



## Teachers

# Geothermal Power Resource Guide

DTE Energy has compiled a list of relevant educational resources on geothermal energy. Many curriculum guides, activities and interactive sites exist to aid teachers develop lesson plans for teaching students about geothermal energy.

### Basic Geothermal Information:

**The National Renewable Energy Laboratory** offers an overview of geothermal basics.

[http://www.nrel.gov/learning/re\\_geothermal.html](http://www.nrel.gov/learning/re_geothermal.html)

**The Idaho National Laboratory** is the lead laboratory for the DOE Geothermal Energy Program's geoscience research. The site provides in-depth technical information about geothermal projects across the United States.

<https://inlportal.inl.gov/portal/server.pt/community/geothermal/422/>

**Earth Energy Society of Canada** is dedicated to utilizing geothermal heat to provide space heating and cooling. This site gives an overview of geothermal technology in heat pumps.

<http://www.earthenergy.ca/tech.html>

### Educational Resources:

**Energy Kids** is a children's web site presented by the U.S. Energy Information Administration. Teachers will find lesson plans on renewable energy, games and activities, and information suited for students K-12.

Teacher's Resource Guide: <http://tonto.eia.doe.gov/kids/energy.cfm?page=Plans>

Kid's Geothermal Homepage:

[http://tonto.eia.doe.gov/kids/energy.cfm?page=geothermal\\_home-basics](http://tonto.eia.doe.gov/kids/energy.cfm?page=geothermal_home-basics)



**The U.S. Department of Energy** basic information on geothermal projects and a lesson plan resource guide.

Geothermal Basics: [http://www1.eere.energy.gov/geothermal/geothermal\\_basics.html](http://www1.eere.energy.gov/geothermal/geothermal_basics.html)

Lesson Plan Resource Guide: <http://www1.eere.energy.gov/education/lessonplans/>

**The U.S. Department of Energy** is offering grants to middle-schools, high schools, and colleges and universities for used energy-related laboratory equipment. More information can be found through the official website listed below.

<http://www.osti.gov/erle/>

**Alternative Energy** has great basic information on renewable energy technologies, including geothermal.

<http://www.altenergy.org/renewables/geothermal.html>

**Energy for Educators** is an online source for lesson plans on renewable energy offered by the Idaho National Laboratory. Lesson plans on geothermal energy exist for intermediate level students.

<http://www.energyforeducators.org/lessonplanstopic/Geothermal.shtml>

*Teachers are encouraged to take a look at DTE Energy's facts and activities on geothermal energy for kids for more information and links to educational materials. In addition, the teachers may refer to DTE Energy's Energy Basics Teacher Resource Guide.*