

Concepts	Grade Level STANDARD	OBJECTIVES (What it looks like in the classroom) The learner will í	# OF DAYS NEEDED FOR MASTERY	DATES TAUGHT	DATE ASSESSED	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 5.1 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	SC5.1.1 Students will plan and conduct investigations that lead to the development of explanations.							

Concepts	Grade Level STANDARD	OBJECTIVES (What it looks like in the classroom) The learner will í	# OF DAYS NEEDED FOR MASTERY	DATES TAUGHT	DATE ASSESSED	ASSESSMENT TYPE (classroom, NESAs-M, L to J Quizzes, objective, subjective, project, etc.)	RESOURCES (Materials, web sites, auto-visual, print)	LEARNING ACTIVITIES
Scientific Questioning	SC5.1.1.a Ask testable scientific questions	5.1.1.a TLW will ask testable scientific questions.	24 days	September-October	October	Classroom Assessments, CRA 5.2.1 NeSA-S , L TO J QUIZZES,	F.O.S.S. Variables F.O.S.S. Environments	Perform experiments using the Scientific Method F.O.S.S. Variables Activity 1 Swingers F.O.S.S. Variables Activity 4 Flippers F.O.S.S. Environments Activity 2 Bugs and Beetles F.O.S.S. Environments Activity 3 Water Tolerance

Concepts	Grade Level STANDARD	OBJECTIVES (What it looks like in the classroom) The learner will í	# OF DAYS NEEDED FOR MASTERY	DATES TAUGHT	DATE ASSESSED	ASSESSMENT TYPE (classroom, NESAs-M, L to J Quizzes, objective, subjective, project, etc.)	RESOURCES (Materials, web sites, auto-visual, print)	LEARNING ACTIVITIES
Scientific Investigations	SC5.1.1.b Plan and conduct investigations and identify factors that have the potential to impact an investigation.	<p>5.1.1.b</p> <p>TLW order and identify the steps of the scientific method.</p> <p>TLW define and give examples of controlled experiment, graph, variable, system, and scientific method steps.</p> <p>TLW gain experience with the concept of variable.</p> <p>TLW conduct experiments with four kinds of plants to discover their range of tolerance for water.</p> <p>TLW conduct experiments to determine an organism's preferred environmental preference.</p> <p>TLW conduct experiments to find out what variables affect the number of cycles a pendulum will complete in a unit of time.</p> <p>TLW conduct multiple trials of the same variable and calculate averages of the outcomes in flippers.</p>	24 days	September-October	October	Classroom Assessments, CRA 5.2.1 NeSA-S , L TO J QUIZZES	<p>F.O.S.S. Variables</p> <p>F.O.S.S. Environments</p>	<p>Perform experiments using the Scientific Method</p> <p>F.O.S.S. Variables Activity 1 Swingers</p> <p>F.O.S.S. Variables Activity 4 Flippers</p> <p>F.O.S.S. Environments Activity 2 Bugs and Beetles</p> <p>F.O.S.S. Environments Activity 3 Water Tolerance</p>

Concepts	Grade Level STANDARD	OBJECTIVES (What it looks like in the classroom) The learner will í	# OF DAYS NEEDED FOR MASTERY	DATES TAUGHT	DATE ASSESSED	ASSESSMENT TYPE (classroom, NESAS-M, L to J Quizzes, objective, subjective, project, etc.)	RESOURCES (Materials, web sites, auto-visual, print)	LEARNING ACTIVITIES
Scientific Tools	SC5.1.1.c Select and use equipment correctly and accurately.	5.1.1.c TLW select and use equipment when conducting scientific investigations. TLW select and use measuring devices (metric rulers, metric sticks, metric measuring tapes) to correctly and accurately measure plants and launches of flippers. TLW select the proper equipment to conduct the water tolerance experiment and tolerance of bugs and beetles. TLW select and use timing devices to measure the number of swings and the time for bug runs.	24 days	September-October	October	Classroom Assessments	F.O.S.S. Variables F.O.S.S. Environments	Perform experiments using the Scientific Method F.O.S.S. Variables Activity 1 Swingers F.O.S.S. Variables Activity 4 Flippers F.O.S.S. Environments Activity 2 Bugs and Beetles F.O.S.S. Environments Activity 3 Water Tolerance

