

South Dakota Social Studies Unpacked Standards Template

Anchor Standard:	G.4 Students will identify Earth’s physical systems and the ways in which they are dynamic and interactive.	
Grade Level/Band Standard:	9-12.G.4.1 Recognize the components, processes, interdependence and spatial distribution of Earth’s physical systems.	
Student Friendly Language:	I can identify Earth’s physical systems, functions, processes, locations, and how they are separate, but connected.	
What prior knowledge do students need to have to be successful on this standard?		
<ul style="list-style-type: none"> ● Various processes affect the natural landscape (weathering, erosion, plate tectonics...). 		
Students Will Know (Factual Knowledge)....	Students will Understand (Historical Inquiry)....	Students Will be Able to Do (Performance Based)
<ul style="list-style-type: none"> ● Earth’s physical systems operate under four major spheres (atmosphere, lithosphere, hydrosphere, biosphere). 	<ul style="list-style-type: none"> ● Earth has four separate spheres that are each unique, but interconnected 	<ul style="list-style-type: none"> ● Explain connections between all of the Earth’s four spheres (atmosphere, lithosphere, hydrosphere, and biosphere). ● Compare and contrast the functions of each sphere.
Vocabulary (Key Terms Used by Teachers and Students)	What are possible misconceptions students may have with respect to this standard?	
<ul style="list-style-type: none"> ● Atmosphere ● Lithosphere ● Hydrosphere ● Biosphere ● Solar system ● Core ● Mantle ● Magma ● Crust ● Continental drift ● Plate tectonics 	<ul style="list-style-type: none"> ● Confuse the Earth’s physical systems with various climates or ecosystems. 	

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<i>OSEUS Connection</i>		
Essential Understanding:	Descriptive Connection Between Social Studies and OSEU:	
OSEU 1 OSEU 3	<ul style="list-style-type: none"> ● The Oceti Sakowin have a unique relationship with mother earth’s physical systems. ● Essential life giving ceremonies link sacred sites, creation stories, and the earth’s physical systems. 	
<i>Vertical Alignment</i>		
Previous Learning Connections <ul style="list-style-type: none"> ● 7.G.4.1 Various processes affect the natural landscape. ● 6-8 Physical Science 	Current Learning Connections <ul style="list-style-type: none"> ● 9-12.G.4.1 Recognize the components, processes, interdependence and spatial distribution of Earth’s physical systems. 	Future Learning Connections <ul style="list-style-type: none"> ● Multiple career fields use geographic skills
<i>C3 Framework Relevant Skills and Applications</i>		
Constructing Compelling Questions: <ul style="list-style-type: none"> ● D1.1.9-12. Explain how a question reflects an enduring issue in the field. 		
Determining Helpful Resources: <ul style="list-style-type: none"> ● D1.5.K-2. Determine the kinds of sources that will be helpful in answering compelling and supporting questions, taking into consideration multiple points of view represented in the sources, the types of sources available, and the potential uses of the sources. 		
Taking Informed Action: <ul style="list-style-type: none"> ● D4.6.9-12. Use disciplinary and interdisciplinary lenses to understand the characteristics and causes of local, regional, and global problems; instances of such problems in multiple contexts; and challenges and opportunities faced by those trying to address these problems over time and place. 		
<i>Example strategies to reach depth and intention of the standard</i>		
<ul style="list-style-type: none"> ● Opportunity for cross curricular cooperation with Science. 		
<i>Possible Civic Engagement Activities</i>		

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These activities include the informed actions that are explicitly tied to the curriculum that are used to assess the knowledge, skills and dispositions of effective civic engagement. Civic engagement can include research, advocacy, direct or indirect action.

Activity:	Description on How to Use the Activity and How it Meets the Grade Level:
<ul style="list-style-type: none">● Field trip to museum, zoo, botanical gardens.● Present to another class	<ul style="list-style-type: none">● This is an opportunity for the kids to see what their communities have to offer, under a variety of different disciplines. Also gives the kids a chance to view different elements of Earth's elements. Inspiration to be more involved in their communities.● Students prepare a presentation of earth's physical systems, to be shared with a physical science class at HS or elementary level.