SCIENCE

Strand
• the nature of matter and energy
• processes that shape the earth
• processes of life
• how living things interact with their environment
• the nature of science

Standards
• understands that all water has observable, measurable properties
• recognizes that energy may be changed in form with varying efficiency
• recognizes that processes in the lithosphere, atmosphere, hydrosphere, and biosphere interact to shape the earth
• understands the need for protection of the natural systems on Earth
• describes patterns of structure and function in living things
• understands the competitive, interdependent, cyclic nature of living things in the environment
• understands that science, technology, and society are interwoven and interdependent

MATHEMATICS

Strand
• number sense, concepts, and operations
• measurement
• data analysis and probability

Standards
• understands the different ways numbers are represented and used in the real world
• uses estimation in problem solving and computation
• measures quantities in the real-world and uses the measures to solve problems
• understands and uses the tools of data analysis for managing information
• uses statistical methods to make inferences and valid arguments about real-world situations
SOCIAL STUDIES

Strand
• people, places, and environments (Geography)

Standards
• understands the world in spatial terms
• understands the interactions of people and the physical environment

LANGUAGE ARTS

Strands
• writing
• listening, viewing, and speaking
• language

Standards
• writes to communicate ideas and information effectively
• uses listening strategies effectively
• uses speaking strategies effectively
• understands the power of language