Concepts	Grade Level STANDARD	OBJECTIVES (What it looks like in the classroom) The learner will í	# OF DAYS NEEDED FOR MASTERY	DATES TAUGHT	DATE ASSESSED	ASSESSMENT TYPE (classroom, NESA-M, L to J Quizzes, objective, subjective, project, etc.)	RESOURCES (Materials, web sites, auto-visual, print)	LEARNING ACTIVITIES
Scientific Observations	SC5.1.1.d Make relevant observations and measurements.	5.1.1.d TLW make relevant observations and measurements when conducting scientific investigations.	24 days	September-October	October	Classroom Assessments	F.O.S.S. Variables F.O.S.S. Environments	Perform experiments using the Scientific Method F.O.S.S. Variables Activity 1 Swingers F.O.S.S. Variables Activity 4 Flippers F.O.S.S. Environments Activity 2 Bugs and Beetles F.O.S.S. Environments Activity 3 Water Tolerance

Concepts	Grade Level STANDARD	OBJECTIVES (What it looks like in the classroom) The learner will í	# OF DAYS NEEDED FOR MASTERY	DATES TAUGHT	DATE ASSESSED	ASSESSMENT TYPE (classroom, NESAS-M, L to J Quizzes, objective, subjective, project, etc.)	RESOURCES (Materials, web sites, auto-visual, print)	LEARNING ACTIVITIES
Scientific Data Collection	SC5.1.1.e Collect and organize data.	5.1.1.e TLW collect and organize data when conducting scientific experiments.	24 days	September-October	October	Classroom Assessments	F.O.S.S. Variables F.O.S.S. Environments	Perform experiments using the Scientific Method F.O.S.S. Variables Activity 1 Swingers F.O.S.S. Variables Activity 4 Flippers F.O.S.S. Environments Activity 2 Bugs and Beetles F.O.S.S. Environments Activity 3 Water Tolerance

Concepts	Grade Level STANDARD	OBJECTIVES (What it looks like in the classroom) The learner will í	# OF DAYS NEEDED FOR MASTERY	DATES TAUGHT	DATE ASSESSED	ASSESSMENT TYPE (classroom, NESAs-M, L to J Quizzes, objective, subjective, project, etc.)	RESOURCES (Materials, web sites, auto-visual, print)	LEARNING ACTIVITIES
Scientific Interpretations, Reflections, and Applications	SC5.1.1.f Develop a reasonable explanation based on collected data	5.1.1.f TLW develop a reasonable explanation based on collected data from scientific experiments.	24 days	September-October	October	Classroom Assessments, CRA 5.2.1 NeSA-S, L TO J QUIZZES,	F.O.S.S. Variables F.O.S.S. Environments	Perform experiments using the Scientific Method F.O.S.S. Variables Activity 1 Swingers F.O.S.S. Variables Activity 4 Flippers F.O.S.S. Environments Activity 2 Bugs and Beetles F.O.S.S. Environments Activity 3 Water Tolerance

Concepts	Grade Level STANDARD	OBJECTIVES (What it looks like in the classroom) The learner will í	# OF DAYS NEEDED FOR MASTERY	DATES TAUGHT	DATE ASSESSED	ASSESSMENT TYPE (classroom, NES-A-M, L to J Quizzes, objective, subjective, project, etc.)	RESOURCES (Materials, web sites, auto-visual, print)	LEARNING ACTIVITIES
Scientific Communication	SC5.1.1.g Share information, procedures, and results with peers and/or adults. SC5.1.1.h Provide feedback on scientific investigations.	5.1.1.g TLW share information, procedures, and results with peers and/ or adults collected from their experiments. 5.1.1.h TLW provide feedback on scientific observations	24 days	September-October	October	Classroom Assessments	F.O.S.S. Variables F.O.S.S. Environments	Perform experiments using the Scientific Method F.O.S.S. Variables Activity 1 Swingers F.O.S.S. Variables Activity 4 Flippers F.O.S.S. Environments Activity 2 Bugs and Beetles F.O.S.S. Environments Activity 3 Water Tolerance

