



Lemon Volcano

4th Grade - NGSS 4-ESS2

Materials and Additional Resources



Materials

- Lemon
- Cutting board
- Craft sticks
- Food coloring
- Dish soap
- Baking soda
- Knife to cut lemon (have parent help with this)
- Large dish (to catch all the eruption chemicals)



Engineering Design Process

[Identify, Brainstorm, Prototype, Test, Iterate, Share | Engineering Design Process](#)



Non-Fiction Reading (Newsela and Read Works are free platforms)

[Volcano Warning Signs](#)

[Earth's Fiery Volcanoes](#)



Music

[Volcano Song](#)



Videos*

[Volcanoes for Kids](#)

[All About Volcanoes](#)



Teacher Resources

[Volcanoes of the World](#)

[All About Volcanoes for Kids](#)

<https://www.natgeokids.com/uk/discover/geography/physical-geography/volcano-facts/>

**A note about YouTube videos - The listed videos have been previewed, however individual teachers should also preview to ensure content is appropriate for their students.*