

TAC Lesson Plan Template

Name: J.Minton	School/Grade/Subject: RES/8th/Science	Date: June 2015
Lesson Title: Human v. Environmental Impact		
Standards & Objectives: SLS 1: . Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 8 topics, texts, and issues, building on others' ideas and expressing their own clearly. W 6: Use technology, including the Internet, to produce and publish writing and present the relationships between information and ideas efficiently as well as to interact and collaborate with others. 8.91 Explain patterns of agricultural and industrial development after the Civil War as they relate to climate, use of natural resources, markets and trade and the location of such development on a map. GLE 0807.Inq.2 Use appropriate tools and techniques to gather, organize, analyze, and interpret data. GLE 0807.T/E.1 Explore how technology responds to social, political, and economic needs.		
Tools/Resources Needed For Lesson: Map of China Map of United States Article with graphs, charts, and solar radiation Colored Pencils Paper		
Lesson Summary: Students will be working with an article that contains maps of China and the United States in which a similar area of solar radiation is compared. Students will be using the graphs, charts, and maps to construct comparison maps of China and the United States, in order to draw some conclusion about where to put in solar energy projects and justify their placement based on the human and environmental impact of their plans. Digital: N/A Non-Digital: Maps of China/United States Article with graphs, charts, and solar radiation from <u>The Power of Renewables: Opportunitites and Challenges for China and the United States.</u>		
Collaboration: Students will work with a partner to create a comparison map of China v. the United States, then write up a justification of whether future projects in solar energy are good ideas or not (noting the human and the environmental impacts).		
Back-Up Plan: N/A		

Assessment/Outcome:

The China and United States Maps are one assessment. The solar energy project plan is with the write-up is the main assessment because students have to defend their project ideas based on the human and environmental impacts.

Reflection: