

Florida Project Learning Tree Sunshine State Standards linkages for grades PreK-2, 3-5, and 6-8: SUNLIGHT AND SHADES OF GREEN (#42: pp. 137-138 in old edition *PreK-8 Activity Guide*; pp. 182-184 new edition)

Subject Area: Language Arts

Strand: Listening, Viewing, and Speaking

Standard 1: The student uses listening strategies effectively.

- **Grades PreK-2** – Benchmark: listens for a variety of informational purposes, including curiosity, pleasure, getting directions, performing tasks, solving problems, and following rules. [LA.C.1.1.1]
- **Grades 3-5** – Benchmark: listens and responds to a variety of oral presentations, such as stories, poems, skits, songs, personal accounts, and informational speeches. [LA.C.1.2.1]
- **Grades 6-8** – Benchmark: listens and uses information gained for a variety of purposes, such as gaining information from interviews, following directions, and pursuing a personal interest. [LA.C.1.3.1]

Subject Area: Science

Strand: The Nature of Matter

Standard 1: The student understands that all matter has observable, measurable properties.

- **Grades PreK-2** – Benchmark: knows that objects can be described, classified, and compared by their composition (e.g., wood or metal) and their physical properties (e.g., color, size, and shape). [SC.A.1.1.1]
- **Grades PreK-2** – Benchmark: verifies that things can be done to materials to change some of their physical properties (e.g., cutting, heating, and freezing), but not all materials respond the same way (e.g., heating causes water to boil and sugar to melt). [SC.A.1.1.3]
- **Grades 3-5** – Benchmark: knows that materials made by chemically combining two or more substances may have properties that differ from the original materials. [SC.A.1.2.5]
- **Grades 6-8** – Benchmark: knows the difference between a physical change in a substance (i.e., altering the shape, form, volume, or density) and a chemical change (i.e., producing new substances with different characteristics). [SC.A.1.3.5]

Strand: Processes of Life

Standard 1: The student describes patterns of structure and function in living things.

- **Grades PreK-2** – Benchmark: understands that structures of living things are adapted to their function in specific environments. [SC.F.1.1.4]
- **Grades 3-5 and Grades 6-8:** No applicable benchmarks

Strand: How Living Things Interact with Their Environment

Standard 1: The student understands the competitive, interdependent, cyclic nature of living things in the environment.

- **Grades PreK-2:** No applicable benchmark
- **Grades 3-5** – Benchmark: knows that living things compete in a climatic region with other living things and that structural adaptations make them fit for an environment. [SC.G.1.2.2]
- **Grades 3-5** – Benchmark: knows that green plants use carbon dioxide, water, and sunlight energy to turn minerals and nutrients into food for growth, maintenance, and reproduction. [SC.G.1.2.3]
- **Grades 3-5** – Benchmark: knows that variations in light, water, temperature, and soil content are largely responsible for the existence of different kinds of organisms and population densities in an ecosystem. [SC.G.1.2.7]
- **Grades 6-8:** No applicable benchmark