September 2 ^{ma} – November 14 ^m , continued				
Interactive Science Lesson	VOCABULARY			
Chapter 1 The Nature of Science	Hypothesis: statement of what you think will happen during an investigation.			
 What do scientists do? 	Variable: something that can change in a test.			
 How do scientists investigate? 	Control Group: a standard against which is measured.			
• How do scientists collect and interpret	Observation: something you find out about objects, events, or living things using			
data?	your senses.			
How do scientists support their	Procedures: step-by-step instructions for completing a task.			
conclusions?	Experiment: the use of scientific methods to test a hypothesis.			
	Inference: a conclusion based on observations			
	Data: information from which a conclusion can be drawn or a prediction can be			
Chapter 1 Test	made.			
	Evidence : observations that make you believe something is true.			
	<u>Precision</u> : the ability to consistently repeat a measurement.			
	Accuracy: ability to make a measurement that is as close to the actual value as			
	possible.			
Resources:				
Physical Science Notebook O	Observation, Inference, Prediction			
Scientific Method Stations C	Observation Activity			
Science Jim - Observations Co	<u>Coin Lab</u>			

Trimester 1: SCIENCE September 2nd – November 14th , continued

	September Z –	November 14, continued
IN STATE STANDARD	Interactive Science Lesson	VOCABULARY
 Standard 3: Life Science 5.3.1 observe and classify common Indiana organisms as producers, consumers, decomposers, predator and prey based on their relationship and interaction with other organisms in their ecosystem. 5.3.2 investigate the action of different decomposers and compare their role in an ecosystem with that of producers and consumers. 	 Chapter 6 Ecosystem What are parts of an ecosystem? How do organisms interact? How do some Indiana organisms interact? How do organisms get and use energy? How do people impact ecosystems? 	Community: the group of all populations in an area. Ecosystem: all the living and nonliving things in an area and their interactions. Predator: an animal that hunts and eats another animal. Habitat: a place that provides all the things an organism needs to live. Prey: any animal that is hunted by others for food. Population: a group of organisms of one species that live in an area at the same time. Cellular respiration: the process by which cells break down sugar to release energy. Deciduous plant: a plant that loses all of its leaves for a part of the year. Producer: organism that makes its own food for energy. Pollution: any substance that damages the environment. Evergreen Plant: a plant that keeps green leaves on its branches all year. Consumer: organism that cannot make its own food. Conservation: an attempt to preserve or protect an environment from harmful changes. Photosynthesis: the process that plants use to make sugar for food. Decomposer: organisms that gets its energy breaking down wastes and dead organisms.
Resources:		
Ecosystem Stations	Ecosystem Interactiv	
<u>Life Science</u>	Ecosystem Brochure	Project

Trimester 1: SCIENCE September 2nd – November 14th, continued

Trimester 2: SCIENCE November 14th – February 27th , continued

IN STATE STANDARD	IN STATE STANDARD Interactive Science VOCABULARY				
	Lesson				
Standard 2: Earth Science 5.2.1 recognize that our earth is part of the solar system in which the sun, an average star, is the central and largest body. Observe that our solar system includes the sun, moon, seven other planets and their moons, and many other smaller objects like asteroids and comets. 5.2.2 observe and use pictures to record how the sun appears to move across the sky in the same general way every day but rises and sets in different places as the seasons change.	 Chapter 5 Solar System What is the solar system? What is the sun? What are the inner planets? What are the outer planets? How does Earth move? What are the phases of the moon? 	 Solar flare: an explosive eruption of waves and particles into space. Star: a huge ball of very hot gas that gives off energy. Constellation: the sun and its planets, along with moons, asteroids, and comets. Solar system: a group of stars that forms a pattern. Inner planet: any of the four closest planets to the sun. Planet: a large, round object that revolves around a star and has cleared the region around its orbit. Eclipse: event in which one object in space gets between the sun and another object. Axis: an imaginary line around which an object spins. Orbit: the path an object takes as it revolves around a star, planet, or moon. Lunar eclipse: event in which the moon passes through Earth's shadow. Rotation: one whole spin of an object on its axis. Moon: a natural object that revolves around a planet. Solar eclipse: event in which the moon passes between the sun and the Earth and casts its shadow on Earth. Revolution: one full orbit around an object. Outer planet: any of the four planets in our solar system beyond. 			
Resources:					
Astronomy A Totally Tourist Rocky Planets Video Mr. DeMaio Solar System 20 minutes					
Earth and Space					

Trimester 3: SCIENCE February 27th – June 3rd, continued

Trimester 3: SCIENCE February 27th – June 3rd , continued

IN STATE STANDARD	Interactive Science Lesson	VOCABULARY
 Standard 1: Physical Science 5.1.1 describe and measure the volume and weight of a sample of a given material. 5.1.2 describe the difference between weight and mass. Understand that weight is dependent on gravity and mass is the amount of matter in a given substance or material. 5.1.3 demonstrate that regardless of how parts of an object are assembled the weight of the whole object is identical to the sum of the weight of the parts; however, the volume can differ from the sum of the volumes. 5.1.4 determine if matter has been added or lost by comparing weights when melting freezing or dissolving a sample of a substance. 	 Chapter 4 Physical and Chemical Changes How do you measure matter? How do physical changes affect properties? How do chemical changes affect properties? 	 Volume: the amount of space an object takes up. Physical change: a change in some properties of matter without forming a different kind of matter. Melting: the change of a solid into a liquid. Mass: the amount of matter in a solid, liquid, or gas. Freezing: the change of a liquid into a solid Weight: the force of Earth's pull on an object. Chemical Change: a change of one or more types of matter into other types of matter with different properties. Law of Conservation of Mass: a rule stating that in a chemical change, mass is not created or destroyed; it only changes from one from to another.
Resources:		·

Trimester 3: SCIENCE February 27th – June 3rd, continued

Science Resource:

Science All in One Notebook

Processing Skills Notebook

Science Sorts

Science Notebook Templates