

Cycle 2 Assessment 2018-2019 2002070 MJ Comp Science 2	Blueprint Template w/o TEI Items														
	Item Types & Point Values						Estimated Item Difficulty			Item Complexity Webb's DOK				Total # of Items	Comments/Content Limits
Benchmark	#Multiple Choice	Point Value per MC Question	#Constructed Response	Point Value per CR question	# Performance Tasks	Point Value per PT	# Easy	#Average	#Challenging	#Level 1 (Recall)	#Level 2 (Skill/ Concept)	#Level 3 (Strategic Thinking)	#Level 4 (Extended Thinking)		
SC.7.E.6.4: Explain and give examples of how physical evidence supports scientific theories that Earth has evolved over geologic time due to natural processes.	5	1	0	0	0	0	1	3	1	1	3	1	0	5	
SC.7.E.6.3: Identify current methods for measuring the age of Earth and its parts, including the law of superposition and radioactive dating.	5	1	0	0	0	0	1	3	1	1	3	1	0	5	
SC.7.L.16.1: Understand and explain that every organism requires a set of instructions that specifies its traits, that this hereditary information (DNA) contains genes located in the chromosomes of each cell, and that heredity is the passage of these instructions from one generation to another.	5	1	0	0	0	0	1	3	1	1	3	1	0	5	
SC.7.L.16.2: Determine the probabilities for genotype and phenotype combinations using Punnett Squares and pedigrees.	5	1	0	0	0	0	1	3	1	1	3	1	0	5	
SC.7.L.16.3: Compare and contrast the general processes of sexual reproduction requiring meiosis and asexual reproduction requiring mitosis.	5	1	0	0	0	0	1	3	1	1	3	1	0	5	
SC.7.L.15.2: Explore the scientific theory of evolution by recognizing and explaining ways in which genetic variation and environmental factors contribute to evolution by natural selection and diversity of organisms.	5	1	0	0	0	0	1	3	1	1	3	1	0	5	
SC.7.L.15.1: Recognize that fossil evidence is consistent with the scientific theory of evolution that living things evolved from earlier species.	5	1	0	0	0	0	1	3	1	1	3	1	0	5	
SC.7.L.15.3: Explore the scientific theory of evolution by relating how the inability of a species to adapt within a changing environment may contribute to the extinction of that species.	5	1	0	0	0	0	1	3	1	1	3	1	0	5	

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SC.7.E.6.2: Identify the patterns within the rock cycle and relate them to surface events (weathering and erosion) and sub-surface events (plate tectonics and mountain building).	4	1	0	0	0	0	0	2	2	0	2	2	0	4	
SC.7.E.6.6: Identify the impact that humans have had on Earth, such as deforestation, urbanization, desertification, erosion, air and water quality, changing the flow of water.	3	1	0	0	0	0	0	2	1	0	2	1	0	3	
SC.7.E.6.5: Explore the scientific theory of plate tectonics by describing how the movement of Earth's crustal plates causes both slow and rapid changes in Earth's surface, including volcanic eruptions, earthquakes, and mountain building.	4	1	0	0	0	0	0	2	2	0	2	2	0	4	
SC.7.E.6.1: Describe the layers of the solid Earth, including the lithosphere, the hot convecting mantle, and the dense metallic liquid and solid cores.	3	1	0	0	0	0	0	2	1	0	2	1	0	3	
SC.7.E.6.7: Recognize that heat flow and movement of material within Earth causes earthquakes and volcanic eruptions, and creates mountains and ocean basins.	3	1	0	0	0	0	0	2	1	0	2	1	0	3	
SC.7.N.1.1: Define a problem from the seventh grade curriculum, use appropriate reference materials to support scientific understanding, plan and carry out scientific investigation of various types, such as systematic observations or experiments, identify variables, collect and organize data, interpret data in charts, tables, and graphics, analyze information, make predictions, and defend conclusions.	3	1	0	0	0	0	0	3	0	0	1	2	0	3	
	60		0		0		8	37	15	8	35	17	0	60	
Total Points Per Item Type	60		0		0										
% of Points Per Item Type	100.0%		0.0%		0.0%										