

Science Progression of Skills and Knowledge Evolution and inheritance

Key to understanding this document: Black = National Curriculum objectives Red = Knowledge/Skills to be taught Green = Resources to be used

<u>Area of Learning</u>	<u>EYFS</u>	<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Year 4</u>	<u>Year 5</u>	<u>Year 6</u>
<u>Evolution</u>							<p>To be able to recognise that living things have changed over time and that fossils provide information about living things that inhabited Earth millions of years ago.</p> <p>WS: To be able to identify scientific evidence that has been used to support or refute idea or arguments.</p> <p><u>Activity suggestion</u> Children draw or make a series of 'fossils' which would be found in different layers of earth. The fossils will change in each layer to show how the same bone has changed over time.</p>
<u>Inheritance</u>							<p>To be able to recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents.</p> <p>WS: To be able to identify scientific evidence that has been used to support or refute idea or arguments. OR WS: To be able to explain (written or verbally) that living things grouped together have more things in common than with living things in other groups.</p> <p><u>Activity Suggestion</u> Ask the children to create own family tree. Then discuss features that have been inherited. Use Mr Men and Little Miss books to create 'family trees' which show inherited features.</p>

Adaption							<p>To be able to identify how animals are adapted to suit their environment in different ways and that adaptation may lead to evolution.</p> <p>WS: To be able to talk about their degree in trust in the sources they have used</p> <p>The following link contains a range of experiments to show adaptation.</p> <p>https://www.stem.org.uk/resources/elibrary/resource/33665/education-pack-seeds-and-fruits-adaptation-suitable-home-learning</p>
Key Vocabulary							<p>Evolution, inheritance, animals, nutrition, reproduce, excrete, respiration, sensitivity, environment, Mrs Nerg / Mrs Gren, adaptation, Charles Darwin.</p>
Key Resources							<p>Fossils, rocks, Classification charts, Ipads, tweezers, straws, berries, images of birds, Discovery Walk, Little Miss and Mr texts, Variety of texts and secondary sources</p>