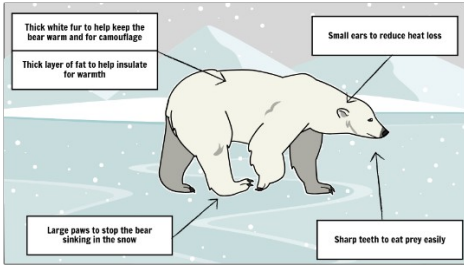




let anyone look down on you because you are young but set an example for the believers in speech; in conduct; in love; in faith and in purity.  
(1 Timothy 4:12)

| Subject: Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Year group: 6 Term: Autumn 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Title: Adaption and Inheritance - Biology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>What should I know?</b></p> <ul style="list-style-type: none"><li>• How fossils are formed</li><li>• That soils are made from rocks and organic matter</li><li>• The differences between things that are living, dead and that have never been alive</li><li>• That most living things have lived in habitats to which they are suited</li><li>• Which type of animals live in which type of habitat</li><li>• How animals obtain their food from plants and/or other animals</li></ul> | <p><b>Facts I will learn ...</b></p> <ul style="list-style-type: none"><li>• That living things have changed over time and that fossils can tell us information about living things which inhabited the earth years ago</li><li>• That living things produce offspring but these offspring vary and are not identical to their parents</li><li>• How animals and plants are adapted to suit their environment in different ways</li></ul>  | <p><b>Key questions ...</b></p> <ul style="list-style-type: none"><li>• Are all plants and animals the same? Are all humans the same?</li><li>• How do animals survive?</li><li>• Why do animals need to reproduce?</li><li>• How have species changed over time?</li><li>• Why are some species under threat when others aren't?</li><li>• What happens if we remove a species from a food chain?</li><li>• What effects do pollution and global climate change have on animals/plant/food chains?</li></ul>  |

|                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                   |                                 |                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------------------------------------------------------------------------|
| <b>Key Skills...</b> <ul style="list-style-type: none"><li>• Describing the changes that living things experience over time</li><li>• Interpreting the information fossils give us</li><li>• Comparing and grouping offspring</li><li>• Recognising the adaptations of animals and why these are needed</li></ul> | <b>Experiences that school may provide:</b> <ul style="list-style-type: none"><li>• A visit to a museum</li><li>• A visit to an animal farm</li></ul>                                                                             | <b>Key vocab and definition</b> |                                                                                                           |
| <b>Web links</b><br><a href="https://www.bbc.co.uk/bitesize/topics/zvhhvcw">https://www.bbc.co.uk/bitesize/topics/zvhhvcw</a>                                                                                                                                                                                     | <b>Experiences that could be provided at home...</b> <ul style="list-style-type: none"><li>• Looking at pictures of different baby animals and discussing their differences/similarities</li><li>• Visiting a pet store</li></ul> | Evolution                       | The process by which different kinds of living organism are believed to have developed from earlier forms |
|                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                   | Species                         | A group of living organisms consisting of similar individuals                                             |
|                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                   | Population                      | All the inhabitants of a particular place                                                                 |
|                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                   | Trait                           | A distinguishing quality or characteristic                                                                |
|                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                   | Inherited                       | A quality or characteristic derived genetically from parents or ancestors                                 |
|                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                   | Variation                       | A change or slight difference                                                                             |
|                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                   | Mutation                        | The changing in the structure of a gene                                                                   |
|                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                   | Gene                            | A unit of heredity which is transferred from a parent to offspring                                        |
|                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                   | Survive                         | Continue to live or exist, especially in spite of danger                                                  |

|  |  |            |                                                                     |  |
|--|--|------------|---------------------------------------------------------------------|--|
|  |  | Adaptation | The process of being adapted                                        |  |
|  |  | Fittest    | In good health                                                      |  |
|  |  | Suited     | Right or appropriate for a particular person, purpose, or situation |  |