



After School S.A.F.E. Framework for Lesson Planning

Theme: Science


Instructor: Leader

Grade/Group: 3rd grade to 5th grade

Day of the week: Wednesday

Objective: Science

Circle Component(s):	Physical Activity – 30 Min. Daily	Wellness/Nutrition Education – 2x/month	Math and Literacy – 30-40 min. daily
	Arts Education – 1x/week	21 st Century Skills and STEAM – 2x/week	Global Learning – 1x/week
	Leadership and Character Development – 1x/week	College and Career Readiness—2x/month	Service Learning – 1 project/quarter

Sequenced	<p>Explain step-by-step the activity and how it builds on other activities</p>	<p>Date: 04/01/20</p> <p>Activity: Blowing up a balloon without blowing</p>  <p>what you need:</p> <ul style="list-style-type: none"> ● water ● baking soda ● balloon ● water bottle ● funnel <p>instructions:</p> <ul style="list-style-type: none"> ● Put Vinegar in the plastic water bottle ● Add same amount of water to the plastic water bottle ● with the funnel you will add baking soda into the balloon ● attach the balloon to the plastic water bottle
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		<ul style="list-style-type: none"> lift the balloon to allow the baking soda to drop into the water bottle When the baking soda and vinegar mix there will be an acid base reaction which causes carbon dioxide to form this will make the balloon to inflate
Active	Hands on-engagement, demonstrate and practice skills	students will use their hands to create this science project
Focus	Specific time and attention on skill development	20 minutes -25 minutes
Explicit	Observation and reflection = validation of skills Review Objective	How long does the balloon take to inflate? What did you observe when the baking soda and vinegar mixed together?
Alignment	Alignment of Common Core State Standards (Two standards)	observing a solid and liquid base create a gas
Language Development	List Vocabulary and Sight Words Reviewed (3 words)	<ol style="list-style-type: none"> 1. reaction - a behavior or response to something 2. carbon dioxide- a chemical compound , it is a form of gas 3. acid - a chemical compound , it is sour if tasted