

Physical Properties of Matter	Unit	CHECKPOINT			
Priysical Properties of Matter	Ollit	1	2	3	
4.3 Matter and energy. The student knows that matter has measurable physical					
properties and those properties determine how matter is classified, changed, and					
used. The student will explain what it means to say that God created the world and					
all matter out of nothing at a certain point in time. *.					

- 4.1A display a deep sense of wonder and delight about the natural universe *
- 4.1B describe the unity of faith and reason *
- 4.1C describe relationships, elements, underlying order, harmony, and meaning *
- 4.1D share concern and care for the environment as part of God's creation *

Locure	sing Propose Standards (Tople to Know)	Unit	CH	HECKPOI	NT
Leam	ing Process Standards (Tools to Know)	Unit	1	2	3
4.2A	plan and conduct investigations				
4.2B	collect information using appropriate scientific tools				

Cont	ont	Unit	CHECKPOINT			
Com	eni	Onit	1	2	3	
Prope	perties of Matter					
4.3A	measure, compare, and contrast physical properties of matter, including mass, volume, states (solid, liquid, and gas), temperature, magnetism, and the ability to sink or float					
4.3A.1	compare and contrast a variety of mixtures, including solutions					

Lagren	Learning Process Standards (Ways to Show)	Unit	CHECKPOINT			
Lean			1	2	3	
4.2C	record and organize data and observations					
4.2D	communicate observations about investigations					



Force Motion and Fnorm	Unit	CHECKPOINT			
Force, Motion, and Energy	Onit	1	2	3	
4.4 Force, motion, and energy. The student knows that energy exists in many forms and					
can be observed in cycles, patterns, and systems.					

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Loar	ning Process Standards (Tools to Know)	Unit	CHECKPOINT					
Lean	iling Frocess standards (100is to know)		1	2	3	l		
4.2A	plan and conduct investigations							
4.2B	collect information using appropriate scientific tools							

Cont	ont	Unit	CHECKPOINT				
Con	епт	Unit	1	2	3		
Forms	of Energy						
4.4A	differentiate among forms of energy, including mechanical, sound, electrical, light, and thermal						
Electri	city						
4.4B	demonstrate that electricity travels in a closed path, creating an electrical circuit						
4.4B.1	differentiate between conductors and insulators of thermal and electrical energy						
Force							
4.4C	design a descriptive investigation to explore the effect of force on an object such as a push or a pull, gravity, friction, or magnetism						

Logra	earning Process Standards (Ways to Show)	Unit	CHECKPOINT			
Learning Process Standards (ways to Snow)	Unit	1	2	3		
4.2C	record and organize data and observations					
4.2D	communicate observations about investigations					



Natural Resources and Changes to Earth's Surface	Unit	CHECKPOINT			
Natural Resources and Changes to Earth 5 Surface	Unit	1	2	3	
4.5 Earth and space. The student knows that Earth consists of useful resources and its					
surface is constantly changing. The student shares care and concern for the					
environment as part of God's creation through the processes of conservation,					
preservation, overconsumption, and stewardship. *					

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Logra	ing Process Standards (Tools to Know)	Unit	Cŀ	HECKPOIN	NT
Leam	ling Frocess Standards (1001s to know)	Onit	1	2	3
4.2A	plan and conduct investigations				
4.2B	collect information using appropriate scientific tools				

Cont	lank	Unit	CHECKPOINT			
Cont	eni	Onit	1	2	3	
Prope	examine properties of soils, including color and texture, capacity to retain water, and ability to support the growth of plants					
4.5A						
Chang	ges to Earth's Surface					
4.5B	observe and identify slow changes to Earth's surface caused by weathering, erosion, and deposition from water, wind, and ice					

Loore	sing Dragge Chandards (Mayerta Chaye)	Unit	Cŀ	IECKPOII	NΤ
Learning Process Standards (Ways to Show)	Unit	1	2	3	
4.2C	record and organize data and observations				
4.2D	communicate observations about investigations				



Earth's Cycles and Patterns	Unit	CHECKPOINT			
Earth's Cycles and Patterns	Onit	1	2	3	
4.5 Earth and space. The student knows that there are recognizable patterns in the natural world and among the Sun, Earth, and Moon system. The student describes God's relationship with man and nature. *					

