

National Standard	K	1	2	3	4	5	6	7	8	HS
Unifying Concepts and Processes	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Science as Inquiry	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Physical Science			*	*	*	◆	*	*	*	*
Life Science	◆	◆	◆	◆	◆	◆	◆	*	◆	◆
Earth and Space Science			◆	◆	◆	◆	*	◆	*	◆
Science and Technology	*	*	*	◆	◆	◆	◆	◆	◆	◆
Personal and Social Perspective			*	*	◆	◆	◆	◆	◆	◆
History and Nature of Science			*	◆	◆	◆	◆	◆	◆	◆

- ◆ Embedded permanent exhibit
- * Special exhibits/programs

Grades K - 4
<p>NS.K-4.1 Science as Inquiry Ability to do scientific inquiry Understanding about scientific inquiry</p> <p>NS.K-4.2 Physical Science Properties of objects and materials Position and motion of objects Light, heat, electricity, magnetism</p> <p>NS.K-4.3 Life Science Characteristics of organisms Life cycles of organisms Organisms and environments</p> <p>NS.K-4 Earth and Space Properties of earth materials Objects in the sky Changes in earth and sky</p> <p>NS.K-5 Science and Technology Ability of technological design Understanding of science and technology Ability to distinguish natural vs. man-made</p> <p>NS.K-6 Personal and Social Perspective Personal health Characteristics and changes in populations Types of resources Changes in environments Science and technology in local challenges</p> <p>NS.K-7 History of Nature and Science Science as a human endeavor</p>

Grades 5-8
<p>NS.5-8.1 Science as Inquiry Ability to do scientific inquiry Understanding about scientific Inquiry</p> <p>NS.5-8.2 Physical Science Properties and changes in matter Motions and forces Transfer of energy</p> <p>NS.5-8.3 Life Science Structure and function in living systems Reproduction and heredity Regulation and behavior Populations and ecosystems Diversity and adaptations of organisms</p> <p>NS.5-8.4 Earth and Space Science Structure of Earth System Earth's history Earth in the solar system</p> <p>NS.5-8.5 Science and Technology Ability of technological design Understanding of science and technology</p> <p>NS.5-8.6 Personal and Social Perspective Personal health Populations, resources, and environments Natural hazards Risks and benefits Science and Technology in society</p> <p>NS.5-8.7 History of Nature and Science Science as a human endeavor Nature of science History of science</p>

Grades 9-12
<p>NS.9-12.1 Science as Inquiry Ability to do scientific inquiry Understanding about scientific inquiry</p> <p>NS.9-12.2 Physical Science Structure of atoms Structure and properties of matter Chemical reactions Motions and forces Conservation of energy and increase disorder Interactions of energy and matter</p> <p>NS.9-12.3 Life Science The cell Molecular basis of heredity Biological evolution Interdependence of organisms Matter, energy, organization in systems Behavior of organisms</p> <p>NS.9-12.4 Earth and Space Science Energy in the earth system Geochemical cycles Origin and evolution of earth system Origin and evolution of universe</p> <p>NS.9-12.5 Science and Technology Ability of technological design Understanding of science and technology</p> <p>NS.9-12.6 Personal and Social Perspective Personal and community health Population growth Natural resources Environmental quality Natural and human-induced hazards Local, national, global challenges</p> <p>NS.9-12.7 History of Nature and Science Science as a human endeavor Nature of scientific knowledge Historical perspectives</p>