

CONCEPT	SKILLS	LEVEL	CHAPTER	TEACHING NOTES
<b>I. Humans and Heredity</b>				
	1. Introduction to Science	P,M	1	Labs on Scientific Method,
	2. Scientific Method	P,M	1	measurement, genetics and
	3. Science and Technology	I,P	1	inheritance. Also activities
	4. Traits and the Environment	I,P	2	that include relationship with
	5. Genetics and the mechanism of inheritance	I,P	2	the environment, and human
	6. Impact of environment on living things	I,P	2	anatomy.
	7. Understand the human organism	I,P	3	
	8. Understand how the body works	I,P	3	
<b>II. Ecology</b>				
	1. Learn how life interacts with the planet Earth	I,P	4	Labs and activities will include
	2. Study populations of living things	I,P	4	a study on populations, analyze
	3. Learn how the populations adjust within an ecosystem	I,P	4	the non-living factors, and
	4. Study the non-living factors in an environment	I,P	5	activities on energy and
	5. Learn about the many cycles that exist in nature	I,P	5	the creation of biomes by
	6. Understand how energy moves through an ecosystem	I,P	5	the students
	7. Study how ecosystems change	I,P	6	
	8. Learn about the many biomes that exist on Earth	P,M	6	
	9. Study the man aquatic ecosystems	P,M	6	
<b>III. Earth's Changes over Time</b>				
	1. Learn about Continental Drift and Sea-Floor spreading and how those theories were expanded upon	P,M	7	Labs will be conducted to help students understand the
	2. Study the Theory of Plate Tectonics	P,M	7	relationship between plate
	3. Earthquakes and Volcanoes, and their relationship with plate tectonics	P,M	8	tectonic and the changes that have occurred over time. They
	4. Fossils, and how we date rocks through relative and absolute dating	P,M	9	also complete and activity to help them understand the
	5. Learn about the history of the Earth, and the concept of geologic time	P,M	10	concept of geologic time. We are going to move towards a
	6. Will learn about the forces that caused the Earth to change, and caused mass extinctions	P,M	10	mastery of these topics.
<b>IV. Earth's Place in the Universe</b>				

	1. Learn about Earth as a planet	P,M	11	The labs and activities in this
	2.. Understand the relationship between the Earth and our Moon.	P,M	11	unit will focus on the use of models in science to study
	3. Will understand how the phases of the moon occur and how an eclipse happens	P,M	11	things that are too large, too far away, and too dangerous to
	4. Will learn about the Solar System that the Earth is a part of	P,M	12	study up close. We are going to move towards a mastery
	5. Understand the different classifications of planets	P,M	12	of these topics.
	6. Will study the many objects that orbit the sun but are not a planet or a moon	P,M	12	
	7. Will learn the processes that allow the formation of a new star and star system	I,P	13	
	8. Students will study galaxies, and the universe	I,P	13	
	9. Understand the life cycle and death of a star	I,P	13	
	10. Will study the composition of our sun.	I,P	13	
	<b>V. Chemistry of Matter</b>			
	<b>VI. Motion, Forces, and Energy</b>			
	<b>VII. Physical Interactions</b>			



