

***MISSION BRIEFING*: Correlation with Standards**

National Science Education Content Standard Correlation Grades 5-8

Instructional Objectives “Orientation at ORB”	Science Content Standard
<p>Koch’s Concepts</p> <ul style="list-style-type: none"> • Simulate an experiment demonstrating Koch’s Postulates. • Apply the steps of Koch’s Postulates to identification of a disease in humans. 	<p><u>Science as Inquiry</u> Content Standard A: All students should develop:</p> <ol style="list-style-type: none"> 1. abilities necessary to do scientific inquiry 2. understandings about scientific inquiry
<p>Enemy Agents</p> <ul style="list-style-type: none"> • Identify the six types of infectious agents and their characteristics. <p>Body Defender</p> <ul style="list-style-type: none"> • Describe the role of the immune system in fighting diseases. 	<p><u>Life Science</u> Content Standard C: All students should develop an understanding of:</p> <ol style="list-style-type: none"> 1. structure and function in living systems 2. reproduction and heredity 3. regulation and behavior 4. diversity and adaptations of organisms
<p>Germ Blaster and Infect-O-Rama</p> <ul style="list-style-type: none"> • Associate modes of transmission with each type of pathogen. • Distinguish different treatments and preventatives most effective for each pathogen. • Match types of pathogens to the specific diseases they cause. 	<p><u>Science in Personal and Social Perspectives</u> Content Standard F: All students should develop understandings of:</p> <ol style="list-style-type: none"> 1. personal health 2. natural hazards 3. risks and benefits 4. science and technology in society
<p>Koch’s Concepts</p> <ul style="list-style-type: none"> • Recognize the name Robert Koch and his contributions to Germ Theory. 	<p><u>History and Nature of Science</u> Content Standard G: All students should develop understandings of:</p> <ol style="list-style-type: none"> 1. science as a human endeavor 2. history of science
<ul style="list-style-type: none"> • Summarize the storyline. 	