Concepts	Grade Level STANDARD	OBJECTIVES (What it looks like in the classroom) The learner will í	# OF DAYS NEEDED FOR MASTERY	DATES TAUGHT	DATE ASSESSED	ASSESSMENT TYPE (classroom, NESAs-M, L to J Quizzes, objective, subjective, project, etc.)	RESOURCES (Materials, web sites, auto-visual, print)	LEARNING ACTIVITIES
Mathematics	SC5.1.1.i Use appropriate mathematics in all aspects of scientific inquiry.	5.1.1.i TLW use appropriate mathematics in all aspects of scientific inquiry.	24 days	August-September-October	October	Classroom Assessments	F.O.S.S. Variables F.O.S.S. Environments	Perform experiments using the Scientific Method F.O.S.S. Variables Activity 1 Swingers F.O.S.S. Variables Activity 4 Flippers F.O.S.S. Environments Activity 2 Bugs and Beetles F.O.S.S. Environments Activity 3 Water Tolerance
Inquiry, the Nature of Science and Technology	SC 5.1.2 Students will describe how scientists go about their work.							

Concepts	Grade Level STANDARD	OBJECTIVES (What it looks like in the classroom) The learner will í	# OF DAYS NEEDED FOR MASTERY	DATES TAUGHT	DATE ASSESSED	ASSESSMENT TYPE (classroom, NESAS-M, L to J Quizzes, objective, subjective, project, etc.)	RESOURCES (Materials, web sites, auto-visual, print)	LEARNING ACTIVITIES
Scientific Knowledge	SC5.1.2.a Recognize that scientific explanations are based on evidence and scientific knowledge.	5.1.2.a TLW recognize that scientific explanations are based on evidence and scientific knowledge. TLW make multisensory observations of black boxes. TLW develop conceptual models of black boxes. TLW communicate models through discussion and drawing. TLW construct concrete models to compare to conceptual models.	24 days	January	January	Classroom Assessments	F.O.S.S. Models and Designs	Perform experiments using the Scientific Method F.O.S.S. Models and Designs Activity 1 Black Boxes

Concepts	Grade Level STANDARD	OBJECTIVES (What it looks like in the classroom) The learner will í	# OF DAYS NEEDED FOR MASTERY	DATES TAUGHT	DATE ASSESSED	ASSESSMENT TYPE (classroom, NESA-M, L to J Quizzes, objective, subjective, project, etc.)	RESOURCES (Materials, web sites, auto-visual, print)	LEARNING ACTIVITIES
Science and Society	SC5.1.2.b Recognize that new discoveries are always being made which impact scientific knowledge	5.1.2.b TLW recognize that new discoveries are always being made which impact scientific knowledge	24 days	January	January	Classroom Assessments	Scholastic News Internet	

Concepts	Grade Level STANDARD	OBJECTIVES (What it looks like in the classroom) The learner will í	# OF DAYS NEEDED FOR MASTERY	DATES TAUGHT	DATE ASSESSED	ASSESSMENT TYPE (classroom, NESAs-M, L to J Quizzes, objective, subjective, project, etc.)	RESOURCES (Materials, web sites, auto-visual, print)	LEARNING ACTIVITIES
Science as a Human Endeavor	SC5.1.2.c Recognize many different people study science	5.1.2.c TLW recognize that many different people study science. TLW examine scientific contributions by scientists in different ages.	10 Days	May	Not Assessed	Classroom worksheets	Meet the Great Inventors Video The Inventorø Specials-Sir Isaac Newton The Inventorø Specials-Galileo The Inventorø Specials-Einstein The Inventorø Specials-Marie Curie Inventions	Newton: 5 Questions and Answers Galileo: 6 Stars Einstein: Cooperative Learning Activity Shared Learning Marie Curie: Acrostic
Technology	SC 5.1.3 Students will solve a simple design problem.							

