

GED 2002 Teachers' Handbook of Lesson Plans

Area/Skill - Science	Cognitive Skill Level - Analysis	Correlation to Science Framework - 03.02/03.05	Lesson Number - 13
<p>Activity Title - Science and How It Can Impact Your Life</p> <p>Goal/Objective</p> <p>To analyze the impact that disease has on one's life.</p> <p>Lesson Outline</p> <p>Introduction</p> <p>In today's world, people are connected in so many ways. When there is an infection in one place, it can be found to affect others in the world. It is only when this infection threatens to affect our own lives that we then take notice of it.</p> <p>Activity</p> <p>Discuss what a disease is and the different types of diseases of which students are aware – the diseases may be human or animal. Next, supply the students with a world map. Have the group locate on the world map places with a known epidemic. Examples of diseases could include: AIDS, Ebola, influenza, Hepatitis A, smallpox, polio, etc. Assign students the task of determining whether or not the person is in any danger from the disease. Have students complete a writing connection that allows them to express their own views on the disease.</p> <p>Debriefing/Evaluation Activity</p> <p>Have the students discuss the disease and the affects that it has on the students themselves. Discuss the need for the students to understand their connection with the other parts of the world and their need to be aware of these kinds of situations.</p>			<p>Materials/Texts/Realia/Handouts</p> <ul style="list-style-type: none"> • Newspapers and news magazines • World map • Pencil/paper/highlighters • Computers/Internet access • Websites on disease control such as: National Center for Infectious Diseases - http://www.cdc.gov/ncidod/index.htm
			<p>Extension Activity</p> <p>Bring in newspaper or magazine articles that have been published in the last few years that discuss other diseases. Have students first read the articles and then discuss with the group what implications this disease would have on them and their life.</p>
<p>Real-Life Connection</p> <p>Look in newspapers or news magazines for any articles on these diseases (mad cow disease, Ebola, hoof and mouth disease, etc).</p>			<p>ESE/ESOL Accommodations</p> <ul style="list-style-type: none"> • Provide a list of important vocabulary words. • Give the student a study guide to follow on basic diseases and their impact. • Use real-life examples and concrete material whenever possible.

GED 2002 Teachers' Handbook of Lesson Plans - Script

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Activity Title - Disease and How It Can Impact Your Life

Introduction

Ask: Has any one ever had a cold? Does anyone know what kind of disease a cold is? Is it serious? Answers may include such things as a cold is a virus or viral, and some answers will conclude that a cold can indeed be serious. Discuss with the group that that people in their everyday life come into contact with others who have or have been exposed to any number of diseases.

Main Activity

Say: We are going to look for articles on diseases that are affecting the world at this time. In small groups, locate and mark on a world map the diseases that you located. As a whole group, we will then mark the maps with any disease that was not already located. Compare the distance from where you live to where the diseases are found. What affect could there be on your life if any of these diseases reach your community or country?

Closure/Conclusion

Ask: How will your knowing about the epidemics around the world affect your quality of life? What can you do to protect yourself from diseases? Sample answers could include: keep vaccinations current, practice good health techniques such as washing ones hands, watch areas into which you travel, preventative health practices such as eating correctly, etc.

Follow-Up Lessons/Activities

Bring in newspapers or search the Internet for articles on diseases that are affecting places around the world. Locate and mark on a world map where the outbreak of the disease is occurring. Have the students compare the distance from where they live to where the diseases are found. *Ask:* What affect could there be on your life if any of these diseases reach your community or country?