



## Heat Energy Transfers Lessons

### Websites

#### [How Do Mood Rings Work?](http://www.howstuffworks.com/question443.htm)

This site explains how the heat energy generated by the body makes a mood ring change color.  
( <http://www.howstuffworks.com/question443.htm> )

#### [Insulation and Weatherization](http://progress-energy.com/custservice/carres/energytips/aecfaq4-weatherization.pdf)

This site provides information on insulation.  
( <http://progress-energy.com/custservice/carres/energytips/aecfaq4-weatherization.pdf> )

#### [Daniel Fahrenheit, Anders Celsius Left Their Marks](http://www.gi.alaska.edu/ScienceForum/ASF13/1317.html)

This site provides background information on the Fahrenheit and Celsius temperature scales.  
( <http://www.gi.alaska.edu/ScienceForum/ASF13/1317.html> )

#### [The Mysteries and Myths of Heat: A Brief History of Hot and Cold](http://www.infinite-energy.com/iemagazine/issue37/mysteries.html)

This site provides a nice reference for teachers on the history of the science of heat energy.  
( <http://www.infinite-energy.com/iemagazine/issue37/mysteries.html> )

#### [NCES Kids' Zone: Create a Graph](http://nces.ed.gov/nceskids/createagraph/)

This site enables students to enter data to create an assortment of graphs.  
( <http://nces.ed.gov/nceskids/createagraph/> )



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### Books

#### **Conductors and Insulators**

By Angela Royston. (2003, Heinemann Library)

This book for early elementary readers provides an introduction to conductors and insulators.

#### **Temperature: Heating Up and Cooling Down**

By Darlene Stille and Sheree Boyd. (2004, Picture Window Books)

This book provides students with an understanding of how a blanket keeps them warm.

#### **Is the Temperature Rising? The Uncertain Science of Global Warming**

By S. George Philander. (2000, Princeton University Press)

This reference book for teachers provides nice background information on the debate over global warming.

#### **Really Hot Science Projects with Temperature: How Hot Is It? How Cold Is It?**

By Robert Gardner. (2003, Enslow Publishers, Inc.)

This book provides students with a variety of ways to measure the transfer of heat energy in the world around them.

#### **Rising Temperatures of the Past and Future**

By Karen Donnelly. (2003, Rosen Publishing Group)

This book describes the causes of global warming, as well as information about El Nino, volcanoes, how global warming may affect wildlife and plants, and why temperature change matters.

#### **Temperature**

By Joy Frisch. (2003, Smart Apple Media)

This book introduces temperature and how it is measured. It also addresses future environmental concerns such as global warming.