

**Florida Project Learning Tree Sunshine State Standards linkages for grades PreK-2, 3-5, 6-8, and 9-12: PASS THE PLANTS, PLEASE (#16; pp. 50-53 in old edition *PreK-8 Activity Guide*; pp. 77-81 new edition)**

**Subject Area: Language Arts**

**Strand: Reading**

**Standard 2:** The student constructs meaning from a wide range of texts.

- **Grades PreK-2:** No applicable benchmark
- **Grades 3-5 – Benchmark:** selects and uses a variety of appropriate reference materials, including multiple representations of information, such as maps, charts and photos, to gather information for research projects. [LA.A.2.2.8]
- **Grades 6-8 – Benchmark:** uses a variety of reference materials, including indexes, magazines, newspapers, and journals; and tools, including card catalogs and computer catalogs, to gather information for research topics. [LA.A.2.3.6]
- **Grades 9-12 – Benchmark:** locates, gathers, analyzes, and evaluates written information for a variety of purposes, including research projects, real-world tasks, and self-improvement. [LA.A.2.4.4]

**Subject Area: Mathematics**

**Strand: Data Analysis and Probability**

**Standard 1:** The student understands and uses the tools of data analysis for managing information.

- **Grades PreK-2:** No applicable benchmark
- **Grades 3-5 – Benchmark:** solves problems by generating, collecting, organizing, displaying, and analyzing data using histograms, bar graphs, circle graphs, line graphs, pictographs, and charts. [MA.E.1.2.1]
- **Grades 6-8 – Benchmark:** collects, organizes, and displays data in a variety of forms, including tables, line graphs, charts, bar graphs, to determine how different ways of presenting data can lead to different interpretations. [MA.E.1.3.1]
- **Grades 9-12 – Benchmark:** interprets data that has been collected, organized, and displayed in charts, tables, and plots. [MA.E.1.4.1]

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

- **Grades PreK-2 and Grades 9-12:** No applicable benchmarks
- **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 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]

## **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 3-5, 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: compares and describes the structural characteristics of plants and animals. [SC.F.1.1.5]
- **Grades 3-5** – Benchmark: knows that living things are different but share similar structures. [SC.F.1.2.3]
- **Grades 6-8** – Benchmark: knows that the cells with similar functions have similar structures, whereas those with different structures have different functions. [SC.F.1.3.6]
- **Grades 9-12:** No applicable benchmark

## **Subject Area: Social Studies**

### **Strand: People, Places, and Environments (Geography)**

**Standard 2:** The student understands the interactions of people and the physical environment.

- **Grades PreK-2** – Benchmark: knows basic needs and how families in the U.S. and other countries meet them. [SS.B.2.1.3]
- **Grades 3-5, Grades 6-8, and Grades 9-12:** No applicable benchmarks

## **Subject Area: Health Education & Physical Education – Health Education**

### **Strand: Health Literacy**

**Standard 1:** The student comprehends concepts related to health promotion and disease prevention.

- **Grades PreK-2** – Benchmark: classifies food and food combinations according to the Food Guide Pyramid. [HE.A.1.1.9]
- **Grades 3-5** – Benchmark: knows the nutritional values of different foods. [HE.A.1.2.10]
- **Grades 6-8 and Grades 9-12:** No applicable benchmarks