

***MISSION BRIEFING* Correlation with Standards**

National Science Education Content Standard Correlation Grades 5-8

Instructional Objectives “Nemesis in Neuropolis”	Science Content Standard
<ul style="list-style-type: none"> Apply the scientific method to the investigation of a mystery disease. Analyze and interpret epidemiological data and patient profiles to reach a hypothesis about a disease. 	<p><u>Science as Inquiry</u></p> <p>Content Standard A: All students should:</p> <ol style="list-style-type: none"> Develop abilities necessary to do scientific inquiry Understand about scientific inquiry
<ul style="list-style-type: none"> Identify the two major structures of a virus, and know their functions. Summarize the process of viral reproduction in a host cell. 	<p><u>Life Science</u></p> <p>Content Standard C: All students should develop an understanding of:</p> <ol style="list-style-type: none"> Structure and function in living systems Reproduction and heredity Regulation and behavior Population and ecosystems Diversity and adaptations of organisms
<ul style="list-style-type: none"> Associate the virus, <i>Variola major</i>, with the disease it causes – smallpox. Describe how smallpox vaccine is produced. Describe ways to prevent the spread of smallpox (quarantine, vaccine, health warnings, and previous illness). Identify the symptoms of smallpox. 	<p><u>Science in Personal and Social Perspectives</u></p> <p>Content Standard F: All students should develop understandings of:</p> <ol style="list-style-type: none"> Personal health Populations, resources, and environment Natural hazards Risks and benefits Science and technology in society
<ul style="list-style-type: none"> Associate Edward Jenner with the early development of the smallpox vaccine. Summarize the history of smallpox and its current status. 	<p><u>History and Nature of Science</u></p> <p>Content Standard G: All students should develop understandings of:</p> <ol style="list-style-type: none"> Science as a human endeavor Nature of science History of science
<ul style="list-style-type: none"> Summarize the storyline. 	