

SUNSHINE STATE STANDARDS
Grades 3 through 5
Heat and Energy Video and Teacher's Guide
VISUAL LEARNING COMPANY
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***Heat and Energy* video:**

Students will be introduced to some of the different forms of energy, including heat energy. Students will explore how molecular movement is related to temperature, and how temperature can be measured. Important terminology includes: thermometer, thermal energy, kinetic energy, potential energy, energy conversion, molecules and heat.

The program titled *Heat and Energy* correlates to the Sunshine State Standards for elementary science as follows:

Science Grades 3 – 5

Energy

Standard 1:

The student recognizes that energy may be changed in form with varying efficiency.
(SC.B.1.2)

- Recognizes various forms of energy (e.g., heat, light, and electricity).
- Knows the many ways in which energy can be transformed from one type to another.
- Knows that various forms of energy (e.g., mechanical, chemical electric, magnetic, nuclear, and radiant) can be measured in ways that make it possible to determine the amount of energy that is transformed.
- Knows that heat can move from one object to another.