

Integrated Learning Curriculum

Unit Overview

Created in Partnership for use in Integrated Learning Curriculum Development.



Artist Author: *Please cite original author if adapted	Laurel Shastri	Unit Title:	Volcanoes and Dance	Quantity of Sessions:	10
Art Discipline(s):	Dance	Academic Content Area(s):	Science, Language Arts	Grade(s):	2 nd
Throughline/Core Concept:	Dancers and earth scientists observe, describe and present ideas. Dancers use elements of dance: body, energy, space, and time (BEST) to communicate, express ideas, and create dance.				
Art Standards: Website PDF	PERFORMING—Anchor Standard 5: Develop and refine artistic techniques and work for presentation. CONNECTING—Anchor Standard 10: Synthesize and relate knowledge and personal experiences to make art.				
Common Core State Standards: ELA-Literacy Math Standards	<ol style="list-style-type: none"> 1. Determine main idea and details 2. Analyze cause and effect 3. Analyze reasons and evidence 				
Next Generation Science Standards: Website	2-ESS1-1. Use information from several sources to provide evidence that Earth events can occur quickly or slowly.				
Relevancy (Cultural, Societal, Global, Local): How is this relevant or important to the lives of students?	<p>Students develop knowledge about dance and volcanic processes through an integrated approach. Within a creative movement class structure, students explore vocabulary and geological processes. Students will learn concepts of 'shape,' 'energy,' 'flow,' and 'patterns' as it pertains to dance and the physical features and eruptive styles of different kinds of volcanoes. Students will learn and perform choreography incorporating their knowledge of volcanoes. They apply this knowledge to interpret the dance.</p> <p>Each session builds on previous ones and includes: warm-up, exploration of knowledge / skills, development of concepts, creative activity, cool-down / reflection. Sessions are as follows:</p>				

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	<ol style="list-style-type: none">1 What is dance?<ul style="list-style-type: none">• Establish warm-up, structure, movement vocabulary• Explore movement vocabulary with 'DANCE' by Bill T. Jones2 Dance rocks!<ul style="list-style-type: none">• Continue building warm-up, structure.• Dancers and geologists observe, describe, and present ideas.• Examine xenoliths from the Earth's crust and mantle• Describe xenoliths with words and movement.3 Shield Volcano (Rhythm and Flow)<ul style="list-style-type: none">• Learn about the shape and eruptive style of a shield volcano• Learn about different lava flows—Rhythm walk, flow, pattern• Begin learning choreography.4 Shield Volcano (Basalt / Beach Sand Samples)<ul style="list-style-type: none">• Build on session 3 concepts.• Examine samples of Hawaiian basalt and Hawaiian beach sand.• Explore the concept of lava flows in relationship to the dance elements of 'flow' and 'energy' (sharp / smooth movement)5 Cinder Cones (Point of View)<ul style="list-style-type: none">• Learn about the shape, eruptive style, & energy of a cinder cone.• Point of view: Improvise movement of a farmer who discovered a cinder cone forming in his fields.• Continue learning and practicing choreography.6 Cinder Cone (Volcanic Bombs)<ul style="list-style-type: none">• Build on session 5 concepts.• Examine volcanic bombs from a cinder cone.• Describe their shapes & explore the movement that formed them.7 Stratovolcanoes (in California)<ul style="list-style-type: none">• Study the shape, eruptive style, and energy of a stratovolcano.• Learn about active volcanoes in California.• Begin to interpret choreography based on knowledge of volcanoes.8 Stratovolcanoes (Mount St. Helens)<ul style="list-style-type: none">• Build on session 7 concepts. Learn about the May 18, 1980 eruption of Mount St. Helens.• Interpret choreography based on knowledge of volcanoes.9 Volcanoes in Review<ul style="list-style-type: none">• Examine samples of pumice and obsidian.• Prepare presentation for classroom buddies.• Refine and finalize choreography.10 Volcanoes Presentation<ul style="list-style-type: none">• Share information about volcanoes with classroom buddies.• Perform choreography for classroom buddies.
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