Teacher(s): John A. Dickenson

Grade(s): 11-12

Subject(s): AP Environmental Science

Title of Lesson: Concept Map/Systems Diagram for Environmental Sciences/Science Studies

Learning Objectives:

To discuss/brainstorm with students the types of topics or resources to be included within the Environmental Sciences curriculum & to appreciate the interconnectivity of these disparate topics.

Standards Addressed:

Lesson Outline:
Learning Strategies:

Each topic would have to be explored separately with all of its
own complexities, but always keeping in mind how interwoven
the separate components are. I would like each topic to be explored in the context of local & state impacts, but also recognize the need for discussion and research... Environmental science is a great vehicle for learning a lot of geography.

Science Concept(s):

- Necessity: variables & effects
- Human populations & wealth distribution
- Cultural values play roles in environmental resource management
- Standard of living as an environmental variable

Humanities Concept(s):

- Journaling - a quarterly journal of "environment in the news," assignments to explore local or regional environmental topics (agriculture, water conservation, climate change, etc.)

Benefit to my students:

- To develop local, regional, and global awareness of environmental issues and to understand how individual actions, lifestyles, interact

Resources and Materials (supplies needed for activities):

- Field trips
- Speakers
- Some lab materials

See above: