Please note that we might need colored copies of test and will definitely need one test in Braille.

Course Title: Access Earth/ Space Science **Course Number: 7920020**			
NGSSS Benchmark	**Content Focus**	**Number of Questions**	**Suggested Cognitive Complexity** *(per CPALMS)*
Reporting Category 1: Explain how the scientific theory of evolution is supported by the fossil record, comparative anatomy, comparative embryology, biogeography, molecular biology, and observed evolutionary change.			
SC.912.L.15.1	Explain how the scientific theory of evolution is supported by the fossil record, comparative anatomy, comparative embryology, biogeography, molecular biology, and observed evolutionary change.	1	1 level 2
SC.912.L.15.1	Explain how the scientific theory of evolution is supported by the fossil record, comparative anatomy, comparative embryology, biogeography, molecular biology, and observed evolutionary change.	1	1 level 1
Reporting Category Total		2	
Reporting Category 2: Describe and differentiate the layers of Earth and the interactions among them.			
SC.912.E.6.1	Recognize the three layers of Earth (core, mantle, and crust).	1	2
SC.912.E.6.1	Identify a surface feature of Earth, such as a hill.	1	1
Reporting Category Total		2	
Reporting Category 3: Describe instances in which scientists' varied backgrounds, talents, and goals influence the inferences and thus the explanations that they make about observations of natural phenomena and describe the competing interpretations (explanations) of scientists are a strength of science as they are a source of new, testable ideas that have the potential to add new evidence to support one or another of the explanations.			
SC.912.N.2.5	Recognize an example of work by scientist.	1	1
Reporting Category Total		1	

Reporting Category 4: Explain how scientific knowledge and reasoning provide an empirically- based perspective to inform society's decision making.			
SC.912.N.4.1	Recognize science information that helps people.	1	1
Reporting Category Total		1	
Reporting Category 5: Describe and predict how initial mass of a star determines its evolution.			
SC.912.E.5.9	Recognize that stars are made of burning gas.	1	2
Reporting Category Total		1	
Reporting Category 6: Identify patterns in the organization and distribution of matter in the universe and the forces that determine them.			
SC.912.E.5.2	Recognize that when objects move away from each other, the distance between them expands.	1	1
Reporting Category Total		1	
Reporting Category 7: Explain the physical properties of the Sun and its dynamic nature and connect them to conditions and events on Earth.			

SC.912.E.5.4	Describe observable effects of the Sun on Earth, such as change in light and temperature.	1	2
Reporting Category Total			
Reporting Category 8: Explain the formation of planetary systems based on our knowledge of our Solar System and apply this knowledge to newly discovered planetary systems.			
SC.912.E.5.5	Recognize earth is a planet.	1	1
Reporting Category Total		2	
Reporting Category 9: Develop connections through physical principles , including Kepler's and Newton's Laws about the relationships and effects of Earth, Moon, and Sun on each other.			
SC.912.E.5.6	Recognize and eclipse.	1	2
Reporting Category Total		1	
Reporting Category 10: Analyze the movement of matter and energy through the different biochemical cycles, including water and carbon.			
SC.912.E.7.1	Recognize that clouds release rain (part of the water cycle).	1	1
Reporting Category Total		1	
Reporting Category 11: Analyze the causes of the various kinds of surface and deep water motion within the oceans and their impacts on transfer of energy between the poles and the equator.			
SC.912.E.7.2	Recognize waves in the ocean.	1	1
Reporting Category Total		1	
Reporting Category 12: Differentiate and describe the various interactions among Earth's systems, including: atmosphere, hydrosphere, cryosphere, geosphere and biosphere.			
SC.912.E.7.3	Recognize that humans, plants and animals live on Earth (biosphere).	1	1
Reporting Category Total		1	
Reporting Category 13: Summarize the conditions that contribute to the climate of a geographic area, including the relationships to lakes and oceans.			
SC.912.E.7.4	Identify the climate conditions in different parts of the world.	1	2
Reporting Category 14: Predict future weather conditions based on present observations and conceptual models and recognize limitations and uncertainties of such predictions.			
SC.912.E.7.5	Recognize the weather conditions, including severe weather in Florida.	1	1
Reporting Category Total		2	
Reporting Category 15: Compare the magnitude and range of the four fundamental forces (gravitational, electromagnetic, weak nuclear, strong nuclear).			
SC.912.P.10.10	Recognize that an object falls unless stopped (gravity).	1	1
Reporting Category Total		1	
Reporting Category 16: Explain and compare nuclear reactions (radioactive decay, fission, and fusion), the energy change associated with them and their associated safety issues.			
SC.912.P.10.11	Recognize the universal safety symbols for radioactive and other hazardous materials.	1	1
Reporting Category Total		1	

Overall Percentage for Written Test:_____
Overall Percentage for Performance Tasks:_____