



Pyramid Support at Home Lesson: Volcano Science Experiment

Description: This is a simple science activity that can be completed at home, in school, or any learning environment. It is a basic activity to talk about chemical reactions but also fun to watch and a good cause/effect activity.

Materials: Aluminum foil, bottle or cup/jar, white vinegar, baking soda, food coloring, water, dish soap

Optional – Clay, play clay, paper, etc., if you want to have your learner decorate, paint, or build a volcano

Supplemental Links:

National Geographic – Real Volcano Eruptions - <https://www.youtube.com/watch?v=CgpNqrR318U>

Basic Volcano Science Experiment - <https://www.raisingdragons.com/easy-volcano-experiment-age-3-8/>

Fancy Volcano - https://www.youtube.com/watch?v=8AqoOOJ3H_I

POTENTIAL LEARNING OPPORTUNITIES – You DO NOT need to do these all at once. Remember you can run the activity multiple times and focus on the same or different learning opportunities each time you do the activity. Take a look below or brainstorm your own learning opportunities and pick a few to focus on when working with your learner.

Requests	Comments	Directions	Critical Skills	Other Learning Opportunities
-Food Coloring (Specific Color)	-Wow!	-Put in	-Work on waiting	- Independently setting up and cleaning up materials
-Vinegar	-Explosion!	-Take ____	-Requesting Help	-Throwing out trash
-Water	-I like...	-Open the ____	- Answering a yes/no question	- Pouring liquid into the volcano or into sink as cleaning up
-Dish Soap	-I don't like	-Look	- Tolerating "no" if something is not available and making another choice	-Building, pinching using play clay
-Baking Soda	-Looks + ____	-Stop or Go	- Turn-taking	-Counting down until cause the reaction
-Bottle/Jar	-Awesome, Fantastic, etc	-Get the ____	- Transitioning to and from the activity	-Answer questions about Science or SS relating to Volcano
-Volcano	-It's ____	** These can be vocal direction or picture directions		
-Pour In or Put in				
- Play Clay				
-Aluminum Foil				
-Measuring Spoons				
-Big/Little Volcano				