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/TAAPDFs/xstnd.pdf)
- Computer Science Teachers Association K-12 Computer Science Standards (http://csta.acm.org/Curriculum/sub/K12Standards.html)

◆ Next Generation Science Standards - Grades K-2 (Ages 5-8)
  K-PS3-1 Energy
  ◆ Make observations to determine the effect of sunlight on Earth’s surface/
  K-PS3-2 Energy
  ◆ Use tools and materials to design and build a structure that will reduce the warming effect of sunlight on Earth’s surface.
  K-2-ETS1-1 Engineering Design
  ◆ Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.
  K-2-ETS1-2 Engineering Design
  ◆ Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem.

◆ Next Generation Science Standards - Grades K-2 (Ages 5-8)
  K-2-ETS1-1 Engineering Design
  ◆ Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.
  K-2-ETS1-2 Engineering Design
  ◆ Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem.