TIME	CONTENT – ESSENTIAL QUESTIONS/ MAJOR UNDERSTANDINGS	SKILLS	ASSESSMENTS
OepteEber - Juce	 Weather How does weather change over time? How are we affected by weather? Why is the Sun important to us? Natural cycles and patterns include: weather changing from day to day and through the seasons. The weather is the condition of the outside air at a particular moment. Weather can be described and measured by: general sky conditions (cloudy, sunny, partly cloudy). Everyday events involve one form of energy being changed to another: the Sun's energy warms air and water. 	 Order and sequence objects and/or events. Utilize senses optimally for making observations. Observe, analyze, and report observations of objects and events. Observe, identify, and communicate patterns. Collect and organize data using journal entries and drawings/pictoral representations. Make predictions based on prior experiences. 	 Observation of process skills Accurate recordings of observations Student sharing – complete sentences, sequencing, full descriptions, vocabulary Following directions

TIME	CONTENT – ESSENTIAL QUESTIONS/ MAJOR UNDERSTANDINGS	SKILLS	ASSESSMENTS
	 into an adult, reproduction as an adult, and eventually death. Each kind of plant goes through its own stages of growth and development that may include seed, young plant, and mature plant. The length of time from beginning of development to death of the plant is called its life span. Life cycles of some plants include changes from seed to mature plant. Each kind of animal goes through its own stages of growth and development during its life span. Growth is the process by which plants and animals increase in size. Food supplies the energy and materials necessary for growth and repair. All living things grow, take in nutrients, breath, reproduce, and eliminate waste. Senses can provide essential information (regarding danger, food, mates, etc.) to animals about their environment. Humans need a variety of healthy foods, exercise, and rest in order to grow and maintain good health. 	 Collect and organize data using journal entries and drawings/pictorial representations. Make predictions based on prior experiences. 	

TIME	CONTENT – ESSENTIAL QUESTIONS/ MAJOR UNDERSTANDINGS	SKILLS	ASSESSMENTS
	 Good health habits include hand washing and personal cleanliness; avoiding harmful substances (including alcohol, tobacco, illicit drugs); eating a balanced diet; engaging in regular exercise. Green plants are producers because they provide the basic food supply for themselves and animals. All animals depend on plants. Some animals (predators) eat other animals (prey). 		
January - Eebruary	 Matter How are objects the same or different? How can they be sorted? Matter has properties (color, hardness, odor, sound, taste, etc.) that can be observed through the senses. Measurements can be made with standard metric units and nonstandard units. The material(s) an object is made up of determine some specific properties of the object (sink/float, conductivity, magnetism). Properties can be observed or measured with tools such as hand lenses, metric rulers, thermometers, balances, magnets, circuit testers, and graduated cylinders. Objects and/or materials can be sorted or classified according to their properties. 	 Safely and accurately use a hand lens, dropper, and balance. Estimate, find, and communicate measurements using nonstandard units. Classify objects according to an established scheme. Generate a scheme for classification. Utilize senses optimally for making observations. Observe, analyze, and report observations of objects and events. 	 Unit assessment Observation of process skills Accurate recordings of observations Student sharing – complete sentences, sequencing, full descriptions, vocabulary Following directions

TIME	CONTENT – ESSENTIAL QUESTIONS/ MAJOR UNDERSTANDINGS	SKILLS	ASSESSMENTS
	 Some properties of an object are dependent on the conditions of the present surroundings in which the object exists. For example: moisture-wet or dry. Magnetism is a force that may attract or repel certain materials. 	 Collect and organize data using journal entries and drawings/pictorial representations. Make predictions based on prior experiences. 	

TIME	CONTENT - ESSENTIAL QUESTIONS/	SKILLS	ASSESSMENTS
	MAJOR UNDERSTANDINGS		
March - Apr	 Motion How can you make an object move? Energy exists in various forms: heat, electric, sound, chemical, mechanical, light. (<i>Kindergarten focuses on heat and light.</i>) Energy can be transferred from one place to another. Interactions with forms of energy can be either helpful or harmful. The position of an object can be described by locating it relative to another object or the background (e.g., on top of, next to, over, under, etc.). The position or direction of motion of an object can be changed by pushing or pulling. The force of gravity pulls objects toward the center of Earth. Magnetism is a force that may attract or repel certain materials. 	 Safely and accurately use a hand lens, dropper, and balance. Estimate, find, and communicate measurements using nonstandard units. Classify objects according to an established scheme. Generate a scheme for classification. Utilize senses optimally for making observations. Observe, analyze, and report observations of objects and events. Generate appropriate questions (teacher and student based) in response to observations, events, and other experiences. 	 Unit assessment Observation of process skills Accurate recordings of observations Student sharing – complete sentences, sequencing, full descriptions, vocabulary Following directions

TIME	CONTENT – ESSENTIAL QUESTIONS/ MAJOR UNDERSTANDINGS	SKILLS	ASSESSMENTS
		 Collect and organize data using journal entries and drawings/pictorial representations. Make predictions based on prior experiences. Communicate procedures and conclusions through oral and written presentations. 	

TIME	CONTENT - ESSENTIAL QUESTIONS/ MAJOR UNDERSTANDINGS	SKILLS	ASSESSMENTS
<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	 What is the surface of the Earth made up of? Water is recycled by natural processes on Earth: run-off water flowing on Earth's surface. Erosion and deposition result from the interaction among air, water, and land: interaction between air and water breaks down earth materials. pieces of earth material may be moved by air, water, wind, and gravity. soil is composed of broken-down pieces of living and nonliving earth materials. 	 Utilize senses optimally for making observations. Observe, analyze, and report observations of objects and events. Generate appropriate questions (teacher and student based) in response to observations, events, and other experiences. Collect and organize data using journal entries and drawings/pictorial representations. Make predictions based on prior experiences. 	 Unit assessment Observation of process skills Accurate recordings of observations Student sharing – complete sentences, sequencing, full descriptions, vocabulary Following directions