

Course Title: Comprehensive Science 1- Grade 6 (edits)**Course Number:** 2002040

NGSSS Benchmark	Content Focus	Number of Questions	Suggested Cognitive Complexity (per CPALMS)
<i>Reporting Category 1: Nature of Science</i>			
SC.6.N.1.1	Define a problem and identify variables	1	1 level 3 2
SC.6.N.1.2	Replicable vs. Repeatable	1	1 level 2
SC.6.1.3 & 1.4	Differentiate between experiments and investigations. Discuss, compare and negotiate results.	2	2 level 2 1 level 3
SC.6.N.2.2	Science is durable and open to change	2	2 level 2
SC.6.N.3.1 & 3.2	Differentiate between a theory and scientific theory and the difference between a scientific theory and a scientific law.	2	1 level 1 1 level 2
SC.6.N.3.4	Importance of models	2	1 level 1 2 level 2
<i>Reporting Category Total</i>		10	
<i>Reporting Category 2: Physical Science</i>			
SC.6.P.11.1	Law of conservation of energy	2	2 level 2 1 level 3
SC.6.P.12.1	Measure and graph distance vs. time	2	1 level 2 1 level 3
SC.P.13.1	Types of forces acting at a distance, contact vs noncontact	2	2 level 2
SC.P.13.2	Law of Gravity	2	1 level 1 2 level 2
SC.P. 13.3	Unbalanced forces change speed, direction or both	2	1 level 1 2 level 2
<i>Reporting Category Total</i>		10	
<i>Reporting Category 3: Earth Space Science</i>			
SC.6.E.6.1	Physical and chemical weather and erosion / deposition	3	3 level 2
SC.6.E.6.2	Landforms.	1	1 level 1 1 level 2
SC.6.E.7.1	Radiation, conduction & convection / heat transfer	3	2 level 2 1 level 3 1
SC.6.E.7.2	Weather patterns and climate	1	1 level 2
SC.6.E.7.3 & 7.5	Importance of the sun as the energy source for global patterns such as jet stream gulf stream and weather in measurable terms	2	2 level 2
SC.6.E.7.4	Interactions between Earth's spheres.	3	1 level 1 1 level 2 1 level 3
SC.6.E.7.6	Differentiate between weather and climate	1	1 level 2
SC.6.E.7.9	How the composition and structure of the atmosphere protects life and insulates the planet.	1	1 level 2

<i>Reporting Category Total</i>		15	
<i>Reporting Category 4: Life Science</i>			
SC.6.L.14.1	Describe and identify patterns in the hierarchal organization of organisms from atoms to molecules and cells to tissues to organs to organ systems to organisms.	1	1 level 2
SC.6.L.14.2	Investigate and explain the components of the scientific theory of cells (cell theory): all organisms are composed of cells (single or multi-cellular), cells are basic unit of life and that all cells come from pre-existing cells.	1	1 level 2
SC.6.L.14.4	Compare and contrast the structure and function of major organelles of plant and animal cells, including cell wall, cell membrane, nucleus, cytoplasm, chloroplasts, mitochondria, and vacuoles.	1	1 level 3 1
SC.6.L.14.5 / 14.6	Identify and investigate the general functions of the major systems of the human body (digestive, respiratory, circulatory, reproductive, excretory, immune, nervous, and muscular/ skeletal) and describe ways these systems interact with each other to maintain homeostasis.	1	1 level 1 2
SC.6.L.15.1	Analyze & describe how and why organisms are classified according to shared characteristics, with emphasis on the Linnaean system combined with the concept of Domains.	1	1 level 2
<i>Reporting Category Total</i>		5	

Overall Percentage for Written Test: _____100%_____