
For Teachers:
Alignment to Curriculum Frameworks

Note: Lesson plans in this series are aligned to one or more of the following sets of standards:

- U.S. Next Generation Science Standards (www.nextgenscience.org)
- U.S. Common Core State Standards for Mathematics (www.corestandards.org/Math)
- International Technology Education Association's Standards for Technological Literacy (<http://www.iteea.org/TAA/PDFs/xstnd.pdf>)
- Computer Science Teachers Association K-12 Computer Science Standards (<http://csta.acm.org/Curriculum/sub/K12Standards.html>)

◆Next Generation Science Standards

4-PS3-4 Energy

- ◆ Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.

MS-PS3-3 Energy

- ◆ Apply scientific principles to design, construct, and test a device that either minimizes or maximizes thermal energy transfer.

◆Standards for Technological Literacy (All Ages)

Technology and Society

- ◆ Standard 5. Students will develop an understanding of the effects of technology on the environment.

Design

- ◆ Standard 9: Students will develop an understanding of engineering design.
- ◆ Standard 10: Students will develop an understanding of the role of troubleshooting, research and development, invention and innovation, and experimentation in problem solving.

The Designed World

- ◆ Standard 16: Students will develop an understanding of and be able to select and use energy and power technologies.

Solar Power

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