

Knowledge	Skills
<ul> <li>To describe the process of photosynthesis and how leaves are adapted for this process.</li> <li>To define chemosynthesis</li> </ul>	Interpret observations to identify patterns and draw a
<ul> <li>To describe the process of respiration</li> <li>Draw food chains and webs and describe the relationships shown.</li> <li>To describe the structure of the Earth and it's atmosphere.</li> <li>To describe how the atmosphere has changed over</li> </ul>	Present data using tables and graphs. Understand and use
<ul> <li>time and is continuing to change.</li> <li>Describe the differences in transverse and longitudinal waves.</li> <li>Describe porperties of sound waves and how we hear them.</li> </ul>	Use correct methods in laboratory work.
<ul> <li>Describe how characteristics are inherited and why there is variation within these characteristics.</li> <li>Describe how species adapt.</li> <li>Describe how species evolve.</li> <li>Define extinction and reasons for extinction.</li> <li>Describe what is produced when metals and their compounds react with acids.</li> </ul>	Plan and carry out an investigation, identifying independent, dependent, and control variables.
<ul> <li>Describe the process of reflection and refraction.</li> <li>Describe how we see light using the eye and lenses.</li> <li>Name the different types of pathogen that cause disease and how to stop the spread of the disease.</li> <li>Describe how micro-organisms can be useful.</li> <li>Describe how antibiotics and vaccinations work.</li> </ul>	Select correct methods, equipment, and materials for a practical.
<ul> <li>Describe now difficiences and vaccinations work.</li> <li>Define mixtures and describe the processes of separating mixtures.</li> <li>Describe objects found in the night sky and in our</li> </ul>	Present data in a graph
<ul> <li>solar system.</li> <li>Describe how we can study stars and the discovery of the universe.</li> <li>Describe how substances move in and out of cells.</li> </ul>	Evaluate the results of a practical scientifically
<ul> <li>Define endothermic and exothermic reactions.</li> <li>Calculate energy changes in a reaction.</li> <li>Describe the properties and uses of the parts of the electromagnetic spectrum.</li> </ul>	Evaluate you practice and say how to improve the investigation in the future.