



# Evolution and Inheritance

## Year 6

Think deeply about...

- How and why fossils are used today?
- Did Mary Anning get what she deserved?
- Different people's beliefs.
- How will humans need to adapt in the future?

### Learn...

- How fossils give us information about humans and animals millions of years ago.
- About Mary Anning and how she contributed to Palaeontology.
- How living things produce offspring of the same kind although they will vary.
- How chromosomes from each parent contribute to us.
- Charles Darwin's theory of Evolution alongside others views such as the Hindu and Christianity beliefs on how we came about.
- How plants and animals such as polar bears have adapted to live in their environment and use this to create new species created to survive in certain habitats.
- What may happen to our planet in the future and use that to think about human adaptation.

### Use...

- Fossils- the remains or impression of a prehistoric plant or animal embedded in rock and preserved in petrified form.
- Extinction- the state or process of being or becoming extinct.
- Palaeontology- the branch of science concerned with fossil animals and plants.
- Chromosomes- a threadlike structure of nucleic acids and protein found in the nucleus of most living cells, carrying genetic information in the form of genes.
- Evolution- the process by which different kinds of living organism are believed to have developed from earlier forms during the history of the earth and the gradual development of something.
- Adaptation- the process of change by which an organism or species becomes better suited to its environment.



### Explore...

- <https://www.bbc.com/bitesize/articles/z2ym2p3>
- <https://www.youtube.com/watch?v=3rkGu0BltKM>
- <https://www.bbc.com/bitesize/articles/zf6vb82>