

Alaska Science Performance Standards

Specific expectations by grade band may be found on pages 105-132 of the Content and Performance Standards for Alaska Students (4th edition).

SCIENCE AS INQUIRY & PROCESS			
SA1. Investigate problems, design and conduct experiments, and scientific argumentation		SA2. Reasoning, skepticism, openness, dialog, & review SA3. Local history, knowledge, and interaction	
PHYSICAL SCIENCE SB1. Properties of matter, structure, behavior SB2. Energy forms, transformation, transference, and conservation SB3. Matter & energy: physical, chemical, nuclear changes, effects on systems SB4. Motion & force: characteristics, relationships, natural forces	LIFE SCIENCE SC1. Change over time/evolution SC2. Structure & function, development, life cycles, biodiversity SC3. Transfer and transformation of energy and matter.	EARTH SCIENCE SD1. Geochemical cycles SD2. Earth origins, processes, and forces SD3. Earth & the solar system, energy flow & cycle from sun SD4. Cosmic evolution	
SCIENCE & TECHNOLOGY			
SE1. Science, technology, & everyday life	SE2. Problem-solving	SE3. Technology innovation and advances	
CULT., SOCIAL, PERSONAL PERSPECTIVES, & SCIENCE			
SF1. Relationships between individuals, culture, society, people, & science.	SF2. Alternate world-views	SF3. Recording & validating cultural knowledge	
HISTORY & NATURE OF SCIENCE			
SG1. Scientific knowledge evolves	SG2. Parameters for scientific advancement	SG3. The role of evidence in science	SG4. Science based on curiosity, creativity, & imagination

