

## Evolution

<b>What is evolution?</b>	Evolution is the way that living things change over time.
<b>Do things evolve?</b>	We know that living things used to look a lot different to how they do now. We know this because fossils have been found that show creatures that look a lot different to how they do today. Fossils show us that living things have changed over time.
<b>How do things evolve?</b>	A famous scientist, Charles Darwin observed that although individuals in a species shared similarities, they were not exact copies of each other. He also noticed that everything in the natural world was in competition. The winners were those that had characteristics which made them better adapted for survival. For example, they were stronger, faster, cleverer or more attractive than others in their species. These living things were more likely to reproduce and pass on their useful characteristics to their offspring.

## Science – Evolution

YEAR 6

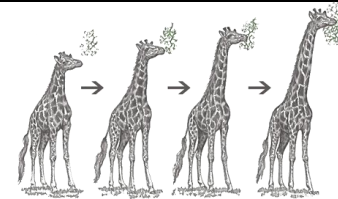
## Variation

Living things produce offspring of the same kind. For example, owls produce baby owls and humans produce baby humans... BUT... Normally offspring vary and are not identical to their parents.

Natural variation like this can lead to offspring being more likely or less likely to survive in their environment. If the variant makes them more likely to survive, they are more likely to be alive to pass this variant to their offspring.

## Adaptation

<b>What is adaptation?</b>	Adaption is when things evolve to overcome challenges in their environment. For example by adapting their behaviour.
<b>Examples of adaptation</b>	<p><u>Migration</u> Birds have adapted to move around the world to find weather and food sources to suit them. Birds that didn't do this may have run out of food and died.</p> <p><u>Sticking together in packs</u> Animals that learned to live in packs were more likely to be safer and more successful when hunting, leading them to be more likely to survive.</p>



Vocabulary	Definition
Fossils	A fossil is the naturally preserved remains or traces of animals or plants that lived in the geologic past
Variation	Small differences
Reproduce	To produce again/give birth
Offspring	Children or young
Migration	Seasonal movement of animals from one location to another

