

# ***MISSION BRIEFING*** Correlation with Standards

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

Instructional Objectives “Zero-Hour Zoonoses”	Science Content Standard
<ul style="list-style-type: none"> <li>Define Zoonoses</li> </ul>	<p><b>Standard F:</b> Students should develop understanding of personal health.</p>
<ul style="list-style-type: none"> <li>Differentiate various types of zoonotic transmission.</li> </ul>	<p><b>Standard F:</b> Students should develop understanding of personal health.</p>
<ul style="list-style-type: none"> <li>Describe different methods of zoonotic infection.</li> </ul>	<p><b>Standard F:</b> Students should develop understanding of personal health.</p>
<ul style="list-style-type: none"> <li>Discuss historical cases of zoonotic epidemics that occurred naturally or as a result of biological warfare.</li> </ul>	<p><b>Standard F:</b> Students should develop understanding of personal health.</p> <p><b>Standard G:</b> Students should develop understanding of history of science.</p>
<ul style="list-style-type: none"> <li>Provide specific reasons for the increasing rate of emerging diseases.</li> </ul>	<p><b>Standard F:</b> Students should develop understanding of personal health.</p>
<ul style="list-style-type: none"> <li>Describe how researchers and scientists collaborate to monitor and prevent diseases.</li> </ul>	<p><b>Standard F:</b> Students should develop understanding of personal health.</p> <p><b>Standard G:</b> Students should develop understanding of science as a human endeavor.</p> <p><b>Standard G:</b> Students should develop understanding of nature of science.</p>
<ul style="list-style-type: none"> <li>Explain proper protection needed for collecting and analyzing pathogen samples.</li> </ul>	<p><b>Standard A:</b> Students should develop abilities necessary to do scientific inquiry.</p>
<ul style="list-style-type: none"> <li>Provide an explanation of the sources, symptoms, and treatment of Anthrax.</li> </ul>	<p><b>Standard F:</b> Students should develop understanding of personal health.</p> <p><b>Standard C:</b> Students should develop understanding of structure and function in living systems.</p>

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<ul style="list-style-type: none"> <li>• Provide an explanation of the sources, symptoms, and treatment of Salmonellosis.</li> </ul>	<p><b>Standard F:</b> Students should develop understanding of personal health.</p> <p><b>Standard C:</b> Students should develop understanding of structure and function in living systems.</p>
<ul style="list-style-type: none"> <li>• Encourage inquiry of multiple sources to collect information on zoonoses.</li> </ul>	<p><b>Standard A:</b> Students should develop abilities necessary to do scientific inquiry.</p> <p><b>Standard F:</b> Students should develop understanding of personal health.</p>
<ul style="list-style-type: none"> <li>• Require synthesis of information using logic and reasoning to solve a medical mystery.</li> </ul>	<p><b>Standard A:</b> Students should develop abilities necessary to do scientific inquiry.</p>
<ul style="list-style-type: none"> <li>• Provide a summary of the mystery's story line.</li> </ul>	