

Business – Nevada Academic Content Standards for Science Matrix

Disciplinary Core Idea:

Physical Science (PS) 1: Matter and its Interactions

County (County Seat)	Topics		
	Structure of Matter	Chemical Reactions	Nuclear Processes
Carson			
Churchill (Fallon)			
Clark (Las Vegas)			
Douglas (Minden)			
Elko (Elko)			
Esmeralda (Goldfield)			
Eureka (Eureka)			
Humboldt (Winnemucca)			
Lander (Battle Mountain)			
Lincoln (Pioche)			
Lyon (Yerington)			
Mineral (Hawthorne)			
Nye (Tonopah)			
Pershing (Lovelock)			
Storey (Virginia City)			
Washoe (Reno)			
White Pine (Ely)			

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Disciplinary Core Idea:

Physical Science (PS) 2: Motion and Stability: Forces and Interactions

County (County Seat)	Topics		
	Forces and Motions	Types of Interactions	Stability and Instability in Physical Systems
Carson			
Churchill (Fallon)			
Clark (Las Vegas)			
Douglas (Minden)			
Elko (Elko)			
Esmeralda (Goldfield)			
Eureka (Eureka)			
Humboldt (Winnemucca)			
Lander (Battle Mountain)			
Lincoln (Pioche)			
Lyon (Yerington)			
Mineral (Hawthorne)			
Nye (Tonopah)			
Pershing (Lovelock)			
Storey (Virginia City)			
Washoe (Reno)			
White Pine (Ely)			

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Disciplinary Core Idea:
Physical Science (PS) 3: Energy

County (County Seat)	Topics			
	Definitions of Energy	Conservation of Energy and Energy Transfer	Relationship between Energy and Forces	Energy in Chemical Processes and Everyday Life
Carson				
Churchill (Fallon)				
Clark (Las Vegas)				
Douglas (Minden)				
Elko (Elko)				
Esmeralda (Goldfield)				
Eureka (Eureka)				
Humboldt (Winnemucca)				
Lander (Battle Mountain)				
Lincoln (Pioche)				
Lyon (Yerington)				
Mineral (Hawthorne)				
Nye (Tonopah)				
Pershing (Lovelock)				
Storey (Virginia City)				
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White Pine (Ely)				

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Disciplinary Core Idea:

Physical Science (PS) 4: Waves and their Applications in Technological for Information Transfer

County (County Seat)	Topics		
	Wave Properties	Electromagnetic Radiation	Information Technologies and Instrumentation
Carson			
Churchill (Fallon)			
Clark (Las Vegas)			
Douglas (Minden)			
Elko (Elko)			
Esmeralda (Goldfield)			
Eureka (Eureka)			
Humboldt (Winnemucca)			
Lander (Battle Mountain)			
Lincoln (Pioche)			
Lyon (Yerington)			
Mineral (Hawthorne)			
Nye (Tonopah)			
Pershing (Lovelock)			
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White Pine (Ely)			

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Disciplinary Core Idea:

Life Science (LS) 1: From Molecules to Organisms: Structures and Processes

County (County Seat)	Topics			
	Structure and Function	Growth and Development of Organisms	Organization for Matter and Energy Flow in Organisms	Information Processing
Carson				
Churchill (Fallon)				
Clark (Las Vegas)				
Douglas (Minden)				
Elko (Elko)				
Esmeralda (Goldfield)				
Eureka (Eureka)				
Humboldt (Winnemucca)				
Lander (Battle Mountain)				
Lincoln (Pioche)				
Lyon (Yerington)				
Mineral (Hawthorne)				
Nye (Tonopah)				
Pershing (Lovelock)				
Storey (Virginia City)				
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White Pine (Ely)				

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Disciplinary Core Idea:

Life Science (LS) 2: Ecosystems: Interactions, Energy, and Dynamics

County (County Seat)	Topics			
	Interdependent Relationships in Ecosystems	Cycles of Matter and Energy Transfer in Ecosystems	Ecosystem Dynamics, Functioning, and Resilience	Social Interactions and Group Behavior
Carson				
Churchill (Fallon)				
Clark (Las Vegas)				
Douglas (Minden)				
Elko (Elko)				
Esmeralda (Goldfield)				
Eureka (Eureka)				
Humboldt (Winnemucca)				
Lander (Battle Mountain)				
Lincoln (Pioche)				
Lyon (Yerington)				
Mineral (Hawthorne)				
Nye (Tonopah)				
Pershing (Lovelock)				
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White Pine (Ely)				

