SCIENCE

Strand D: Processes that Shape the Earth

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

Benchmarks
SC.D.1.2.1 The student knows that larger rocks can be broken down into smaller rocks, which in turn can be broken down to combine with organic material to form soil.
SCD.1.2.2 The student knows that 75 percent of the surface of the Earth is covered by water.
SC.D.1.2.4 The student knows that the surface of the Earth is in a continuous state of change as waves, weather, and shifts of the land constantly change and produce many new features.
SC.D.1.2.5 The student knows that some changes in the Earth’s surface are due to slow processes and some changes are due to rapid processes.

Strand E: Earth and Space

Standard 1: The student understands the interaction and organization in the Solar System and the universe and how this affects life on Earth.

Benchmarks
SC.E.1.2.1 The student knows that the tilt of the Earth on its own axis as it rotates and revolves around the Sun causes changes in season, length of day, and energy available.
SC.E.1.2.2 The student knows that the combination of the Earth’s movement and the Moon’s own orbit around the Earth results in the appearance of cyclical phases of the Moon.

Strand H: The Nature of Science

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

Benchmarks
SC.H.1.2.1 The student knows that it is important to keep accurate records and descriptions to provide information and clues on causes of discrepancies in repeated experiments.
SC.H.1.2.2 The student knows that a successful method to explore the natural world is to observe and record, and then analyze and communicate the results.
SC.H.1.2.3 The student knows that to work collaboratively, all team members should be free to reach, explain, and justify their own individual conclusions.
SC.H.1.2.4 The student knows that to compare and contrast observations and results is an essential skill in science.

SC.H.1.2.5 The student knows that a model of something is different from the real thing, but can be used to learn something about the real thing.

**Standard 2: The student understands that most natural events occur in comprehensible, consistent patterns.**

**Benchmarks**

SC.H.2.1.1 The student knows that most natural events occur in patterns.
SC.H.2.2.1 The student knows that natural events are often predictable and logical.

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

**Benchmarks**

SCH.3.2.1 The student understands that people, alone or in groups, invent new tools to solve problems and do work that affects aspects of life outside of science.
SC.H.3.2.2 The student knows that data are collected and interpreted in order to explain an event or concept.
SC.H.3.2.3 The student knows that, through the use of science processes and knowledge, people can solve problems, make decisions, and form new ideas.
Strand D: Algebraic Thinking

Standard 1: The student describes, analyzes, and generalizes a wide variety of patterns, relations, and functions.

Benchmark

MA.D.1.2.1 The student describes a wide variety of patterns and relationships through models, such as manipulatives, tables, graphs, rules using algebraic symbols.
LANGUAGE ARTS

Strand A: Reading

Standard 1: The student uses the reading process effectively.

Benchmarks
LA.A.1.1.1  The student predicts what a passage is about based on its title and illustrations.
LA.A.1.1.3  The student uses knowledge of appropriate grade-, age-, and developmental-level vocabulary in reading.
LA.A.1.1.4  The student increases comprehension by rereading, retelling, and discussion.

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

Benchmarks
LA.A.2.1.1  The student determines the main idea or essential message from text and identifies supporting information.
LA.A.2.1.2  The student selects material to read for pleasure.
LA.A.2.1.3  The student reads for information to use in performing a task and learning a new task.

Standard 2: The student writes to communicate ideas and information effectively.

Benchmarks
LA.B.2.1.1  The student writes questions and observations about familiar topics, stories, or new experiences.

Strand C: Listening, Viewing, and Speaking

Standard 1: The student uses listening strategies effectively.

Benchmarks
LA.C.1.1.1  The student listens for a variety of informational purposes, including curiosity, pleasure, getting directions, performing tasks, solving problems, and following rules.
LA.C.1.1.3  The student carries on a conversation with another person, seeking answers and further explanations of the other’s ideas through questioning and answering.

Standard 3: The student uses speaking strategies effectively.

Benchmarks
LA.C.3.1.1  The student speaks clearly and at a volume audible in large- or small-group settings.
LA.C.3.1.2  The student asks questions to seek answers and further explanation of other people’s ideas.

Strand D: Language

Standard 1: The student understands the nature of language.

Benchmark
LA.D.1.1.1  The student recognizes basic patterns in and functions of language (patterns such as characteristic sounds and rhythms and those found in written forms; functions such as asking questions, expressing oneself, describing objects or experience, and explaining).