



St. Johns River Water Management District

Water Conservation Activity Book

Correlation to Sunshine State Standards

The following list of Florida Sunshine State Standards (SSS) is covered within the Water Conservation Activity Book. Although the activities in the book will not achieve complete mastery of the SSS listed, they will provide supplemental exercises for students in these areas. Activities have also been structured to assist with preparations for the Florida Comprehensive Assessment Tests in these subject areas.

Language Arts — Grades 3–5

Reading

The student uses the reading process effectively.

- ◆ **LA.A.1.2.1.** Uses a table of contents, index, headings, captions, illustrations, and major words to anticipate or predict content and purpose of the reading selection.
- ◆ **LA.A.1.2.2.** Selects from a variety of simple strategies, including the use of phonics, word structure, context clues, self-questionings, confirming simple predictions, retelling, and using cues, to identify words and construct meaning from various texts, illustrations, graphics, and charts.
- ◆ **LA.A.1.2.4.** Clarifies understanding by rereading, self-correcting, summarizing, checking other sources, and class or group discussion.

The student constructs meaning from a wide range of texts.

- ◆ **LA.A.2.2.2.** Identifies the author's purpose in a simple text.
- ◆ **LA.A.2.2.7.** Recognizes the use of compare and contrast in a text.

Writing

The student writes to communicate ideas and information effectively.

- ◆ **LA.B.2.2.5.** Creates narratives in which ideas, details, and events are in logical order and are relevant to the story line.

Literature

The student responds critically to fiction, nonfiction, poetry, and drama.

- ◆ **LA.E.2.2.4.** Identifies the major theme in a story or nonfiction text.

Mathematics — Grades 3–5

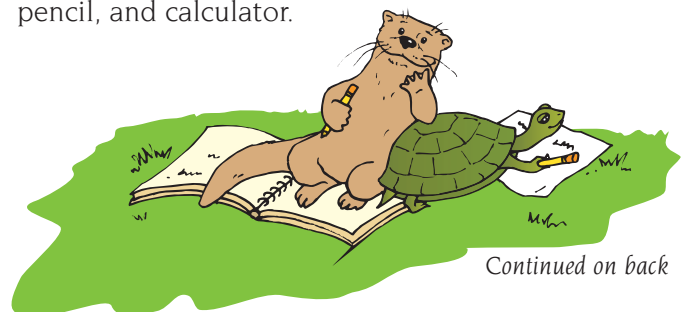
Number Sense, Concepts, and Operations

The student understands the different ways numbers are represented and used in the real world.

- ◆ **MA.A.1.2.1.** Names whole numbers combining 3-digit numeration (hundreds, tens, ones) and the use of number periods, such as ones, thousands, and millions and associates verbal names, written word names, and standard numerals with whole numbers, commonly used fractions, decimals, and percents.
- ◆ **MA.A.1.2.4.** Understands that numbers can be represented in a variety of equivalent forms using whole numbers, decimals, fractions, and percents.

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

- ◆ **MA.A.3.2.2.** Selects the appropriate operation to solve specific problems involving addition, subtraction, and multiplication of whole numbers, decimals, and fractions, and division of whole numbers.
- ◆ **MA.A.3.2.3.** 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.



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Measurement

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

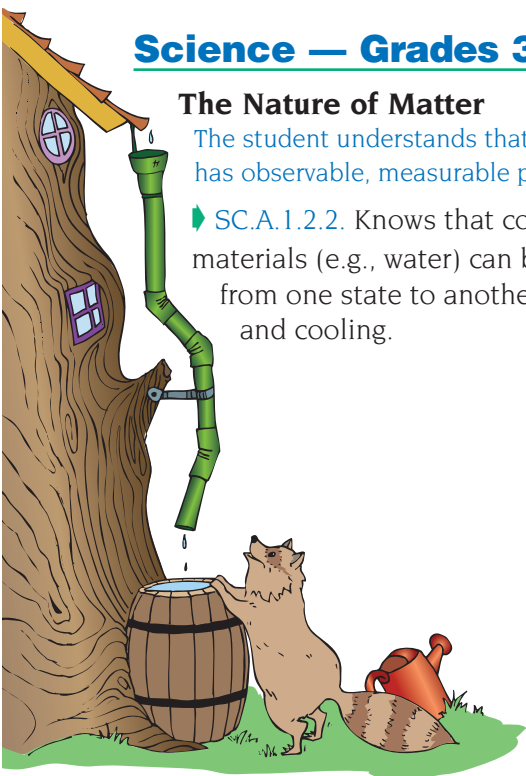
- ▶ **MA.B.1.2.1.** Uses concrete and graphic models to develop procedures for solving problems related to measurement including length, weight, time, temperature, perimeter, area, volume, and angle.
- ▶ **MA.B.1.2.2.** Solves real-world problems involving length, weight, perimeter, area, capacity, volume, time, temperature, and angles.

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

- ▶ **MA.B.2.2.1.** Uses direct (measured) and indirect (not measured) measures to calculate and compare measurable characteristics.
- ▶ **MA.B.2.2.2.** Selects and uses appropriate standard and nonstandard units of measurement, according to type and size.

The student estimates measurements in real-world problem situations.

- ▶ **MA.B.3.2.1.** Solves real-world problems involving estimates of measurements, including length, time, weight, temperature, money, perimeter, area, and volume.



Science — Grades 3–5

The Nature of Matter

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

- ▶ **SC.A.1.2.2.** Knows that common materials (e.g., water) can be changed from one state to another by heating and cooling.

Energy

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

- ▶ **SC.B.1.2.2.** Recognizes various forms of energy (e.g., heat, light, and electricity).

Processes that Shape the Earth

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

- ▶ **SC.D.1.2.2.** Knows that 75 percent of the surface of the Earth is covered by water.
- ▶ **SC.D.1.2.3.** Knows that the water cycle is influenced by temperature, pressure, and the topography of the land.

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

- ▶ **SC.D.2.2.1.** Knows that using, recycling, and reducing the use of natural resources improve and protect the quality of life.

Social Studies — Grades 3–5

People, Places, and Environments

The student understands the world in spatial terms.

- ▶ **SS.B.1.2.1.** 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.

The student understands the interactions of people and the physical environment.

- ▶ **SS.B.2.2.2.** Understands how the physical environment supports and constrains human activities.
- ▶ **SS.B.2.2.3.** Understands how human activity affects the physical environment.
- ▶ **SS.B.2.2.4.** 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.

