

**Florida Project Learning Tree Sunshine State Standards linkages for grades PreK-2, 3-5, 6-8, and 9-12: SOUNDS AROUND (#4; pp. 9-12 in old edition *PreK-8 Activity Guide*; pp. 26-30 new edition)**

**Subject Area: Language Arts**

**Strand: Reading**

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

- **Grades 6-8** – Benchmark: determines the main idea or essential message in a text and identifies relevant details and facts and patterns of organization. (met during “Enrichment” segment of activity) [LA.A.2.3.1]
- **Grades PreK-2, Grades 3-5, and Grades 9-12:** No applicable benchmarks

**Strand: Writing**

**Standard 2:** The student writes to communicate ideas and information effectively.

- **Grades 3-5** – Benchmark: creates narratives in which ideas, details, and events are in a logical order and are relevant to the story line. (met during “Enrichment” segment of activity) [LA.B.2.2.5]
- **Grades PreK-2, Grades 6-8, and Grades 9-12:** No applicable benchmarks

**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 PreK-2** – Benchmark: retells specific details of information heard, including sequence of events. [LA.C.1.1.4]
- **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 and Grades 9-12:** No applicable benchmarks

**Strand: Literature**

**Standard 2:** The student responds critically to fiction, nonfiction, poetry, and drama.

- **Grades PreK-2 and Grades 3-5:** No applicable benchmarks
- **Grades 6-8** – Benchmark: responds to a work of literature by interpreting selected phrases, sentences, or passages and applying the information to personal life. (met during “Enrichment” segment of activity) [LA.E.2.3.2]
- **Grades 9-12** – Benchmark: examines a literary selection from several critical perspectives. (met during “Enrichment” segment of activity) [LA.E.2.3.7]

## Subject Area: Mathematics

### Strand: Measurement

**Standard 1:** The student measures quantities in the real world and uses the measures to solve problems.

- **Grades 3-5** – Benchmark: solves real-world problems involving length, weight, perimeter, area, capacity, volume, time, temperature, and angles. [MA.B.1.2.2]

**Standard 2:** The student compares, contrasts, and converts within systems of measurement (both standard/nonstandard and metric/customary).

- **Grades 3-5** – Benchmark: uses direct (measured) and indirect (not measured) measures to calculate and compare measurable characteristics. [MA.B.2.2.1]

**Standard 4:** The student selects and uses appropriate units and instruments for measurement to achieve the degree of precision and accuracy required in real-world situations.

- **Grades 3-5** – Benchmark: selects and uses appropriate instruments and technology, including scales, rulers, thermometers, measuring cups, protractors, and gauges, to measure in real-world situations. [MA.B.4.2.2]
- **Grades 6-8** – Benchmark: selects and uses appropriate instruments, technology, and techniques to measure quantities in order to achieve specified degrees of accuracy in a problem situation. [MA.B.4.3.2]
- **Grades 9-12** – Benchmark: selects and uses appropriate instruments, technology, and techniques to measure quantities in order to achieve specified degrees of accuracy in a problem situation. [MA.B.4.4.2]

### Strand: Data Analysis and Probability

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

- **Grades PreK-2** – Benchmark: displays solutions to problems by generating, collecting, organizing, and analyzing data using simple graphs and charts. [MA.E.1.1.1]
- **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 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]

## **Subject Area: Science**

### **Strand: Force and Motion**

**Standard 1:** The student understands that types of motion may be described, measured, and predicted.

- **Grades 3-5** - Benchmark: knows that waves travel at different speeds through different materials. [SC.C.1.2.2]
- **Grades 6-8** – Benchmark: knows that vibrations in materials set up wave disturbances that spread away from the source (e.g., sound and earthquake waves). [SC.C.1.3.2]
- **Grades PreK-2 and Grades 9-12:** No applicable benchmarks

**Standard 2:** The student understands that the types of force that act on an object and the effect of that force can be described, measured, and predicted.

- **Grades PreK-2** – Benchmark: knows that sound is caused by vibrations (pushing and pulling) to cause waves. [SC.C.2.1.2]
- **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: 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.
- **Grades 9-12** – Benchmark: knows that body structures are uniquely designed and adapted for their function. [SC.F.1.4.2]

### **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 and Grades 9-12:** No applicable benchmarks
- **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 6-8** – Benchmark: knows that biological adaptations include changes in structures, behaviors, or physiology that enhance reproductive success in a particular environment. [SC.G.1.3.2]

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

- **Grades 3-5** – Benchmark: understands that changes in the habitat of an organism may be beneficial or harmful. [SC.G.2.2.3]

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

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

- **Grades PreK-2** – Benchmark: uses the senses, tools, and instruments to obtain information from his or her surroundings. [SC.H.1.1.5]
- **Grades 3-5, Grades 6-8, and Grades 9-12:** No applicable benchmarks

## **Subject Area: Social Studies**

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

**Standard 1:** The student understands the world in spatial terms.

- **Grades 3-5** – Benchmark: uses maps, globes, charts, graphs, and other geographic tools including map keys and symbols to gather and interpret data and to draw conclusions about physical patterns. [SS.B.1.2.1]
- **Grades PreK-2, Grades 6-8, and Grades 9-12:** No applicable benchmarks

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

- **Grades 3-5** – Benchmark: understands how the physical environment supports and constrains human activities. [SS.B.2.2.2]
- **Grades 3-5** – Benchmark: understands how human activity affects the physical environment. [SS.B.2.2.3]
- **Grades 6-8** – Benchmark: understands how the interaction between physical and human systems affects current conditions on Earth. [SS.B.2.3.9]
- **Grades PreK-2 and Grades 9-12:** No applicable benchmarks