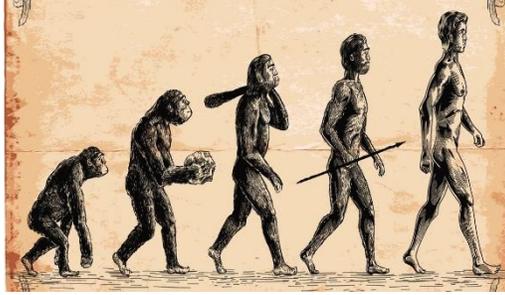


Year 6: Evolution and Inheritance Knowledge Mat

Subject Specific Vocabulary			Sticky Knowledge about Evolution and Inheritance
evolution	The theory that all the kinds of living things that exist today developed from earlier types. The differences between them resulted from changes that happened over many years.		<input type="checkbox"/> Evolution occurs when there is competition to survive (natural selection)
natural selection	The process where organisms that are best suited to their environment survive and pass on their genetic traits in increasing number to successive generations.		<input type="checkbox"/> Fossils are the remains of living things which are found in sedimentary rocks. These rocks form in layers so animals and plants can get trapped between the layers.
survival	A natural process resulting in the evolution of organisms best adapted to the environment. a state of surviving.	<p>Important facts to know by the end of the Evolution and Inheritance topic:</p> <ul style="list-style-type: none"> • Know that living things have changed over time. • Understand that fossils provide information about living things that inhabited the Earth millions of years ago. • Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents. • Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution. 	<input type="checkbox"/> When palaeontologists compare fossils to animals from today, they can see similarities and identify relationships between them.
reproduction	The process by which a living organism creates a likeness of itself.		<input type="checkbox"/> Sometimes the changes in the next generation can be an advantage (because they are better suited to their habitat); sometimes they can be a disadvantage (it is harder for them to survive in their habitat)
environment	This includes everything living and everything non-living		<input type="checkbox"/> Adapting to suit a particular environment helps animals to survive
variation	The differences between individuals within a species.		<input type="checkbox"/> Charles Darwin, Mary Anning and Alfred Wallace are scientists who thought about evolution.
fossils	The remains or traces of plants and animals that lived long ago.		
parents	A person or animal's father and mother.		
offspring	A person's child or children or an animal's young.		
siblings	Each of two or more children or offspring having one or both parents in common; a brother or sister.		