



ENERGY DAY CURRICULUM IDEAS-SOCIAL STUDIES

Topic	Elementary	Middle School	High School
So1 The Shirt Off Your Back	X	X	X
So2 Energy and World Change		X	X
So3 Your Ecological Footprint		X	X
So4 The Common Market		X	X
So5 Mapping Energy		X	X
So6 Energy Bills		X	X
So7 Rural Electrification		X	X
So8 A Changing World			X
So9 Clean Air			X

So1 The Shirt Off Your Back

Investigate marketing. Where do your clothes come from (check the tags). Map the locations with pins on a world map. Discuss how economics and transportation of goods is affected by tariffs (such as NAFTA) and other international agreements.

Resources, map links

<http://www.nationalgeographic.com/xpeditions/lessons/03/g912/trade.html>

<http://www.nationalgeographic.com/xpeditions/lessons/11/gk2/belongings.html>

<http://www.nationalgeographic.com/xpeditions/lessons/11/g35/belongings.html>

<http://www.nationalgeographic.com/xpeditions/lessons/11/g35/ontheroad.html>

<http://www.nationalgeographic.com/xpeditions/lessons/11/g68/products.html>

So2 Energy and World Change

Read articles on how energy was used in the past and discuss with your classmates. How have transportation, industry and population been linked with energy? Compare maps over the last 2-3 centuries. Discuss energy's role in how the world has changed.

Articles

So3 Your Ecological Footprint

Compare energy use in developed countries with that in the developing world. Investigate your "ecological footprint." What steps will be needed to create sustainable development?

Resources

So4 The Common Market

Trace the energy needed to produce a commonly used product, i.e. milk, cornflakes, blue jeans. Where in the nation or the world do those products come from. Investigate how supermarket produce selections have changed by interviewing people of various ages.

Resources



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So5 Mapping Energy

Locate on a map the sources of coal, oil and natural gas. Trace the routes used to deliver the fuel to refineries and then to customers. Compare the source locations with areas of conflict in the world.

Resources, map links, EIA information, articles

<http://www.eia.doe.gov/cneaf/coal/statepro/imagemap/usaimagemap.htm>

http://www.eia.doe.gov/oil_gas/petroleum/info_glance/petroleum.html

http://www.eia.doe.gov/oil_gas/natural_gas/info_glance/natural_gas.html

<http://www.need.org/needpdf/Geography2001.pdf>

So6 Energy Bills

Follow an energy bill through the legislature. Who originated the bill? Is it in support of industry, government or the environment? Who supported, opposed or amended the bill? Was it passed or defeated?

Resources

http://www.epa.gov/teachers/environmental_laws.htm

So7 Rural Electrification

Investigate the effects of the rural electrification. Would energy use in infrastructures be the same without government support?

Resources, history

<http://www.gbronline.com/radioguy/rural.htm>

<http://newdeal.feri.org/tva/tva10.htm>

Lesson Plan "TVA Electricity for All" <http://newdeal.feri.org/classrm/classtva.htm>

<http://www.mnhs.org/school/historyday/lessons/rea/>

So8 A Changing World

Discuss the economic barriers to changing our current energy use. What jobs/industries/products would be affected? How do you think future technologies will change jobs/industries/products?

Resources

Hold an energy debate: It is the right of Americans to consume more than 25% of the world's oil?

<http://www.nationalgeographic.com/xpeditions/lessons/16/g912/energydebate.html>



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So9 Clean Air

Investigate clean air regulations, how they have changed, and their affect on industry.

Resources

<http://www.enviroliteracy.org/article.php/537.html>

<http://www.enviroliteracy.org/article.php/6.html>

http://www.epa.gov/oar/oaqps/peg_caa/pegcaain.html