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## Key Ideas and Vocabulary

Knowledge you already have	New Knowledge	All living things have offspring of the same kind, as features in the offspring are inherited from the parents. Due to sexual reproduction, the offspring are not identical to their parents and vary from each other. Plants and animals	
In Year 2: I identified that most living things live in habitats to which hey are suited and describe how different habitats provide or the basic needs of different kinds of animals and plants, and how they depend on each other. I noticed that animals, including humans, have offspring which grow into adults. n Year 3: I described in simple terms how fossils are formed when hings that have lived are trapped within rock. n Year 4: I recognised that environments can change and that this	<ul> <li>During this unit:</li> <li>I will recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago.</li> <li>I will recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents.</li> <li>I will identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.</li> </ul>	have characteristics that make the the environment changes rapidly new environment and will die. If plants with variations that are bur reproduce and pass their charac- inherited characteristics become very long period of time, these ch were originally that a new specie evidence of what lived on the Ea to support the theory of evolution Wallace observed how living this distinct varieties with their own of adaptation	tem suited (adapted) to their environment. If , some variations of a species may not suit the the environment changes slowly, animals and est suited survive in greater numbers to teristics on to their young. Over time, these more dominant within the population. Over a tracteristics may be so different to how they is is created. This is evolution. Fossils give us rth millions of year ago and provide evidence h. More recently, scientists such as Darwin and togs adapt to different environments to become tharacteristics. Changes which help an animal survive.
an sometimes pose dangers to living things. n Year 5: Laccribed the life process of reproduction in some plants.			
and animals.	Scientific Enquiry	evolution	and changed over a long time.
Future Knowledge	Researching using secondary sources: - Use secondary sources to find out about how the	l Banganger - y Yana Uka.	<b>2 4</b>
<ul> <li>n KS3, I will study:</li> <li>Heredity as the process by which genetic information is transmitted from one generation to the next.</li> <li>A simple model of chromosomes, genes and DNA in heredity.</li> <li>The variation between species and between individuals of the same species means some organisms compete more successfully, which can drive natural selection.</li> <li>Changes in the environment may leave individuals within a species, and some entire species, less well adapted to compete successfully and reproduce, which in turn may lead finches' bird</li> </ul>	population of peppered moths changed during the industrial revolution. - Use secondary resources to compare the ideas of Charles Darwin and Alfred Wallace on evalution	inherit	Certain features are passed to a species offspring.
	<ul> <li>Use secondary resources to research the work of Mary Anning and how this provided evidence of evolution.</li> <li>Pattern seeking:</li> <li>Identify features in animals and plants that are passed onto offspring and explore this process by considering the artificial breeding of animals or plants e.g. dogs</li> <li>Use models to demonstrate evolution e.g. 'Darwin's finches' bird beak activity.</li> </ul>	species	Classification of a similar group of living things that are able to reproduce.
		variation	Differences between offspring of the same litter.