

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