

Florida Project Learning Tree Sunshine State Standards linkages for grades 3-5, 6-8, and 9-12: IN THE DRIVER'S SEAT (#85; pp. 325-327 in old edition *PreK-8 Activity Guide*; pp. 370-374 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 3-5** – Benchmark: adds, subtracts, and multiplies whole numbers, decimals, and fractions, including mixed numbers, and divides whole numbers to solve real-world problems, using appropriate methods of computing, such as mental mathematics, paper and pencil, and calculator. [MA.A.3.2.3]
- **Grades 6-8** – Benchmark: adds, subtracts, multiplies, and divides whole numbers, decimals, and fractions, including mixed numbers, to solve real-world problems, using appropriate methods of computing, such as mental mathematics, paper and pencil, and calculator. [MA.A.3.3.3]
- **Grades 9-12** – Benchmark: adds, subtracts, multiplies, and divides real numbers, including square roots and exponents, using appropriate methods of computing, such as mental mathematics, paper and pencil, and calculator. [MA.A.3.4.3]

Subject Area: Science

Strand: Processes that Shape the Earth

Standard 1: The student recognizes that processes in the lithosphere, atmosphere, hydrosphere, and biosphere interact to shape the Earth.

- **Grades 3-5** and **Grades 6-8:** No applicable benchmarks
- **Grades 9-12** – Benchmark: knows how climatic patterns on Earth result from an interplay of many factors (Earth's topography, its rotation on its axis, solar radiation, the transfer of heat energy where the atmosphere interfaces with lands and oceans, and wind and ocean currents). [SC.D.1.4.1]

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

- **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]
- **Grades 9-12:** No applicable benchmark

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 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 and Grades 9-12:** No applicable benchmarks

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

- **Grades 3-5:** No applicable benchmark
- **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]
- **Grades 9-12** – Benchmark: understands that the amount of life any environment can support is limited and that human activities can change the flow of energy and reduce the fertility of the Earth. [SC.G.2.4.5]
- **Grades 9-12** – Benchmark: knows the ways in which humans today are placing their environmental support systems at risk (e.g., rapid human population growth, environmental degradation, and resource depletion). [SC.G.2.4.6]

Strand: The Nature of Science

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

- **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

Standard 3: The student understands that science, technology, and society are interwoven and interdependent.

- **Grades 3-5 and Grades 6-8:** No applicable benchmarks
- **Grades 9-12** – Benchmark: knows that scientists can bring information, insights, and analytical skills to matters of public concern and help people understand the possible causes and effects of events. [SC.H.3.4.3]

Subject Area: Social Studies

Strand: People, Places, and Environments (Geography)

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

- **Grades 3-5** – Benchmark: understands how human activity affects the physical environment. [SS.B.2.2.3]
- **Grades 3-5** – Benchmark: understands how factors such as population growth, human migration, improved methods of transportation and communication, and economic development affect the use and conservation of natural resources. [SS.B.2.2.4]

- **Grades 6-8:** No applicable benchmarks
- **Grades 9-12** – Benchmark: understands the global of human changes in the physical environment. [SS.B.2.4.4]