Concepts	Grade Level STANDARD	OBJECTIVES (What it looks like in the classroom) The learner will í	# OF DAYS NEEDED FOR MASTERY	DATES TAUGHT	DATE ASSESSED	ASSESSMENT TYPE (classroom, NESA-M, L to J Quizzes, objective, subjective, project, etc.)	RESOURCES (Materials, web sites, auto-visual, print)	LEARNING ACTIVITIES
Abilities to do Technical Design	SC5.1.3.a Identify a simple problem	5.1.3.a TLW identify a simple problem	24 days	January	January	Classroom Assessments	F.O.S.S. Models and Designs	Perform experiments using the Scientific Method F.O.S.S. Models and Designs Activity 2 Hum Dingers
Abilities to do Technical Design	SC5.1.3.b Propose a solution to a simple problem	5.1.3.b TLW propose a solution to a simple problem.	24 days	January	January	Classroom Assessments	F.O.S.S. Models and Designs	Perform experiments using the Scientific Method F.O.S.S. Models and Designs Activity 2 Hum Dingers

Concepts	Grade Level STANDARD	OBJECTIVES (What it looks like in the classroom) The learner will í	# OF DAYS NEEDED FOR MASTERY	DATES TAUGHT	DATE ASSESSED	ASSESSMENT TYPE (classroom, NESA-M, L to J Quizzes, objective, subjective, project, etc.)	RESOURCES (Materials, web sites, auto-visual, print)	LEARNING ACTIVITIES
Abilities to do Technical Design	SC5.1.3.c Implement the proposed solution	5.1.3.c TLW implement a proposed solution. TLW organize and assemble components to make a physical model of the hum dinger.	24 days	January	January	Classroom Assessments	F.O.S.S. Models and Designs	Perform experiments using the Scientific Method F.O.S.S. Models and Designs Activity 2 Hum Dingers
Abilities to do Technical Design	SC5.1.3.d Evaluate the implementation	5.1.3.d TLW evaluate the implementation. TLW compare their models to the working hum dinger.	24 days	January	January	Classroom Assessments	F.O.S.S. Models and Designs	Perform experiments using the Scientific Method F.O.S.S. Models and Designs Activity 2 Hum Dingers

Concepts	Grade Level STANDARD	OBJECTIVES (What it looks like in the classroom) The learner will í	# OF DAYS NEEDED FOR MASTERY	DATES TAUGHT	DATE ASSESSED	ASSESSMENT TYPE (classroom, NESA-M, L to J Quizzes, objective, subjective, project, etc.)	RESOURCES (Materials, web sites, auto-visual, print)	LEARNING ACTIVITIES
Abilities to do Technical Design	SC5.1.3.e Communicate the problems, design, and solution	5.1.3.e TLW communicate the problem, their design, and their solution to their peers and/or adult.	24 days	January	January	Classroom Assessments	F.O.S.S. Models and Designs	Perform experiments using the Scientific Method F.O.S.S. Models and Designs Activity 2 Hum Dingers

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 5.2.1 Students will explore and describe the physical properties of matter and its changes.
---------------	---

Concepts	Grade Level STANDARD	OBJECTIVES (What it looks like in the classroom) The learner will í	# OF DAYS NEEDED FOR MASTERY	DATES TAUGHT	DATE ASSESSED	ASSESSMENT TYPE (classroom, NESA-M, L to J Quizzes, objective, subjective, project, etc.)	RESOURCES (Materials, web sites, auto-visual, print)	LEARNING ACTIVITIES
Properties and Structure of Matter	SC5.2.1.a Differentiate between mixtures and pure substances.	5.2.1.a TLW differentiate between mixtures and pure substances.	days			Classroom Assessments NeSA-S, L TO J QUIZZES,	Mixtures and Solutions	F.O.S.S. Mixtures and Solutions Activity 1 Separating Mixtures
Properties and Structure of Matter	SC5.2.1.b Identify physical properties of matter (color, odor, elasticity, weight, and volume)	5.2.1.b TLW identify physical properties of matter such as color, odor, elasticity, weight, and volume	days			Classroom Assessments NeSA-S, L TO J QUIZZES,	Mixtures and Solutions	F.O.S.S. Mixtures and Solutions Activity 2 Reaching Saturation F.O.S.S. Mixtures and Solutions Activity 3 Concentration