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Loore	sing Dragges Standards (Table to Know)	Unit	CHECKPOINT					
Lean	ning Process Standards (Tools to Know)		1	2	3	1		
4.2A	plan and conduct investigations					1		
4.2B	collect information using appropriate scientific tools							

Cont	ont	Unit	CHECKPOINT				
Coni	еш	Onit	1	2	3		
Weath	ner						
4.5C	measure, record, and predict changes in weather						
4.5C.1	describe and illustrate the continuous movement of water above and on the surface of Earth through the water cycle and explain the role of the Sun as a major source of energy in this process						
4.5C.2	collect and analyze data to identify sequences and predict patterns of change in shadows, seasons, and the observable appearance of the Moon over time						

Lagren	sing Propose Standards (Wayerto Show)	Unit	CHECKPOINT				
Leam	Learning Process Standards (Ways to Show)		1	2	3		
4.2C	record and organize data and observations						
4.2D	communicate observations about investigations						



Interactions of Organisms in Ecosystems	Unit	CHECKPOINT			
interactions of Organisms in Ecosystems	Unit	1	2	3	
4.6 Organisms and environments. The student knows and understands that living					
organisms within an ecosystem interact with one another and with their environment.					
The student explains how creation is an outward sign of God's love. *					

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Logr	Process Standards (Tools to Know)	Unit	Cŀ	HECKPOI	TV
Lean	ning Process Standards (Tools to Know)	Unit	1	2	3
4.2A	plan and conduct investigations				
4.2B	collect information using appropriate scientific tools				

Con	lant	Unit	CHECKPOINT			
Com	letii	Onit	1	2	3	
Food	Webs					
4.6A	describe the flow of energy through food webs, beginning with the Sun, and predict how changes in the ecosystem affect the food web					
4.6A.1	investigate that most producers need sunlight, water, and carbon dioxide to make their own food, while consumers are dependent on other organisms for food					

Logre	ning Process Standards (Ways to Show)	Unit	CHECKPOINT				
Lean	g Frocess significations (ways to snow)		1	2	3		
4.2C	record and organize data and observations						
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A dant	ations and Behaviors	Unit	CHECKPOINT				
Auapt	ations and benaviors	Ollit	1	2	3		
4.6	Organisms and environments. The student knows that organisms undergo similar life processes and have structures and behaviors that help them survive within their environments and gives examples of the beauty evident in God's creation. *						

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Loor	ning Propose Standards (Tools to Know)	Unit	CHECKPOINT				
Lean	ning Process Standards (Tools to Know)	Unit	1	2	3		
4.2A	plan and conduct investigations						
4.2B	collect information using appropriate scientific tools						

Con	loul	Unit	Cŀ	VT		
Con	tent	Unit	1	2	3	
Adap	tations					
4.6B	explore how structures and functions enable organisms to survive in their environment					
Inher	ited Traits and Learned Behaviors					
4.6C	explore and describe examples of traits that are inherited from parents to offspring such as eye color and shapes of leaves and behaviors that are learned such as reading a book and a wolf pack teaching their pups to hunt effectively					
Life C	ycles					
4.6D	explore, illustrate, and compare life cycles in living organisms such as beetles, crickets, radishes, or lima beans					

Logr	ning Process Standards (Ways to Show)	Unit	CHECKPOINT					
Lean	ning Process Standards (Ways to Show)		1	2	3			
4.2C	record and organize data and observations							
4.2D	communicate observations about investigations							



	PROCESS STANDARDS: SCIENTIFIC INVESTIGATION AND REASONING		Unit	CHECKPOINT			
			Unit	1	2	3	
4.2	The student uses scientific practices during laboratory and scientific investigations and uses critical thinking and scientific problem solving to make informed decisions.	Tools to Know					
		Ways to Show					

	TOOLS TO KNOW		CHECKPOINT		
			1	2	3
4.2A	plan and conduct investigations				
4.2B	collect information using appropriate scientific tools				

	WAYS TO SHOW		CHECKPOINT		
			1	2	3
4.2C	record and organize data and observations				
4.2D	communicate observations about investigations				

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