

Concepts	Grade Level STANDARD	OBJECTIVES (What it looks like in the classroom) The learner will í	# OF DAYS NEEDED FOR MASTERY	DATES TAUGHT	DATE ASSESSSED	ASSESSMENT TYPE (classroom, NESA-M, L to J Quizzes, objective, subjective, project, etc.)	RESOURCES (Materials, web sites, auto-visual, print)	LEARNING ACTIVITIES
Inquiry, the Nature of Science and Technology								
SC 2.1 Students will combine scientific processes and knowledge with scientific reasoning and critical thinking to ask questions about phenomena and propose explanations based on gathered evidence.								
Abilities to do Scientific Inquiry	SC2.1.1 Students will ask questions and conduct investigations that lead to observations and communication of findings.							
Scientific Questioning	SC2.1.1.a Ask questions that relate to a science topic	2.1.1.a TLW Ask questions that relate to a science topic	Ongoing	Ongoing	Ongoing	Informal classroom observation	Butterfly unit	Butterfly garden Reading story Farfalina and Marcelö
Scientific Investigations	SC2.1.1.b Conduct simple investigations	2.1.1.b TLW Conduct simple investigations	Ongoing	Ongoing	Ongoing	Informal classroom observation	Butterfly unit	Butterfly garden Reading story Farfalina and Marcelö

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Scientific Tools	SC2.1.1.c Select and use simple tools appropriately	2.1.1.c TLW select and use simple tools appropriately	Ongoing	Ongoing	Ongoing	Informal classroom observation	scissors, scoop, paint brush, pencil, crayons	Learning Centers
Scientific Observations	SC2.1.1.d Describe objects, organisms, or events using pictures, words, and numbers	2.1.1.d TLW Describe objects, organisms, or events using pictures, words, and numbers	Ongoing	Ongoing	Ongoing	Informal classroom observation	journals	Learning Centers
Scientific Data Collection	SC2.1.1.e Collect and record observations	2.1.1.e TLW collect and record observations	Ongoing	Ongoing	Ongoing	Informal classroom observation	Boy/girl graph ABC pics/names	Learning Centers

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Scientific Communication	SC2.1.1.f Use drawings and words to describe and share observations with others	2.1.1.f TLW use drawings and words to describe and share observations with others	Ongoing	Ongoing	Ongoing	Informal classroom observation	Classroom time, notebook	Show and tell, journaling
Mathematics	SC2.1.1.g Use appropriate mathematics in all aspects of scientific inquiry.	2.1.1.g TLW use appropriate mathematics in all aspects of scientific inquiry	Ongoing	Ongoing	Ongoing	Informal classroom observation	Penny papers	Penny paper charting

Physical Science

SC K -12.2 Students will integrate and communicate the information, concepts, principles, processes, theories, and models of Physical Sciences to make connections with the natural and engineered world.

Matter	SC 2.2.1 Students will observe and describe properties of objects and their behavior.
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Properties and Structure of Matter	SC2.2.1.a Observe physical properties of objects (freezing, and melting, sinking and floating, color, size, texture, shape, weight)	2.2.1.a TLW observe physical properties of objects(freezing, and melting, sinking and floating, color, size, texture, shape, weight	Ongoing	Ongoing	Ongoing	Informal classroom observation	Scott Foresman Math	Math units Learning Centers
Properties and Structure of Matter	SC2.2.1.b Separate and sort objects by physical attributes	2.2.1.b TLW separate and sort objects by physical attributes	Ongoing	Ongoing	Ongoing	Informal classroom observation	Scott Foresman Math	Math units Learning Centers
Properties and Structure of Matter	SC2.2.1.c Measure objects using standard and non standard units	2.2.1.c TLW measure objects using standard and non standard units	Ongoing	Ongoing	Ongoing	Informal classroom observation	Scott Foresman Math	Math units Learning Centers

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States of Matter	SC2.2.1.d Identify solids and liquids and recognize that liquids take the shape of their container	2.2.1.d TLW identify solids and liquids and recognize that liquids take the shape of their container	Ongoing	Ongoing	Ongoing	Informal classroom observation		Snack
Physical Science	SC 2.2.2 Students will compare relative position and motion of objects.							
Motion	SC2.2.2.a State location and/or motion relative to another object or its surroundings (in front of, behind, between, over, under, faster, slower, forward and backward, up and down)	2.2.2.a TLW state location and/or motion relative to another object or its surroundings(in front of, behind, between, over, under, faster, slower, forward and backward, up and down)	Ongoing	Ongoing	Ongoing	Informal classroom observation	Language For Learning Materials	Line formation Language For Learning Learning Centers

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Motion	SC2.2.2.b Describe how objects move in many different ways (straight, zigzag, round and round, back and forth, and fast and slow	2.2.2.b TLW describe how objects move in many different ways(straight,zigzag, round and round, back and forth and fast and slow	Ongoing	Ongoing	Ongoing	Informal classroom observation	Scott Foresman Math	Math units Learning Centers

Life Science

SC K-12.3 Students will integrate and communicate the information, concepts, principles, processes, theories, and models of the Life Sciences to make connections with the natural and engineered world.

