

<p><b>Overview:</b></p>	<p>The purpose of this lesson is to explore the behaviors of a particular bacterium, the affects of the bacteria in a human host, and the “social” behavior of the bacteria.</p>
<p><b>Objective:</b></p>	<p>Through a six to eight paper, students will pick a bacterium they find interesting while identifying its specific behaviors, its affects on humans and the social behaviors of the bacteria.</p>
<p><b>Standards:</b></p>	<p>“Responsible individuals must take the opportunity afforded by the standards-based reform movement to achieve the new vision of science education.”  <a href="http://www.nap.edu/openbook.php?record_id=4962&amp;page=233">http://www.nap.edu/openbook.php?record_id=4962&amp;page=233</a></p>
<p><b>Materials:</b></p>	<p>Students will need to be provided with a computer with an Internet application. Students will also need to be provided with the TED video “Bonnie Bassler on how bacteria ‘talk’” as an example of what is expected in their paper.</p>
<p><b>Procedure:</b></p>	<ul style="list-style-type: none"> <li>• Students will watch “Bonnie Bassler on how bacteria ‘talk’” as an example of the kind of information they need in their paper.</li> <li>• Students will then choose a bacterium they find interesting while researching the affects of the bacteria in a human host and the social behavior of the bacteria.</li> <li>• The students will research their bacteria</li> <li>• Students will gather their data and information and compile it into a six to eight paper explaining their chosen bacteria.</li> </ul>

**Evaluation:**

The student's paper will be graded on content and referring back to the video.