

Evolution and Darwin

Children will be learning all about evolution and inheritance this term. Evolution explains how the living things on our planet today have slowly developed from simpler life forms that lived millions of years ago. The first person who explained how evolution happens was Charles Darwin with his scientific theory of evolution.

Inheritance: When living things reproduce they pass on characteristics to their offspring. This is known as inheritance.

Significant Individual

Charles Darwin



He is known for his theory of evolution by natural selection. According to this theory, all living things are struggling to survive. The living things that have the most helpful traits for their environment tend to survive. These living things then pass along their helpful traits to their young.

Main enquiry questions

- What route did Darwin's use on HMS Beagle?
- What use are contour lines on a map?
- How did fossils provide information about living things that inhabited the Earth millions of years ago?
- Explore how living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents.
- How do animals and plants adapt to suit their environment and how did this adaptation lead to evolution?
- How do normally offspring vary and why are they not identical to their parents (inheritance)?

Key Concepts

The following are the key concepts for this unit:

Offspring, vary, variation, characteristics, adapted, environment, inherited, species, fossils, adaptation, characteristic, gene, natural selection, artificial selection.

English Texts

This term in English we will be studying the following texts:

Can We Save the Tiger? By Martin Jenkins
The Ever Changing Earth - by Grahame Baker-Smith

Maths learning

This term in maths we will be studying:

Fractions B
 Decimals & Percentages
 Perimeter & Area
 Here are the home learning links: Just click on the relevant area to access the videos: <https://whiterosemaths.com/resources?year=year-5->

Geographical	Science	DT	PE	Music	RE	Computing	French	PSHE
Map skills—contour lines. Researching Darwin's journey.	Evolution and inheritance	Electrical Systems-Doodlers	Dodgeball	South America	Why is the Torah so important to Jewish people?	Creating Media—Vector drawings	The planets Making compound sentences Preparing a presentation + Famous French people	Health & Wellbeing. Online friendships Staying safe online






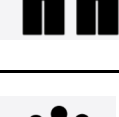
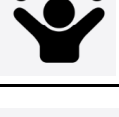

Our Curriculum Elements for this half term.



Trips, activities and or visits this term:

School Trips: Sidmouth transition event

PE—Netball and basketball after school enrichment

Hook		Explore Darwin’s journey. Plus the arrival of an ammonite in the classroom—linked to our English book ‘The Ever-Changing planet’.
Fieldwork		Adventure Island—linked to Geography topic—Darwin and map skills.
Written outcome		Linked to our English book ‘The Ever-Changing planet’ 1. To create an explanation text—simple leaflet. 2. To write a cyclical story.
Creative Outcome		Play project
Adventure (Activities in Adventure Island)		Linked to Geography—map skills.
Play Project		With Reception
Celebration		We will share our knowledge and experiences with other classes.
Retrieval Practice		Children will look back at last terms topic—‘The Vikings’.



Learning & growing together,
taking every opportunity.

RESPECT · ADVENTURE · ACHIEVE

Curriculum Overview: Year 5 Spring 2:

'A long, long time ago, before humans even existed, the living world looked very different from how it looks today.'

What amazing discoveries did Darwin find?

Spellings for the half term

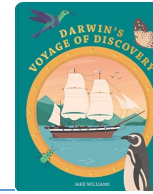
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
allowed	suggest	ambitious	artificial	assistance	independence
aloud	symbol	conscious	beneficial	assistant	independent
altar	system	delicious	commercial	confidence	innocence
alter	temperature	infectious	confidential	confident	innocent
ascent	thorough	malicious	essential	decency	obedience
assent	twelfth	nutritious	initial	decent	obedient
bridal	variety	precious	official	frequency	observance
bridle	vegetable	superstitious	potential	frequent	observant
cereal	vehicle	suspicious	social	hesitancy	tolerance
serial	yacht	various	special	hesitant	tolerant

Suggested Texts to read at home with your children :

KEY TEXT

Darwin's voyage of discovery.

by Jake Williams



Step on-board *The Beagle* and follow the remarkable journey that inspired almost all modern-day knowledge of the natural world. From England to Cape Verde, Brazil to the Galapagos, Tahiti to Australia; discover the wildlife of Charles Darwin - giant sloths, platypus, tarantulas, fireflies and more. As well as gorgeous artwork and fascinating information on the journey, this book also features the equipment used by Darwin and cross-sections of the ship itself.

KEY TEXT

On The Origin of Species

by Sabina Radeva



For most of human history, people believed that everything in the world was created at once. But scientists started to challenge that idea and in 1859 Charles Darwin, a naturalist and biologist, wrote a famous book called *On the Origin of Species* that revolutionised the way that we have understood evolution ever since.

Now molecular biologist and illustrator Sabina Radeva has recreated Darwin's most famous work as a beautifully illustrated book for children and adults alike. The stunning pictures bring the theory of evolution to life for young readers, and anyone who wants to learn about evolution.

Pulling together Darwin's observations from his travels around the world and his ground-breaking explanation of how species form, develop, and change over hundreds of thousands of years, *On The Origin of Species* is as relevant and important now as it ever was.