Structure and Function of Living Systems	MA 2.3.1 Students will investigate the characteristics of living things.							
Characteristics of Life	SC2.3.1.a Differentiate between living and nonliving things	2.3.1.a Differentiate between living and nonliving things	Ongoing	Ongoing	Ongoing	Informal classroom observation	Classroom time Scott Foresman Reading	Show and tell Reading units Learning Centers

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Characteristics of Living Organisms	SC2.3.1.b Identify the basic needs of living things (food, water, air, space, and shelter)	2.3.1.b identify the basic needs of living things (food, water, air, space, and shelter)	Ongoing	Ongoing	Ongoing	Informal classroom observation	Scott Foresman Reading	Reading stories • Armadillo • Orange, Bear Snores On, Max Takes the Train, Homes Around the World • Learning Centers
Characteristics of Living Organisms	SC2.3.1.c Identify external parts of plants and animals	2.3.1.c identify external parts of plants and animals	Ongoing	Ongoing	Ongoing	Informal classroom observation	Scott Foresman Reading	Reading units Learning Centers Butterfly Garden
Characteristics of Living Organisms	SC2.3.1.d Observe and match plants and animals to their distinct habitats	2.3.1.d Observe and match plants and animals to their distinct habitats	Ongoing	Ongoing	Ongoing	Informal classroom observation	Scott Foresman Reading	Reading stores • One Little Mouse, Bear Snores On, Armadillo • Orange, A Bed for the Winter • Learning Centers

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Heredity	SC 2.3.2 Students will recognize changes in living things.							
Inherited Traits	SC2.3.2.a Describe how offspring resemble their parents.	2.3.2.a Describe how offspring resemble their parents	Ongoing	Ongoing	Ongoing	Informal classroom observation	Scott Foresman Reading	öAnimal Babiesö See How We Grow
Reproduction	SC2.3.2.b Describe how living things change as they grow	2.3.2.b Describe how living things change as they grow	Ongoing	Ongoing	Ongoing	Informal classroom observation	Scott Foresman Reading Butterfly unit	öSee How We Growö öFarfalina and Marcelö öLittle Pandaö Butterfly Garden
Biodiversity	SC 2.3.4 Students will describe changes in organisms over time.							

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Biological Adaptations	SC2.3.4.a Recognize seasonal changes in animals and plants	2.3.4.a Recognize seasonal changes in animals and plants	Ongoing	Ongoing	Ongoing	Informal classroom observation	Scott Foresman Reading	õA Bed for The Winterö
Earth and Space Science SC K-12.4 Students will integrate and communicate the information, concepts, principles, processes, theories, and models of the Earth and Space Science to make connections with the natural and engineered world.								
Earth in Space	SC 2.4.1 Students will observe and identify objects in the sky.							
Objects in the Sky and Universe	SC2.4.1.a Identify objects in the sky (Sun, Moon, stars) and when they are observable.	2.4.1.a Identify objects in the sky (Sun, Moon, stars) and when they are observable	Ongoing	Ongoing	Ongoing	Informal classroom observation	Outdoor Ed	Recess

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Motion of Objects in the Solar System	SC2.4.1.b Identify objects that appear to move in the sky (Sun, Moon, stars)	2.4.1.b Identify objects that appear to move in the sky (Sun, Moon, Stars)	Ongoing	Ongoing	Ongoing	Informal classroom observation		
Earth Structures and Processes	SC 2.4.2 Students will observe, identify, and describe characteristics of Earth's materials.							
Properties Earth Materials	SC2.4.2.a Describe Earth materials (sand, soil, rocks, water)	Describe Earth materials (sand, soil, rocks, water)	Ongoing	Ongoing	Ongoing	Informal classroom observation	Scott Foresman Reading	öLife In an Oceanö öOn the Moveö

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Use of Earth Materials	SC2.4.2.b Recognize ways in which individuals and families can conserve Earth's resources by reducing, reusing, and recycling	Recognize ways in which individuals and families can conserve Earth's resources by reducing, reusing, and recycling	Ongoing	Ongoing	Ongoing	Informal classroom observation	Project with kinderpals öEarth, hands	Earth Day Activities
Energy in Earth's Systems	SC 2.4.2 Students will observe simple patterns of change on Earth.							
Energy Sources	SC2.4.3.a Observe that the Sun provides heat and light	SC2.4.3.a Observe that the Sun provides heat and light	Ongoing	Ongoing	Ongoing	Informal classroom observation	Scott Foresman Reading	öWhose Garden Is It?ö Ground Hog Day

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Weather and Climate	SC2.4.3.b Observe and describe simple daily changes in weather.	SC2.4.3.b Observe and describe simple daily changes in weather	Ongoing	Ongoing	Ongoing	Informal classroom observation	Classroom	Calendar Weather Seasons Recess
Weather and Climate	SC2.4.3.c Describe simple seasonal weather indicators and how they impact students choices (activities, clothing)	SC2.4.3.c Describe simple seasonal weather indicators and how they impact students choices (activities, clothing)	Ongoing	Ongoing	Ongoing	Informal classroom observation	Classroom	Calendar Weather Seasons Recess