

Florida Project Learning Tree Sunshine State Standards linkages for grades 3-5, 6-8, and 9-12: RESOURCE-GO-ROUND (#82; pp. 316-319 in old edition *PreK-8 Activity Guide*; pp. 355-359 new edition)

Subject Area: Language Arts

Strand: Reading

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

- **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: locates, organizes, and interprets written information for a variety of purposes, including classroom research, collaborative decision making, and performing a school or real-world task. [LA.A.2.3.5]
- **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]

Strand: Listening, Viewing, and Speaking

Standard 3: The student uses speaking strategies effectively.

- **Grades 3-5** – Benchmark: speaks for specific occasions, audiences, and purposes, including conversations, discussions, projects, and informational or imaginative presentations. [LA.C.3.2.3]
- **Grades 6-8** – Benchmark: speaks for various occasions, audiences, and purposes, including conversations, discussions, projects, and informational, persuasive, or technical presentations. [LA.C.3.3.3]
- **Grades 9-12** – Benchmark: selects and uses a variety of speaking strategies to clarify meaning and to reflect understanding, interpretation, application, and evaluation of content, processes, or experiences, including asking relevant questions when necessary, making appropriate and meaningful comments, and making insightful observations. [LA.C.3.4.2]

Subject Area: Science

Strand: The Nature of Matter

Standard 1: The student understands that all matter has observable, measurable properties.

- **Grades 3-5** – Benchmark: knows that different materials are made by physically combining substances and that different objects can be made by combining different materials. [SC.A.1.2.4]
- **Grades 6-8 and Grades 9-12:** No applicable benchmarks

Strand: Energy

Standard 1: The student recognizes that energy may be changed in form with varying efficiency.

- **Grades 3-5** – Benchmark: knows how to trace the flow of energy in a system (e.g., as in an ecosystem). [SC.B.1.2.1]
- **Grades 6-8** – Benchmark: knows that energy cannot be created or destroyed, but only changed from one form to another. [SC.B.1.3.2]
- **Grades 9-12** – Benchmark: knows that each source of energy presents advantages and disadvantages to its use in society (e.g., political and economic implications may determine a society's selection of renewable or nonrenewable energy sources). [SC.B.1.4.5]

Standard 2: The student understands the interaction of matter and energy.

- **Grades 3-5** – Benchmark: recognizes the costs and risks to society and the environment posed by the use of nonrenewable energy. [SC.B.2.2.2]
- **Grades 6-8** – Benchmark: knows that most events in the universe (e.g., weather changes, moving cars, and the transfer of a nervous impulse in the human body) involve some form of energy transfer and that these changes almost always increase the total disorder of the system and its surroundings, reducing the amount of useful energy. [SC.B.2.3.1]
- **Grades 6-8** – Benchmark: knows that most of the energy used today is derived from burning stored energy collected by organisms millions of year ago (i.e., nonrenewable fossil fuels). [SC.B.2.3.2]
- **Grades 9-12:** No applicable benchmark

Strand: Processes that Shape the Earth

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

- **Grades 3-5:** No applicable benchmark
- **Grades 6-8** – Benchmark: knows that some resources are renewable and others are nonrenewable. [SC.G.2.3.1]
- **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]

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 6-8** – Benchmark: uses various map forms (including thematic maps) and other geographic representations, tools, and technologies to acquire, process, and report geographic information including patterns of land use, connections between places, and patterns and processes of migration and diffusion. [SS.B.1.3.1]
- **Grades 9-12:** No applicable benchmark

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 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** – Benchmark: knows world patterns of resource distribution and utilization. [SS.B.2.3.8]

Strand: Economics

Standard 1: The student understands how scarcity requires individuals and institutions to make choices about how to use resources.

- **Grades 3-5** – Benchmark: understands that all decisions involve opportunity costs and that making effective decisions involves considering the costs and the benefits associated with alternative choices. [SS.D.1.2.1]
- **Grades 3-5** – Benchmark: understands that scarcity of resources requires choices on many levels, from the individual to societal. [SS.D.1.2.2]
- **Grades 6-8 and Grades 9-12:** No applicable benchmarks