

**National Science Education Content Standard Correlation  
Grades 5-8**

Instructional Objectives “Malady at Mabufo”	Science Content Standard
<ul style="list-style-type: none"> <li>Conduct a virtual experiment to explain how the malaria parasite is transmitted through mosquitoes to humans.</li> </ul>	<p><b><u>Science as Inquiry</u></b></p> <p><b>Content Standard A: All students should:</b></p> <ol style="list-style-type: none"> <li>Develop abilities necessary to do scientific inquiry</li> <li>Understand about scientific inquiry</li> </ol>
<ul style="list-style-type: none"> <li>Relate how the protozoan <i>Plasmodium</i> interacts with the human body and the <i>Anopheles</i> mosquito to cause malaria.</li> </ul>	<p><b><u>Life Science</u></b></p> <p><b>Content Standard C: All students should develop an understanding of:</b></p> <ol style="list-style-type: none"> <li>Structure and function in living systems</li> <li>Reproduction and heredity</li> <li>Regulation and behavior</li> <li>Population and ecosystems</li> <li>Diversity and adaptations of organisms</li> </ol>
<ul style="list-style-type: none"> <li>Describe the symptoms and treatment for malaria.</li> <li>Describe ways to prevent the spread of malaria (mosquito control and anti-malarial drugs).</li> <li>Comprehend the prevalence and worldwide problem of controlling malaria.</li> </ul>	<p><b><u>Science in Personal and Social Perspectives</u></b></p> <p><b>Content Standard F: All students should develop understandings of:</b></p> <ol style="list-style-type: none"> <li>Personal health</li> <li>Populations, resources, and environment</li> <li>Natural hazards</li> <li>Risks and benefits</li> <li>Science and technology in society</li> </ol>
<ul style="list-style-type: none"> <li>Associate specific scientists–Laveran, Ross, and Manson– with the early investigations into the cause and transmission of malaria.</li> </ul>	<p><b><u>History and Nature of Science</u></b></p> <p><b>Content Standard G: All students should develop understandings of:</b></p> <ol style="list-style-type: none"> <li>Science as a human endeavor</li> <li>Nature of science</li> <li>History of science</li> </ol>
<ul style="list-style-type: none"> <li>Summarize the storyline.</li> </ul>	<p>NA</p>