

Science Progression of Knowledge and Skills Evolution and inheritance

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

At The Discovery School we understand the importance of our children knowing more, remembering more and doing more. With this in mind, we teach the children the knowledge they require, ensuring they have opportunities for the retrieval of knowledge and the chance to apply new skills during their learning.

Area of Learning	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Evolution							<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>Activity suggestion 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>
Inheritance							<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.</p> <p>OR</p> <p>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>Activity Suggestion Ask the children to create own family tree. Then discuss features that have been inherited.</p>

<p>Adaption</p>						<p>Use Mr Men and Little Miss books to create 'family trees' which show inherited features.</p> <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>
<p>Key Vocabulary</p>						<p>Evolution, inheritance, animals, nutrition, reproduce, excrete, respiration, sensitivity, environment, Mrs Nerg / Mrs Gren, adaptation, Charles Darwin.</p>
<p>Key Resources</p>						<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>