

Fighting Disease

**Seventh Grade Geographic Understandings**  
**Seventh Grade Economic Understandings**

**Elaborated Lesson Focus**

This lesson is designed for students to gain knowledge of the impact positive medical intervention has in developing countries. Activities will focus on the physical geography of Africa and their health issues due to Guinea worm disease and river blindness. Students will use both primary and secondary resources. By the end of the lesson, students will demonstrate their knowledge by labeling a map of the African countries and locations where The Carter Center works to control incidences of Guinea worm disease and river blindness.

**Standards**

**SS7E3 Describe factors that influence economic growth and examine their presence or absence in Nigeria, South Africa, and Kenya.**

- a. Evaluate how literacy rates affect the standard of living.
- b. Explain the relationship between investment in human capital (education and training) and gross domestic product (GDP per capita).
- c. Explain the relationship between investment in capital goods (factories, machinery, and technology) and gross domestic product (GDP per capita).
- d. Explain how the distribution of natural resources affects the economic development of Africa.
- e. Describe the role of entrepreneurship.

**SS7G2 Explain environmental issues across the continent of Africa.**

- a. Explain how water pollution and unequal access to water impacts irrigation, trade, industry, and drinking water.
- b. Explain the relationship between poor soil and deforestation in Sub-Saharan Africa.
- c. Explain the impact of desertification on the environment of Africa.

**SS7CG2 Analyze how government instability in Africa impacts standard of living**

- a. Describe the impact of government instability on access to education and the distribution of medicine and food to combat diseases and famine across Africa.

- How do the health programs of The Carter Center impact African countries? What diseases is The Carter Center helping to fight in Nigeria? What is unique about programs?

**Balanced Assessment Plan**

**Description of assessment**

Students will work in pairs. Students will identify (label) the African countries listed in SS7G2a. Students will draw in and label the major physical features listed in SS7G2b.

Working in pairs, students will create a chart of the African countries listed in SS7G2a that The Carter Center is working with to eliminate human suffering. The chart will include government, economy, education, and health issues. Pairs will be placed in groups to compare their charts. Groups will share their charts. Students in pairs will use the following website:

[www.cartercenter.org](http://www.cartercenter.org)

**Type of assessment**

Observation

Dialogue and Discussion  
Constructed Responses  
Self-Assessment

atch the video on

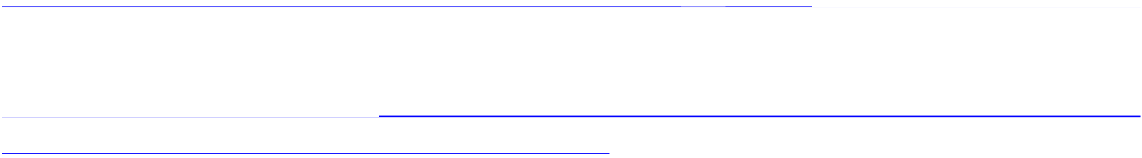
On the map, shade each country in blue which is participating in the Guinea Worm Eradication Program. Click on the following countries: South Africa, Tanzania, Rwanda, Mozambique, Democratic Republic of the Congo, Ghana, Mali, Mauritania, Sierra Leone, Sudan, Egypt, Ethiopia, Libya, Nigeria, Kenya, and Chad. Read the Nigeria Country page carefully to understand how Guinea worm disease affects communities.  
approach.

Students in pairs will use the following Web site:

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Dialogue and Discussion  
Selected Responses

## **Resources for the African Countries**



**Scale Three: Develop64(a4m)s**