SCIENCE

**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.

**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.3.21 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 E: Data Analysis and Probability

Standard 1: The student understands and uses the tools of data analysis for managing information.

Benchmark
MA.E.1.2.1 The student solves problems by generating, collecting, organizing, displaying, and analyzing data using histograms, bar graphs, circle graphs, line graphs, pictographs, and charts.
**LANGUAGE ARTS**

**Strand A: Reading**

**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.
- 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 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.