

Topic	Evolution and Inheritance	Term	Summer	Year Group	6
-------	---------------------------	------	--------	------------	---

Vocabulary		Concepts and Knowledge	
environment	The surroundings or conditions in which an animal or plant lives.	<p>What we will learn and investigate through our work including through explorations outside.</p>	<p>Living things have changed over time. Fossils provide information about living things that inhabited the earth millions of years ago. Animals and plants have adapted to suit their environment. Adapting can happen in different ways and adaptation may lead to evolution. We can investigate in our own environments the habitats that animals and plants find best in which to thrive. Living things produce offspring of the same kind. Normally offspring vary and are not identical to their parents. Scientific ideas have changed over time. There are positive and negative effects of science development and which parts of our lives rely on science.</p>
Fossils	The remains or impressions of a prehistoric plant or animals embedded in rock and preserved.		
 Ammonite fossil			
evolution	The process by which different living organisms are believed to have developed from earlier forms of life.		
adaptation	The process of change by which an organism becomes better suited to their environment.	<p>Charles Darwin</p> 	<p>Charles Darwin was an English biologist and naturalist best known for his work on evolution - over time, species have descended from common ancestors. Charles Darwin's work influences how we understand how adaptation works and how this can lead to evolution.</p>
inheritance	To inherit (get) traits or characteristics from parents.		
offspring	An animal's young.		
parent	The biological mother / father of an animal. The parents reproduce.		
variation	A change or slight difference (sometimes compared to what has gone before).		<p>When carrying out a scientific investigation, we need: an independent variable (the thing we are changing) control variables (the things we are keeping the same) observations and measurements when the independent variable changes dependent variable (what happens as a result of the independent variable changing)</p>
vary	An animal / human offspring will vary from its parents.		
survival	Continuing to live or exist (being best adapted to the environment)		<p>Draw conclusions from data and observations, use evidence to justify ideas, use scientific knowledge and understanding to explain findings.</p> <p>Use scientific ideas and asking our own questions about scientific phenomena.</p>
species	A group of living organisms consisting of similar individuals capable of exchanging genes or interbreeding		

Powick CE Primary Knowledge Organiser for Science.

Topic	Evolution and Inheritance	Term	Summer	Year Group	6
-------	---------------------------	------	--------	------------	---