



**High School  
Earth & Space Science  
Resources  
Week 4**

April 2020

## EARTH AND SPACE SCIENCE - VOLCANOES

27 Watch 1-2 suggested volcano videos  *Introduce vocabulary words	28 Complete attached word search  Review vocabulary words	29 Draw a volcano and label your drawing with your vocabulary words	30 Research the volcano in the US that is most likely to explode- Mount Rainier  Use vocabulary words to write/dictate a sentence	May 1 <sup>st</sup> Create a volcano (see directions below)  Review vocabulary words  Post the result of your favorite activity on Twitter hashtag #KCS@Home/AAD. Question/concerns/Suggestions please email Emily.mcspadden@knoxschools.org
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Activities: The following activities should be used as supplemental activities to engage in exploration of volcanoes.

Vocabulary Words – you do not have to use all vocabulary words, pick the ones that have a meaning and/or purpose for your child.

Volcano – a mountain where lava comes from a chamber underground

Lava - hot liquid rock once it erupts out of the volcano

Magma - liquid rock inside of a volcano

Active Volcano - one that has erupted in the last 1,000 years and is likely to erupt again

Dormant Volcano - one that has not erupted in the last 1,000 years and is not likely to erupt again

Extinct Volcano - one that is unlikely to erupt again

Ash- a mixture of rock, mineral, and gas particles

Ring of Fire – a path along the Pacific Ocean where over 450 volcanoes that frequently erupt are located

Videos:

Kids Learning tube: Volcano for Kids

Volcanoes 101 National Geographic

National Geographic USA: Volcano Are We There Yet?

National Geographic Volcano Videos: Fun Facts & More

Create a Volcano – Paper Mache’

You will need:

Newspaper wadded up into balls

Newspaper cut into strips

Empty plastic bottle (16-24 oz size)

Masking tape

Paint/paint brush

Liquid glue

Baking soda

Vinegar

Red food coloring (optional)

You will need a plastic tray or piece of cardboard to secure your volcano to. Build the newspaper around the plastic bottle and secure with masking tape. Then dip the newspaper strips in glue to secure to the sides of the volcano. When the newspaper is dry you can paint your volcano. Once the paint is dry you can use the baking soda, vinegar, and food coloring to create an eruption. Use a funnel to pour approximately 1 cup of baking soda into the mouth of your volcano. Take your volcano outside or to a space that can easily be cleaned. When you are ready quickly pour approximately one cup of vinegar mixed with three drops of food coloring into the mouth of the volcano. Below is an example of a completed volcano, ready to erupt .

View of the top of the volcano



Side view

