



By the end of ...	<p style="text-align: center;">EVOLUTION and INHERITANCE</p> <p style="text-align: center;">Progression in Key Concepts ...</p>	PoS suggested year
<p style="text-align: center;">Key Stage 2</p>	<ul style="list-style-type: none"> • Recognise that living things have changed over time and 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. 	<p style="text-align: center;">Year 6</p>
<p style="text-align: center;">Key Stage 3</p>	<p>Inheritance, chromosomes, DNA and genes</p> <ul style="list-style-type: none"> • <i>Recognise that</i> heredity is the process by which genetic information is transmitted from one generation to the next • <i>Recognise</i> a simple model of chromosomes, genes and DNA in heredity, including the part played by Watson, Crick, Wilkins and Franklin in the development of the DNA model • <i>Recognise why there are</i> differences between species • <i>Observe and describe</i> the variation between individuals within a species being continuous or discontinuous, to include measurement and graphical representation of variation • <i>Recognise that</i> the variation between species and between individuals of the same species means some organisms compete more successfully, which can drive natural selection • <i>Identify how</i> 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 to extinction • <i>Recognise</i> the importance of maintaining biodiversity and the use of gene banks to preserve hereditary material. 	<p style="text-align: center;">Year 7, 8 or 9</p>