

California Education Standards

6th Grade Science Standards:

4. Energy in the Earth System

- a) Students know the sun is major source of energy for phenomena on Earth's surface: it powers wind, ocean currents, and the water cycle.
- b) Students know solar energy reaches Earth through radiation, mostly in the form of visible light.

7. Investigations and Experimentation

- a) Develop a hypothesis
- b) Select and use appropriate tools and technology
- e) Recognize whether evidence is consistent with a proposed explanation.
- f) Read a topographic map and a geologic map for evidence provided on the maps and construct and interpret a simple scale map.
- g) Interpret events by sequence and time from natural phenomena
- f) Identify changes in natural phenomena over time without manipulating the phenomena.

7th Grade Science Standards:

4. Earth and Life History

- a) Students know Earth processes today are similar to those that occurred in the past and slow geologic processes have large cumulative effects over long periods of time.

6. Physical principles in Living Systems

- a) Students know visible light is a small band within a very broad electromagnetic spectrum.



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7. Investigations and Experimentation

- a) Select and use appropriate tools and technology
- d) Construct scale models, maps and appropriately labeled diagrams to communicate scientific knowledge.

8th Grade Science Standards

9) Investigation and Experimentation

- a) Evaluate the accuracy and reproducibility of data.
- b) Investigate a science-based societal issue by researching the literature, analyzing data, and communicating the findings. Examples of issues include irradiation of food, cloning of animals by somatic cell nuclear transfer, choice of energy sources, and land and water use decisions in California.

