

**Florida Project Learning Tree Sunshine State Standards linkages for grades PreK-2, 3-5, and 6-8: BIRDS AND WORMS (#25; pp. 77-78 in old edition *PreK-8 Activity Guide*; pp. 111-112 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** – Benchmark: designs a simple experiment to answer a class question, collects appropriate information, and interprets the results using graphical displays of information, such as line graphs, pictographs, and charts. [MA.E.3.1.1]
- **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 and Grades 6-8:** 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

**Standard 2:** The student understands the process and importance of genetic diversity.

- **Grades PreK-2 and Grades 3-5:** No applicable benchmarks
- **Grades 6-8** – Benchmark: knows that generally organisms in a population live long enough to reproduce because they have survival characteristics. [SC.F.2.3.3]

**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 ways that plants, animals, and protists interact. [SC.G.1.2.1]
- **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 PreK-2:** No applicable benchmark
- **Grades 3-5** – Benchmark: knows that all living things must compete for Earth's limited resources; organisms best adapted to compete for the available resources will be successful and pass their adaptations (traits) to their offspring. [SC.G.2.2.1]
- **Grades 6-8:** No applicable benchmark

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

**Strand: Responsible Physical Activity Behaviors**

**Standard 2:** The student demonstrates responsible personal and social behavior in physical activity.

- **Grades PreK-2** – Benchmark: follows directions given by instructor or group leader. [PE.B.2.1.2]
- **Grades 3-5 and Grades 6-8:** No applicable benchmarks