Concepts	Grade Level STANDARD	OBJECTIVES (What it looks like in the classroom) The learner will í	# OF DAYS NEEDED FOR MASTERY	DATES TAUGHT	DATE ASSESSED	ASSESSMENT TYPE (classroom, NESA-M, L to J Quizzes, objective, subjective, project, etc.)	RESOURCES (Materials, web sites, auto-visual, print)	LEARNING ACTIVITIES
Properties and Structure of Matter	SC5.2.1.c Use appropriate metric measurements to describe physical properties	5.2.1.c TLW use appropriate metric measurements to describe physical properties.	days			Classroom Assessments NeSA-S, L TO J QUIZZES,	DSM Measuring Scott Foresman Math Textbook	
Physical Science	SC 5.2.2 Students will identify the influence of forces on motion.							

Concepts	Grade Level STANDARD	OBJECTIVES (What it looks like in the classroom) The learner will í	# OF DAYS NEEDED FOR MASTERY	DATES TAUGHT	DATE ASSESSED	ASSESSMENT TYPE (classroom, NESAs-M, L to J Quizzes, objective, subjective, project, etc.)	RESOURCES (Materials, web sites, auto-visual, print)	LEARNING ACTIVITIES
Motion	SC5.2.2.a Describe motion by tracing and measuring an object's position over a period of time.	5.2.2.a TLW describe motion by tracing and measuring an object's position over a period of time. (speed)	days			Classroom Assessments NeSA-S, L TO J QUIZZES,	DSM Newton's Toy Box	<p style="text-align: center;">DSM Newton's Toy Box Activity 1 Motion in Review</p> <p style="text-align: center;">DSM Newton's Toy Box Activity 6 Rolling On</p> <p style="text-align: center;">DSM Newton's Toy Box Activity 7 Great Race</p> <p style="text-align: center;">DSM Newton's Toy Box Activity 9 Accelerating Masses</p>

Concepts	Grade Level STANDARD	OBJECTIVES (What it looks like in the classroom) The learner will í	# OF DAYS NEEDED FOR MASTERY	DATES TAUGHT	DATE ASSESSED	ASSESSMENT TYPE (classroom, NESAs-M, L to J Quizzes, objective, subjective, project, etc.)	RESOURCES (Materials, web sites, auto-visual, print)	LEARNING ACTIVITIES
Forces/Newton's 2nd Law	SC5.2.2.b Compare changes in motion due to outside forces (push, pull, gravity)	5.2.2.b TLW compare changes in motion due to outside forces (push, pull, gravity)	days			Classroom Assessments NeSA-S, L TO J QUIZZES,	Science Court Work and Simple Machines DSM Simple Machines DSM Newton's Toy Box	Science Court Work and Simple Machines Activities 1, 2, and 3 DSM Simple Machines Activity 16 Doing Work DSM Simple Machines Activity 36 Friction DSM Simple Machines Activity 66 Traction Action DSM Newton's Toy Box Activity 26 Gravity and Balance DSM Newton's Toy Box Activity 46 The Parachute Drop DSM Newton's Toy Box Activity 106 The Come-Back Can Bill Nye6 Gravity

