

# World's Deadly Diseases

**Instructor:** Elisa Beachy

**Workshop:** International Viruses

**Targeted Grade Level(s):** Middle/Secondary

**Content Area(s) Covered:** Geography/Science

**Anticipated Duration:** Three (3) Days – 50-Minute Periods

**Rationale:** Disease spreads quickly throughout our world. At times we don't realize that things we do daily can spread a disease. Throughout this lesson, students will learn the effects and knowledge of deadly world disease.

**Objectives:**

1. Students will gain knowledge on the cause and effect of five major diseases.
2. Students will clearly locate where major diseases are located throughout the world.
3. Students will obtain statistical information through research of the population of the world affected by five major world diseases.
4. Students will obtain current news information about cases of disease occurring in the world today.

**Sunshine State Standards:**

**SS B.2.3.1** – The student will understand the pattern and process of migration and differences throughout the world.

**SC G.1.3.1** – The student knows that viruses depend on other living things.

**Resources/Materials Needed:**

- 1) Labeled outline map of the world.
- 2) Plain paper or colored paper for sentence strip booklet
- 3) [Instructions](#) for sentence strip booklet
- 4) Colored pencils
- 5) Resources for [Group Reading Articles on Diseases](#)

**Procedures:**

- 1) Students will be making a sentence strip book for five major diseases of the world. These are: Ebola Virus, Malaria, West Nile Virus, Hepatitis, HIV/AIDS
- 2) Using the internet resource sheet that will be given to them, they are to search for information for their sentence strip book to be able to complete each page of the booklet. They can work in a group of three or four. This can be done in a computer lab setting or a classroom.
- 3) Using the information acquired on areas of the world where these diseases occur the most; color the areas for each disease on a world map.

Formal Assessments:

Rubric for Sentence Strip Booklet and Map Completion

Name of Student \_\_\_\_\_

Information on Each Disease Completed

Ebola Virus	(10 pts)	_____
Malaria	(10 pts)	_____
West Nile Virus	(10 pts)	_____
Hepatitis	(10 pts)	_____
HIV/AIDS	(10 pts)	_____

Map Completion – Outbreak areas Colored with  
Different Colors (50 pts) \_\_\_\_\_

Total Grade Points \_\_\_\_\_  
Final Grade for Assignment \_\_\_\_\_

Evaluation/Reflection:

Students had a problem putting the sentence strip booklet together at first, even with me giving them directions and modeling how to do it. After they saw how to set up the pages with the proper instructions for each page for each disease it became a little easier for them. They also were able to work together in their groups and this seemed to help. Usually I choose groups for them to work in, but for this activity, I allowed them to choose who they wanted to work with and it was fine.

They seemed to learn a lot about the major diseases and how they spread. I also saw many more students using hand wipes and Purell lotion in my class to wash off their hands more often than usual. They really learned a lot of good tips of how disease can spread quickly.