

EDUCATIONAL RESOURCES

- General Lesson Plans (K-12)
<http://www.efmr.org/edu/solar2009.pdf>
- Renewable Energy Lesson Plans (K-12)
<http://www.seco.cpa.state.tx.us/schools/infinitepower/lesson-plans.php>
- A Guide to Teaching Renewable Energy in Junior and Senior High School Classrooms
http://www.ucsusa.org/sites/default/files/legacy/assets/documents/clean_energy/renewablesready_fullreport.pdf
- Educational Resources on Renewable Energy (K-12)
 - Resources organized through grade levels of various related topicshttp://www.nrel.gov/education/educational_resources.html
- Solar Energy
 - Middle school Infobookhttp://www.cleanlineenergy.com/sites/cleanline/media/resources/students/renewable/Solar_Energy_Infobook-Middle_School.pdf
- Lesson / Educational Game (Late Elementary to Middle School)
After completing this lesson students will be able to:
 - Explain the importance of the sun to sustain life on earth.
 - Understand the use of energy to living objects and the sun
 - Discuss various solar technologies
 - Discover how solar energy can power a home (Solar Decathlon!)http://www.nea.org/assets/docs/Solar_Energy_Intro_and_Overview.pdf
- Renewable Energy (6-8)
<http://www.nrel.gov/docs/gen/fy01/30927.pdf>
- US Dept of Energy – Exploring Solar Energy Student Guide (5-8)
https://www1.eere.energy.gov/education/pdfs/solar_exploringsolarenergystudent.pdf
- Wealth of information on photovoltaic panels and how they work, as well as sunlight and solar radiation data
<http://www.pveducation.org/pvcdrom/introduction/solar-energy>

VIDEOS

- Bill Nye the Science Guy
How Stuff Works: Solar Energy (2:53)
<https://www.youtube.com/watch?v=av24fEMhDoU>
- Brainpop
<https://www.brainpop.com/science/energy/solarenergy/>
- Energy Literacy
<https://energy.gov/eere/education/downloads/energy-literacy-videos>
- ENERGY 101: Solar PV
Video from the U.S. Department of Energy explaining how PV panels convert energy into the sun (2:00)
<https://www.youtube.com/watch?v=0elhIcPVtKE&list=SPACD8E92715335CB2&index=5%20>