

Florida Project Learning Tree Sunshine State Standards linkages for grades PreK-2, 3-5, and 6-8: TALKING TRASH, NOT! (#37; pp. 119-121 in old edition *PreK-8 Activity Guide*; part of REDUCE, REUSE, RECYCLE pp. 159-162 in new edition)

Subject Area: Mathematics

Strand: Number Sense, Concepts, and Operations

Standard 3: The student understands the effects of operations on numbers and the relationships among these operations, selects appropriate operations, and computes for problem solving.

- **Grades PreK-2 and Grades 3-5:** No applicable benchmarks
- **Grades 6-8** – Benchmark: selects the appropriate operation to solve problems involving addition, subtraction, multiplication, and division of rational numbers, ratios, proportions, and percents, including the appropriate application of the algebraic order of operations. [MA.A.3.3.2]

Standard 4: The student uses estimation in problem solving and computation.

- **Grades PreK-2** – Benchmark: provides and justifies estimates for real-world quantities. [MA.A.4.1.1]
- **Grades 3-5 and Grades 6-8:** No applicable benchmarks

Strand: Measurement

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

- **Grades PreK-2:** No applicable benchmark
- **Grades 3-5** – Benchmark: solves real-world problems involving length, weight, perimeter, area, capacity, volume, time, temperature, and angles. [MA.B.1.2.2]
- **Grades 6-8:** No applicable benchmark

Standard 3: The student estimates measurements in real-world problem situations.

- **Grades PreK-2:** No applicable benchmark
- **Grades 3-5** – Benchmark: solves real-world problems involving estimates of measurements, including length, time, weight, temperature, money, perimeter, area, and volume. [MA.B.3.2.1]
- **Grades 6-8** – Benchmark: solves real-world and mathematical problems involving estimates of measurements including length, time, weight/mass, temperature, money, perimeter, area, and volume, in either customary or metric units. [MA.B.3.3.1]

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 PreK-2** – Benchmark: selects and uses appropriate instruments, such as scales, rulers, clocks, and technology to measure within customary or metric systems. [MA.B.4.1.2]
- **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 appropriate units of measurement and determines and applies significant digits in a real-world context. (Significant digits should relate to both instrument precision and to the least precise unit of measurement.) [MA.B.4.3.1]

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 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: Processes that Shape the Earth

Standard 2: The student understands the need for protection of the natural system on Earth.

- **Grades PreK-2**– Benchmark: understands that people influence the quality of life of those around them. [SC.D.2.1.1]
- **Grades 3-5** – Benchmark: knows that using, recycling, and reducing the use of natural resources improve and protect the quality of life. [SC.D.2.2.1]
- **Grades 6-8** – Benchmark: knows the positive and negative consequences of human action on the Earth’s systems. [SC.D.2.3.2]

Strand: How Living Things Interact with Their Environment

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

- **Grades PreK-2** – Benchmark: knows that the activities of humans affect plants and animals in many ways. [SC.G.2.1.2]
- **Grades 3-5** – Benchmark: understands that changes in the habitat of an organism may be beneficial or harmful. [SC.G.2.2.3]
- **Grades 6-8** – Benchmark: understands that humans are a part of an ecosystem and their activities may deliberately or inadvertently alter the equilibrium in ecosystems. [SC.G.2.3.4]

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:** No applicable benchmark
- **Grades 3-5** – Benchmark: understands how human activity affects the physical environment. [SS.B.2.2.3]
- **Grades 6-8:** No applicable benchmark