

GCSE Biology B15 Evolution and Genetics

| What are we learning?                           | What knowledge, understanding and skills will we gain?   | What does excellence look like?  | What additional resources are available?   |
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| <p>Evolution, extinction and classification</p> | <p><b>Knowledge</b></p> <ul style="list-style-type: none"> <li>• Definition of evolution</li> <li>• List of ways in which species become extinct</li> <li>• Classification systems</li> </ul> <p><b>Understanding</b></p> <ul style="list-style-type: none"> <li>• Explain the mechanisms in which evolution occurs</li> <li>• Describe the process of fossilisation</li> <li>• Compare classification systems and give strengths and limitations of each</li> <li>• Evaluate the use of antibiotics and recommend guidelines for future use</li> <li>• Give the evidence for and against evolution</li> </ul> <p><b>Skills</b></p> <ul style="list-style-type: none"> <li>• Give references</li> <li>• Suggest further lines of enquiry</li> <li>• Understand how scientific ideas change over time</li> <li>• Evaluate and critically evaluate claims</li> </ul> | <p>Combining secondary sources, and critiquing these to evaluate these the current use of antibiotics nationally and world wide.</p> <p>Detailed explanation of the mechanisms of evolution with scientific terminology.</p> <p>Using 'How Science Works' to explain how investigations and the conclusions drawn from these have led changes in scientific understanding.</p> | <p>BBC Bitesize</p> <p>Doddle – power points and quick quizzes</p> <p>You tube: 'Free science lessons'</p> <p>Seneca learning platform</p> |

