

Lesson 3/3 in Food Security and Environmental Change in Africa

| Lesson Title: | Grade: | Subject: | Time: | Unit: | Topic: | Cross-Curricular Components: |
|--|--------|---|------------|---|---------------|------------------------------|
| Culminating Task: Environmental Scrapbook | 11 | Social Studies | 75 minutes | Natural Resource Science and Management | Food Security | Language Arts |
| URL: http://www.cpar.ca/CPAR/media/PDF/Tools%20for%20Learning/Saskatchewan/SS20-Unit3-Food Security and Environmental Change In Africa.pdf | | | | | | |
| Lesson Description: In this lesson, students will be given class time to work on their culminating assignment. Students will create an environmental scrapbook that demonstrates the connection between resource management, ecosystem health and the health of individuals. The scrapbook will contain, newspaper articles, images, etc. that are specific to Africa. Students will include a one paragraph write-up for each item which describes the item's relevance to the themes of resource management, healthy ecosystems and healthy communities. | | Curriculum Outcomes: Overall Expectations: E1) Assess the environmental impact of the harvesting and/or extraction of resources, including ways of reducing this impact, and analyse threats to the sustainability of natural resources E3) Demonstrate an understanding of the sustainable use of resources and its relationship to the biodiversity and sustainability of ecosystems. Specific Expectations: E1.1) Assess the environmental impact of industrial practices related to the extracting or harvesting of natural resources, and describe ways in which that impact can be monitored and minimized [AI, C] E3.2) Describe the characteristics and properties that make a natural resource viable for use (e.g., the size, type, and location of trees; the value, location, and extraction and processing costs of minerals), and explain the importance of managing natural resources to ensure sustainability and biodiversity E3.3) describe a variety of methods used to extract or harvest natural resources (e.g., drag nets, strip mining, selective cutting of forests) E3.5) explain the importance of biodiversity to the sustainability of life within an ecosystem (e.g., variability among biotic and abiotic factors within an ecosystem decreases the chance that any organism within that ecosystem will become extinct) | | | | |
| Materials: - Book library/computer lab (optional) - Make photocopies of student handouts 'Culminating Activity: Environmental Scrapbook' - Construction paper - Markers - Scissors - Glue | | Assessment: - Teacher-given quiz - Class participation in discussions - Evaluation of scrapbook | | | | |

Procedure

Before:

1. Review

- Teacher will briefly review the topics discussed during last class
- Teacher should focus on any misconceptions that students expressed on their exit slip

During:

2. Whole Class: Culminating Task - Environmental Scrapbook

- Teacher will distribute the culminating activity assignment handouts
- Teacher will go over instructions and rubric with all students
- Teacher will assign due-date for Environmental Scrapbook
- Students should be encouraged to refer back to their handouts and notes from previous classes

After:

3. Individual: Culminating Activity work period

- Students will be given the remainder of class time to work on their culminating activity (time can be given in library/computer lab if booked)
- Teacher should provide students with materials and resources (e.g. books, markers, paper etc.)
- Teacher should circulate the room and regularly check in with students.

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