

**Florida Project Learning Tree Sunshine State Standards linkages for grades PreK-2, 3-5, 6-8, and 9-12: EVERY TREE FOR ITSELF (#27; pp. 83-84 in old edition *PreK-8 Activity Guide*; pp. 117-119 new edition)**

**Subject Area: Mathematics**

**Strand: Data Analysis and Probability**

**Standard 3:** The student uses statistical methods to make inferences and valid arguments about real-world situations.

- **Grades PreK-2:** No applicable benchmark
- **Grades 3-5 – Benchmark:** designs experiments to answer class or personal questions, collects information, and interprets the results using statistics (range, mean, median, and mode) and pictographs, charts, bar graphs, circle graphs, and line graphs. [MA.E.3.2.1]
- **Grades 3-5 – Benchmark:** uses statistical data about life situations to make predictions and justifies reasoning. [MA.E.3.2.2]
- **Grades 6-8 – Benchmark:** formulates hypotheses, designs experiments, collects and interprets data, and evaluates hypotheses by making inferences and drawing conclusions based on statistics (range, mean, median, and mode) and tables, graphs, and charts. [MA.E.3.3.1]
- **Grades 9-12 – Benchmark:** designs and performs real-world statistical experiments that involve more than one variable, then analyzes results and reports findings. [MA.E.3.4.1]

**Subject Area: Science**

**Strand: Energy**

**Standard 2:** The student understands the interaction of matter and energy.

- **Grades PreK-2:** No applicable benchmark
- **Grades 3-5 – Benchmark:** knows that some source of energy is needed for organisms to stay alive and grow. [SC.B.2.2.1]
- **Grades 6-8 and Grades 9-12:** No applicable benchmarks

**Strand: Processes of Life**

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

- **Grades PreK-2 – Benchmark:** knows the basic needs of all living things. [SC.F.1.1.1]
- **Grades 3-5, Grades 6-8, and Grades 9-12:** 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 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 6-8** – Benchmark: knows that life is maintained by a continuous input of energy from the sun and by the recycling of the atoms that make up the molecules of living organisms. [SC.G.1.3.5]
- **Grades 9-12** – Benchmark: knows of the great diversity and interdependence of living things. [SC.G.1.4.1]

**Standard 2:** The student understands the consequences of using limited natural resources.

- **Grades PreK-2** – Benchmark: knows that if living things do not get food, water, shelter, and space, they will die. [SC.G.2.1.1]
- **Grades 3-5, Grades 6-8, and Grades 9-12:** No applicable benchmarks

## **Strand: The Nature of Science**

**Standard 1:** The student uses the scientific processes and habits of mind to solve problems.

- **Grades PreK-2:** No applicable benchmark
- **Grades 3-5** – Benchmark: knows that a model of something is different from the real thing, but can be used to learn something about the real thing. [SC.H.1.2.5]
- **Grades 6-8 and Grades 9-12:** No applicable benchmarks