



Rio Grande Educational Collaborative Before and After School Program Lesson Plan

Lesson Title:	Salt dough volcano	School: Governor Bent	Date: 1/16/20
Instructor Name:	Alexis Kanne		
Class Size	30	Lesson Credits: (Where did you get your ideas for you lesson ie: website)	

Guidelines: Lessons should be at least 60 minutes, and MUST pertain to literacy.


NM State Standards:	<p>CCSS.ELA-Literacy: SL.3.2-Determine the main ideas and supporting details of a text read aloud or information presented in diverse media and formats, including visually, quantitatively, and orally. L.3.4-Determine or clarify the meaning of unknown and multiple-meaning word and phrases based on grade 3 reading and content, choosing flexibly from a range of strategies. RI.3.4-Determine the meaning of general academic and domain-specific words and phrases in a text relevant to a grade 3 topic or subject area. SL.3.2-Tell a story or recount an experience with appropriate facts and relevant, descriptive details, speaking audibly in coherent sentences.</p> <p>NM Science Content Standards, Benchmarks, and Performance Standards: Standard I: Understand the processes of scientific investigations and use inquiry and scientific ways of observing, experimenting, predicting, and validating to think critically. K-4 Benchmark I: Use scientific methods to observe, collect, record, analyze, predict, interpret, and determine reasonableness of data. 5-8 Benchmark I: Use scientific methods to develop questions, design and conduct experiments using appropriate technologies, analyze and evaluate results, make predictions, and communicate findings.</p>		
<p>Please Visit www.mystandards.org</p>			
Learning Objectives:	<p><u>[Instructional context]</u> After listening to <i>If You Decide to Go to the Moon</i> by Faith McNulty and identifying relevant words during the read-aloud [<u>what students will do</u>] students will write a list of words [<u>what students will learn</u>] that are content-specific vocabulary.</p> <p>Students will learn how to mix ingredients to create a volcano</p> <hr/> <p>Students will learn how different chemicals cause different reactions</p>		
Lesson Materials & Equipment	Item:	Quantity:	Special Requests for RGEC Equipment:
	Flour	6 cups	
	Salt	2 cups	
	Water	2 1/3 cups	
	Cooking oil	2 tbsp	
	Dish Soap	2 tbsp	
	Warm water	2 tbsp	
	Baking soda	2-3 tbsp	
	Vinegar	1/2 cups	
	Empty soda bottle	1	
	Red food coloring	1	

INSTRUCTIONAL SEQUENCE Please note: *This section should be written so that a substitute teacher could pick it up and teach the lesson successfully. Include estimates of wait time, questions you may ask, and as many specific details as possible.*

***Body of the Lesson:**

1. (What you will say/do to assess, connect to, or build, necessary background knowledge.
2. Describe step-by-step what the students will be doing during the lesson.
3. Opportunities to participate in small groups.
4. Activity to process daily participation

Signature: _____ **Date:** _____



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1. Talk to the kids about mixing different ingredients to create a volcano
2. Explain how the baking soda and the vinegar create fizzing which will mimic lava
3. Explain that the kids are going to help make the outside of the volcano with the salt dough
4. Have students help mix flour, salt, water and the cooking oil mix it all up and have students help form it around the empty soda bottle
5. Put baking soda inside the empty soda bottle
6. In a separate bowl or cup mix warm water, red food coloring (optional), dish soap and vinegar
7. Slowly pour the liquid mixture into the bottle containing the baking soda and watch it explode