Activity Plan Designed by: Shaina guinansaca Curriculum Topic: COMMUNITY HELPERS BUBBLY FIRE SCIENCE EXPERIMENT

OVERVIEW/FRAMING				
TOPIC <i>Explain how the topic of this activity is</i> <i>developmentally and culturally appropriate for</i> <i>the group of learners for whom you are</i> <i>designing it.</i>	helps them to learn build knowledge, a	n about themselve and thrive. Learnir ship of trust with fa	es. It will also help the	community helpers. It will om how to tackle challenges, y and its culture, while also component
BIG IDEAS/OVERARCHING QUESTIONS What kinds of questions will be explored and/or what new connections and ideas will be engaged through this activity?	What qualities do I bring to my classroom/school community? How are my community helpers making a change in my community? EQ: what makes a community strong? Science activity – How do fires start? What do fireman do			
CONTENT FOCUS:	Visual Arts	Music	Movement/Dance	Drama
Identify which content area(s) will be addressed in this activity	Emergent Literacy	Mathematics	(Science)	Social Studies
LANGUAGE AND CONTENT OBJECTIVES				

KNOWING THE LEARNERS	
AGE RANGE:	kindergarden

CURRENT DEVELOPMENT: What do you know about the current growth of learners in this age range for the content focus?	children in Pre-k and kindergarten are developing their sense, Science helps children develop key life skills, including an ability to communicate, remain organized and focused, and even form their own opinions based on observation. Science also helps children develop their senses and overall awareness
What misunderstandings might children in this age range have about the topic/content and how do you plan to address this?	
SOCIO-CULTURAL CONTEXT: What do you know about this group of children in terms of their cultural backgrounds, learning styles, languages spoken, and learning experiences to date? [*]	Students in this class reflect the immediate neighborhood of the school. About half the class have parents who have recently immigrated to the US from Central America. Students while learning more about their community will know that there are people of different race. They will learn more through science

MATERIALS & LEARNING ENVIRONMENT PREPARATION		
MATERIALS	LEARNING ENVIRONMENT	EVENTS/RESOURCES
What materials will you need to teach this activity? List all books and materials , including any used during the launch/reflection and during set up and cleanup	What modifications will you need to make to the classroom to support this activity? (e.g., centers, bulletin boards, meeting spaces)	What events or resources, including people, might you need to arrange in advance?
 Two plastic or paper cups – clear is best so the kids can see what is happening Baking Soda – fill the cups 1/3 full White Vinegar Optional: Food Coloring (we added yellow and a little orange 	Art center : The art center will provide students. With materials. Paper cups, baking soda and many more	We will are make our own science project and present it

^{*} Note: You are designing this activity for the three children observed for your Student Profiles assignment.

to the vinegar in order to create our "bubbly fires") • Optional: Flames and Smoke (cut the flames and smoke from the free printable <u>Smoke and</u> <u>Fire</u> to attach to the plastic cups).	

THE LEARNING EXPERIENCE		
The launch How will you engage the children in this learning experience? How will you introduce the concepts and vocabulary of the topic? How will you describe the procedures of the learning activity? What will you say and do?	We will ask eachother whats a fire? What causes a fire? What does a fireman do when there is a fire? We will then read "firefighter handbook" by meghan mccarthy	
The activity List the step-by-step procedures What will the children be doing? What will you say or do to facilitate and scaffold their learning? Be specific and detailed in your description.	 invite the kids to pour vinegar slowly from one cup into the cup that contains the baking soda. Invite the kids to observe what happens to the baking soda. As the vinegar and baking soda are combined, a chemical reaction occurs to create a BUBBLY FIRE! Heating the vinegar slightly to see what results we get Pouring the vinegar FAST Using varying amounts of baking soda and vinegar 	

Reflection As the activity wraps up, what opportunities will you offer the children to respond to and reflect on this activity?	Show the completed science activity to the students I will ask them what is happening and how can fireman help.
Possible Extensions What could you do on another day to build on this activity?	Children will write about what they love about their project and write about one thing they love about their community helper
Multimodal Engagement Identify and explain the ways in which this activity offers opportunities to use at least three different learning modalities (kinesthetic, tactile, linguistic, visual/spatial, auditory, musical)	Learn the befits of the community helpers
Differentiation How will you modify this activity for learners with different learning styles and/or special needs (SLLs, physically active, etc.)?	They will learn more about their community and there community helpers in it

GROWTH AND LEARNING

How will this learn	ning experience support the children's growth and learning in the following domains? Use your knowledge of child
	development.
Cognitive/thinking	. Children will reflect on their communities and whats make their community unique
Physical	Students will develop fine motor skills in a variety of ways by knowing how much do they have to put in the cup for the safe chemical to start bubbling
Social/emotional	Children will reflect on their own uniqueness in their classroom community. They will learn more about their community helpers
Language/literacy	Through the book discussion, children will discuss how the fire man help the community. List 10-15 target vocabulary words:
Content Area(s)	

STANDARDS/GOALS What Pre-K Common Core Learning Standards are addressed in this activity?
Use the PKFCC to respond.
tandards that are actually targeted by this learning activity (e.g., can development in regard to the standard be
easured by the evidence gathered (authentic assessment) during this learning activity?
1. A. interacts with a variety of materials and peers through play
1. E. uses "trail and error" method to figure out a task, problem, etc
1 f. demonstrates awareness of connections between prior and new knowledge
3a. uses materials/ props in novel ways to represent ideas, characters and objects
3b. identifies new or additional materials to complete a task
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3d. seeks additional clarity to further understanding
2a. demonstrates appropriate body awareness when moving in different spaces
2c. demonstrates awareness of spatial boundaries and the ability to work with them
2a. describes self using several different characteristics
2c. demonstrates knowledge of own uniquences (
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	 Self concept and self awareness 1. Recognizes himself/herself as a unique individual having his/her own abilities, characteristics, feelings and interests. 1c) Demonstrates knowledge of his/her own uniqueness (talent, interests, preferences, gender, culture etc
Domain 4: Communication, Language, and Literacy	 Demonstrate that they are motivated to communicate 1a Participates in small or large group activities for story telling, singing or finger plays. 1c. listens attentively for variety of purpose(e.g enjoyment to gain information to perform a task to learn what happened to follow directions)
Domain 5: Cognition and Knowledge of the World	Viewing 3) Demonstrates that he/she understand what they observe. 3a) Uses vocabulary relevant to observations.

	AUTHENTIC ASSESSMENT
What will you do to gather evidence to assess each child's developmental progress?	To gather evidence to assess each childs developmental progress. I will see if the children are able to learn what a fire is and what can the fire men do. The time frame doesn't in which they do this, but it should be in a reasonable amount of time. Without refernce (on their own) we can see how it goes
How will you determine whether or not individual children are getting the Big Ideas and/or exploring the Overarching Questions?	If the child mataches look unreasonable and incorrect then we can evalatue why. The evidence will be recorded with the group activity they do.
Evidence may include responses recorded during a group discussion, a visual arts project, a performance, etc.	
Your assessment activity MUST be connected to the Big Ideas and Overarching Questions.	