islands?



What is Natural Selection?

Sticky Knowledge

Adaption is when a plant or animal has changed in some way over a long period of time to be better suited to its environment.



Inheritance is when parents pass on their physical traits to their offspring. We have traits we can inherit and traits we cannot.

Traits you can inherit

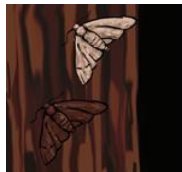
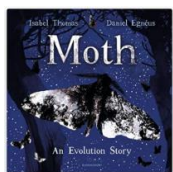
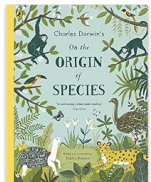
eye/hair/skin colour,
shape of nose,
size of feet,
height

Traits you can't inherit

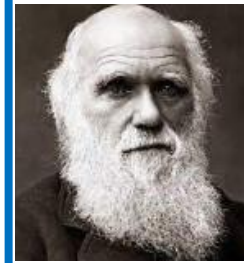
a good singing voice,
ability to play football,
drawing skills

Natural Selection is when living organisms are best suited to their environment survive and pass on their genetic traits. The fittest, most adapted survive and multiply whilst the least adapted die out.

Texts we are reading for pleasure and knowledge:



Significant People/ Places



Charles Darwin was an English Naturalist born on February 12, 1809 in Shrewsbury, England. He is best known for developing a theory of evolution to explain biological change. He went on to study how animals adapt and survive on the Galapagos Islands, and wrote many books about his voyages.

Key Vocabulary

Adaptation	When a plant or animal has changed in some way, usually over a long period of time, to be better suited to the environment in which they live.
Characteristics	a feature or quality belonging typically to a person, place, or thing and serving to identify them
Evolution	the process by which different kinds of living organisms are believed to have developed from earlier forms during the history of the Earth.
Genetics	Inherited characteristics
DNA	carries specific genetics information inside every living thing
Natural Selection	When the fittest, most adapted organisms survive and multiply whilst the least adapted die out.
Inheritance	the reception of genetic qualities by transmission from parent to offspring.
Trait	a group of similar organisms that are able to reproduce.
Environment	the surrounding in which a person, animal or plant lives.