

## Key facts:

We share a common ancestor with apes.  
Stages of human development include Australopithecus, Homo Habilis, Homo Erectus, Neanderthal, Homo Sapien  
Charles Darwin wrote the Theory of Evolution in his book Origin of Species.  
Fossils such as those discovered by Mary Anning give us evidence of life on Earth that is now extinct.

## Important questions:

What is the difference between inherited and acquired traits?  
How have particular species adapted to suit their environments over time?  
Why are Charles Darwin and Mary Anning significant figures in the field of science? Why are their discoveries important?  
Who do we share a common ancestor with and what were the key stages of human development?

## Key skills for you to practice:

Observational skills – comparing and contrasting stages of human development through comparison of skeletons.

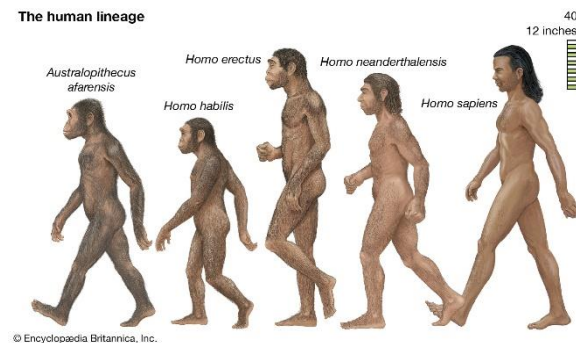
# Hopton Primary School

## Knowledge Organiser for Year 6 Science: How do living things change over time and place?

### What do we need to learn?

Every organism is made up of the DNA of its parents  
Humans have a unique DNA combination from both parents so siblings are similar but not the same.  
Species change and adapt due to genetic mutations that allow organisms to thrive in their environment and this survival of the fittest is the basis for the evolutionary process.

### Key image to discuss



### What I should already know:

Foundation	Dinosaurs
Year 3	Mary Anning in rocks and soils Animal habitats

### Links to Future Learning:

Year 7	Evolution in high school
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### Key Vocabulary:

Word	What does it mean?
Evolution	The process by which living things can gradually change over time.
Adaptation	How living things are specialised to suit their environment.
Inheritance	The process of passing on features from parents to offspring.
Species	A group of living things with very similar characteristics. They can breed together to make more living things of the same type.
Variation	The differences between living things in a species.
DNA	DNA is the material that carries all the information about how a living thing will look and function.
Homo sapiens	A human is a member of the species Homo sapiens, which means 'wise man' in Latin.