



# Rio Grande Educational Collaborative Before and After School Program Lesson Plan

<b>Lesson Title:</b>	Lava Lamp	<b>School:</b> Mission Ave	<b>Date:</b> 2/19/20
<b>Instructor Name:</b>	Linda Herrera		
<b>Class Size</b>	30	<b>Lesson Credits:</b> (Where did you get your ideas for you lesson ie: website)	

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

<b>NM State Standards:</b>	<p><b>CCSS.ELA-Literacy:</b>          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.</p> <p><b>NM Science Content Standards, Benchmarks, and Performance Standards:</b>  <b>Standard I:</b> Understand the processes of scientific investigations and use inquiry and scientific ways of observing, experimenting, predicting, and validating to think critically.  <b>K-4 Benchmark I:</b> Use scientific methods to observe, collect, record, analyze, predict, interpret, and determine reasonableness of data.  <b>5-8 Benchmark I:</b> 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  <a href="http://www.mystandards.org">www.mystandards.org</a></p>			
<b>Learning Objectives:</b>	<p><i>[Instructional context]</i> After listening to <i>If You Decide to Go to the Moon</i> by Faith McNulty and identifying relevant words during the read-aloud <i>[what students will do]</i> students will write a list of words <i>[what students will learn]</i> that are content-specific vocabulary.</p> <p>The students will be able to discuss what happens when you mix different types of liquids</p>		
<b>Lesson Materials &amp; Equipment</b>	<b>Item:</b>	<b>Quantity:</b>	<b>Special Requests for RGEC Equipment:</b>
	Plastic bottles	30	
	Vegetable oil	1 bottle	
	Water		
	Food coloring	1 box	
	Alka Seltzer tables	1 box	

**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

1. Explain to the students that they will be making lava lamps.

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2. Ask the students if they know what will happen when they mix water, vegetable oil and alka seltzer.

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3. Ask the students if they know what Alka seltzer is?

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4. You can explain to the students that the water and oil are different types of liquid so they don't mix together and will stay separated.

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5. When they add the food coloring it will mix with the water but not the oil.

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6. When they add pieces of the Alka seltzer that will make the water bubble and pass thru the water to create bubbles of color.

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7. Pass out bottles filled  $\frac{3}{4}$  way with oil and  $\frac{1}{4}$  with water, allow students to pick color of food coloring they want to add.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Reviewed by: \_\_\_\_\_ (School Site Supervisor) RGEC Approval: \_\_\_\_\_