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Disciplinary Core Idea:

Life Science (LS) 3: Heredity: Inheritance and Variation of Traits

County (County Seat)	Topics	
	Inheritance of Traits	Variation of Traits
Carson		
Churchill (Fallon)		
Clark (Las Vegas)		
Douglas (Minden)		
Elko (Elko)		
Esmeralda (Goldfield)		
Eureka (Eureka)		
Humboldt (Winnemucca)		
Lander (Battle Mountain)		
Lincoln (Pioche)		
Lyon (Yerington)		
Mineral (Hawthorne)		
Nye (Tonopah)		
Pershing (Lovelock)		
Storey (Virginia City)		
Washoe (Reno)		
White Pine (Ely)		

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Disciplinary Core Idea:

Life Science (LS) 4: Biological Evolution: Unity and Diversity

County (County Seat)	Topics			
	Evidence of Common Ancestry and Diversity	Natural Selection	Adaptation	Biodiversity and Humans
Carson				
Churchill (Fallon)				
Clark (Las Vegas)				
Douglas (Minden)				
Elko (Elko)				
Esmeralda (Goldfield)				
Eureka (Eureka)				
Humboldt (Winnemucca)				
Lander (Battle Mountain)				
Lincoln (Pioche)				
Lyon (Yerington)				
Mineral (Hawthorne)				
Nye (Tonopah)				
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White Pine (Ely)				

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Disciplinary Core Idea:

Earth and Space Science (ESS) 1: Earth’s Place in the Universe

County (County Seat)	Topics		
	The Universe and its Stars	Earth and the Solar System	The History of Planet Earth
Carson			
Churchill (Fallon)			
Clark (Las Vegas)			
Douglas (Minden)			
Elko (Elko)			
Esmeralda (Goldfield)			
Eureka (Eureka)			
Humboldt (Winnemucca)			
Lander (Battle Mountain)			
Lincoln (Pioche)			
Lyon (Yerington)			
Mineral (Hawthorne)			
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Disciplinary Core Idea:

Earth and Space Science (ESS) 2: Earth’s Systems

County (County Seat)	Topics				
	Earth Materials and Systems	Plate Tectonics and Large-Scale System Interactions	The Roles of Water in Earth’s Surface Processes	Weather and Climate	Biogeology
Carson					
Churchill (Fallon)					
Clark (Las Vegas)					
Douglas (Minden)					
Elko (Elko)					
Esmeralda (Goldfield)					
Eureka (Eureka)					
Humboldt (Winnemucca)					
Lander (Battle Mountain)					
Lincoln (Pioche)					
Lyon (Yerington)					
Mineral (Hawthorne)					
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Pershing (Lovelock)					
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Disciplinary Core Idea:

Earth and Space Science (ESS) 3: Earth and Human Activity

County (County Seat)	Topics		
	Natural Resources	Natural Hazards	Human Impact on Earth Systems
Carson			
Churchill (Fallon)			
Clark (Las Vegas)			
Douglas (Minden)			
Elko (Elko)			
Esmeralda (Goldfield)			
Eureka (Eureka)			
Humboldt (Winnemucca)			
Lander (Battle Mountain)			
Lincoln (Pioche)			
Lyon (Yerington)			
Mineral (Hawthorne)			
Nye (Tonopah)			
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Washoe (Reno)			
White Pine (Ely)			

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Disciplinary Core Idea:

Engineering, Technology, and Applications of Science (ETS) 1: Engineering Design

County (County Seat)	Topics
	Engineering Design
Carson	
Churchill (Fallon)	
Clark (Las Vegas)	
Douglas (Minden)	
Elko (Elko)	
Esmeralda (Goldfield)	
Eureka (Eureka)	
Humboldt (Winnemucca)	
Lander (Battle Mountain)	
Lincoln (Pioche)	
Lyon (Yerington)	
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Disciplinary Core Idea:

**Engineering, Technology, and Applications of Science (ETS) 2:
Links among Engineering, Technology, Science, and Society**

County (County Seat)	Topics
	Links among Engineering, Technology, Science, and Society
Carson	
Churchill (Fallon)	
Clark (Las Vegas)	
Douglas (Minden)	
Elko (Elko)	
Esmeralda (Goldfield)	
Eureka (Eureka)	
Humboldt (Winnemucca)	
Lander (Battle Mountain)	
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