Concepts	Grade Level STANDARD	OBJECTIVES (What it looks like in the classroom) The learner will í	# OF DAYS NEEDED FOR MASTERY	DATES TAUGHT	DATE ASSESSED	ASSESSMENT TYPE (classroom, NESA-M, L to J Quizzes, objective, subjective, project, etc.)	RESOURCES (Materials, web sites, auto-visual, print)	LEARNING ACTIVITIES
Energy	SC 5.2.3 Students will observe and identify signs of energy transfer							
Heat	SC5.2.3.d Identify ways to generate heat (e.g. friction, burning, incandescent light bulb)	5.2.3.d TLW identify ways to generate heat (e.g. friction, burning, incandescent light bulb)	6 days	February	February, March	Classroom Assessments NeSA-S, L TO J QUIZZES,	NPPDô Chad Johnson DSM Newtonø Toy Box	DSM Simple Machines Activity 3 Friction
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 5.3.1 Students will investigate and compare the characteristics of living things.							

Concepts	Grade Level STANDARD	OBJECTIVES (What it looks like in the classroom) The learner will í	# OF DAYS NEEDED FOR MASTERY	DATES TAUGHT	DATE ASSESSED	ASSESSMENT TYPE (classroom, NESA-M, L to J Quizzes, objective, subjective, project, etc.)	RESOURCES (Materials, web sites, auto-visual, print)	LEARNING ACTIVITIES
Characteristics of Life	SC5.3.1.a Compare and contrast characteristics of living and nonliving things	5.3.1.a TLW compare and contrast characteristics of living and nonliving things.				Classroom Assessments NeSA-S, L TO J QUIZZES,		
Characteristics of Living Organisms	SC5.3.1.b Identify how parts of plants and animals function to meet basic needs. (e.g. leg of an insect helps an insect move, root of a plant helps the plant obtain water)	5.3.1.b TLW identify how parts of plants and animals function to meet basic needs.				Classroom Assessments NeSA-S, L TO J QUIZZES,		Project Learning Treeô Activity 62 To Be A Tree Project Learning Treeô Activity 63 Tree Factory Science Is . . . ó Describe a Plant
Flow of Matter and Energy in Ecosystems	SC 5.3.3 Students will describe relationships within an ecosystem.							

Concepts	Grade Level STANDARD	OBJECTIVES (What it looks like in the classroom) The learner will í	# OF DAYS NEEDED FOR MASTERY	DATES TAUGHT	DATE ASSESSED	ASSESSMENT TYPE (classroom, NESAS-M, L to J Quizzes, objective, subjective, project, etc.)	RESOURCES (Materials, web sites, auto-visual, print)	LEARNING ACTIVITIES
Ecosystems	SC5.3.3.c Recognize the living and nonliving factors that impact the survival of organisms within an ecosystem.	5.3.3.c TLW recognize the living and nonliving factors that impact the survival of organisms within an ecosystem.	6 days	February	February, March	Classroom Assessments NeSA-S, L TO J QUIZZES,	Mixtures and Solutions Reading Street Scott Foresman Exploding Ants	<p style="text-align: center;">Environments Investigation 1: Terrestrial Environments</p> <p style="text-align: center;">Cougars on the Playground Activity</p> <p style="text-align: center;">Project Wild How Many Bears Can Live in This Forest?</p> <p style="text-align: center;">Project Wild Oh Deer</p> <p style="text-align: center;">Project Wild The Beautiful Basics</p> <p style="text-align: center;">Project Wild Habitat Lab Sit</p> <p style="text-align: center;">Project Learning Tree Activity 88 Life on the Edge</p> <p style="text-align: center;">Science Is . . . The Endangered Hoppit</p> <p style="text-align: center;">Science Is . . . Camouflaged Creatures</p> <p style="text-align: center;">Science Is . . . Survival</p> <p style="text-align: center;">AIMS Out Wonderful World: Now You See It Now You Don't</p>

