

Grade 4 Science 2009

<i>Standard</i>	<i>Performance Indicator</i>	<i>Item #</i>
Living environment	1.1a Animals need air, water, and food in order to live and thrive.	15-MC
Living environment	2.1a Some traits of living things have been inherited. . .	23-MC
Living environment	3.1b Each plant has different structures that serve different functions in growth. . .	40-CR
Living environment	3.1c In order to survive in their environment, plants and animals must be adapted t	17-MC
Living environment	3.2a Individuals within a species may compete with each other for food. . .	18-MC
Living environment	4.1a Plants and animals have life cycles. These may include beginning of a life, de	21-MC
Living environment	4.1g The length of time from an animal's birth to its death is called its life span.	27-MC
Living environment	5.1b An organism's external physical features can enable it to carry out life functio	20-MC
Living environment	5.2a Plants respond to changes in their environment. For example, the leaves of s	38-CR
Living environment	5.2e Particular animal characteristics are influenced by changing environmental co	14-MC
Living environment	5.2f Some animal behaviors are influenced by environmental conditions. . .	24-MC
Living environment	5.2g The health, growth, and development of organisms are affected by environme	16-MC
Living environment	6.1a Green plants are producers because they provide the basic food supply. . .	19-MC
Living environment	6.1d Decomposers are living things that play a vital role in recycling nutrients.	26-MC
Living environment	6.2a Plants manufacture food by utilizing air, water, and energy from the Sun.	25-MC
Living environment	7.1a Humans depend on their natural and constructed environments.	22-MC
Living environment	7.1c Humans, as individuals or communities, change environments in ways that c	39-CR
Performance Station 1	3.1a Matter takes up space and has mass. Two objects cannot occupy the same p	STA1-3
Performance Station 1	M1.1b Select the appropriate operation to solve mathematical problems.	STA1-5

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Performance Station 1	M3 Critical thinking skills are used in the solution of mathematical problems.	STA1-1a
Performance Station 1	M3 Critical thinking skills are used in the solution of mathematical problems.	STA1-1b
Performance Station 1	M3 Critical thinking skills are used in the solution of mathematical problems.	STA1-2
Performance Station 1	M3 Critical thinking skills are used in the solution of mathematical problems.	STA1-4
Performance Station 2	S1.3 Develop relationships among observations to construct descriptions. . .	STA2-2
Performance Station 2	S3.1 Organize observations and measurements of objects and events. . .	STA2-1
Performance Station 2	S3.1 Organize observations and measurements of objects and events. . .	STA2-3
Performance Station 2	S3.2 Interpret organized observations and measurements. . .	STA2-4
Performance Station 3	S2.3 Carry out their plans for exploring phenomena. . .	STA3-1
Performance Station 3	S3.2 Interpret organized observations and measurements. . .	STA3-2
Performance Station 3	S3.2 Interpret organized observations and measurements. . .	STA3-3
Performance Station 3	S3.4 Adjust their explanations and understandings of objects based on their findin	STA3-5
Performance Station 3	T1 Engineering design is an interative process involving modeling and optimization	STA3-4
Physical setting	1.1b Humans organize time into units based on natural motions of Earth: second,	09-MC
Physical setting	2.1b Weather can be described and measured by temperature, wind speed, . . .	01-MC
Physical setting	2.1c Water is recycled by natural processes on Earth.	31-CR
Physical setting	2.1d Erosion and deposition result from the interaction among air, water, and land.	13-MC
Physical setting	3.1a Matter takes up space and has mass. Two objects cannot occupy the same p	08-MC
Physical setting	3.1b Each plant has different structures that serve different functions in growth. . .	02-MC
Physical setting	3.1c Objects have properties that can be observed, described, and/or measured. .	32-CR
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Physical setting	3.1d Measurement can be made with standard metric units and nonstandard units.	05-MC
Physical setting	3.1e The material(s) an object is made up of determine some specific properties. .	35-CR
Physical setting	3.2b Temperature can affect the state of matter of a substance.	04-MC
Physical setting	3.2c Changes in the properties or materials of objects can be observed and descri	07-MC
Physical setting	4.1a Energy exists in various forms: heat, electric, sound, chemical, mechanical, li	10-MC
Physical setting	4.1c Some materials transfer energy better than others (heat and electricity).	11-MC
Physical setting	4.1d Energy and matter interact: water is evaporated by the Sun's heat. . .	12-MC
Physical setting	5.1c The force of gravity pulls objects toward the center of Earth.	03-MC
Physical setting	5.2b The force of magnetism on objects decreases as distance increases.	36-CR
Standard 1	S1.1a Observe and discuss objects and events and record observations.	28-MC
Standard 1	S3.2 Interpret organized observations and measurements. . .	29-MC
Standard 1	S3.2 Interpret organized observations and measurements. . .	37-CR
Standard 1	S3.2a State, orally and in writing, any inferences or generalizations. . .	34-CR
Standard 6	Key Idea 2-Models	06-MC
Standard 6	Key Idea 2-Models	30-MC