Concepts	Grade Level STANDARD	OBJECTIVES (What it looks like in the classroom) The learner will í	# OF DAYS NEEDED FOR MASTERY	DATES TAUGHT	DATE ASSESSED	ASSESSMENT TYPE (classroom, NESA-M, L to J Quizzes, objective, subjective, project, etc.)	RESOURCES (Materials, web sites, auto-visual, print)	LEARNING ACTIVITIES
Impact on Ecosystems	SC 5.3.3.d Recognize all organisms cause changes, some beneficial and some detrimental, in the environment where they live.	5.3.3.d TWL recognize all organisms cause changes, some beneficial and some detrimental, in the environment where they live.						Project Wild Cartoons and Bumper Stickers Project Wild Shrinking Habitat Project Wild No Water Off a Duckø Back Science Is . . . óSmall Changes page 263 FOSS Science Stories øWater Pollution: The Lake Erie Story and Sources of Water Pollutionö øThe Mono Lake Storyö øShrimp Aquacultureö

Concepts	Grade Level STANDARD	OBJECTIVES (What it looks like in the classroom) The learner will í	# OF DAYS NEEDED FOR MASTERY	DATES TAUGHT	DATE ASSESSED	ASSESSMENT TYPE (classroom, NESA-M, L to J Quizzes, objective, subjective, project, etc.)	RESOURCES (Materials, web sites, auto-visual, print)	LEARNING ACTIVITIES
Biodiversity	SC 5.3.4 Students will describe changes in organisms over time.							

Concepts	Grade Level STANDARD	OBJECTIVES (What it looks like in the classroom) The learner will í	# OF DAYS NEEDED FOR MASTERY	DATES TAUGHT	DATE ASSESSED	ASSESSMENT TYPE (classroom, NESA-M, L to J Quizzes, objective, subjective, project, etc.)	RESOURCES (Materials, web sites, auto-visual, print)	LEARNING ACTIVITIES
Biological Adaptations	SC5.3.4.a Describe adaptations made by plants or animals to survive environmental changes.	5.3.4.a TLW describe adaptations made by plants or animals to survive environmental changes.				Classroom Assessments NeSA-S, L TO J QUIZZES,	Project Wild Project Learning Tree FOSS Science Stories The Voyage of the Mimi-Ecosystems with Island Survivors	Project Wild What Bear Goes Where? Activity Project Wild Quick Frozen Critters Project Learning Treeö Activity 10 Charting Diversity Project Learning Treeö Activity 11 Can It Be Real? Project Learning Treeö Activity 25 Birds and Worms FOSS Science Stories öAmazon Rain Forestö öTerrestrial Environments Around the Worldö öAquatic Environments Around the Worldö öBreeding Plantsö The Voyage of the Mimiö Ecosystems with Island Survivors öStudying Populationsö

Concepts	Grade Level STANDARD	OBJECTIVES (What it looks like in the classroom) The learner will í	# OF DAYS NEEDED FOR MASTERY	DATES TAUGHT	DATE ASSESSED	ASSESSMENT TYPE (classroom, NESA-M, L to J Quizzes, objective, subjective, project, etc.)	RESOURCES (Materials, web sites, auto-visual, print)	LEARNING ACTIVITIES
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 5.4.1 Students will observe and describe characteristics, patterns, and changes in the sky.								
Objects in the Sky and Universe	SC5.4.1 Recognize that the observed shape of the moon changes from day to day during a one month period.	5.4.1.a TLW recognize that the observed shape of the moon changes from day to day during a one month period.	6 days	February	February, March	Classroom Assessments NeSA-S, L TO J QUIZZES,	AIMS Moon Phases Activity	Moon Phases Activity

Concepts	Grade Level STANDARD	OBJECTIVES (What it looks like in the classroom) The learner will í	# OF DAYS NEEDED FOR MASTERY	DATES TAUGHT	DATE ASSESSED	ASSESSMENT TYPE (classroom, NESA-M, L to J Quizzes, objective, subjective, project, etc.)	RESOURCES (Materials, web sites, auto-visual, print)	LEARNING ACTIVITIES
Motion of Objects in the Solar System	SC5.4.1.b Recognize the motion of objects in the sky (Sun, Moon, stars) change over time in recognizable patterns.	5.4.1.b TLW recognize the motion of objects in the sky (Sun, Moon, stars) change over time in recognizable patterns.)				Classroom Assessments NeSA-S, L TO J QUIZZES,		Star Watch Party using iPad \