

Moon Crater Experiment

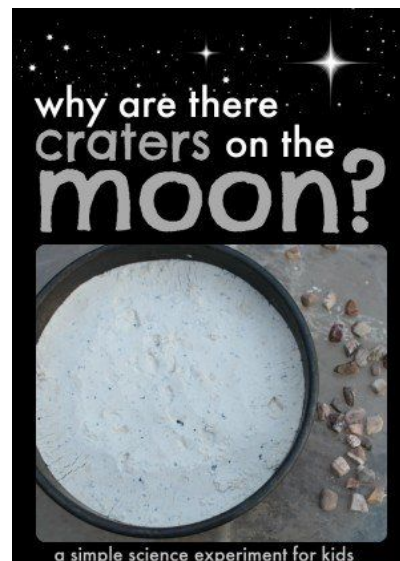
By: <https://www.icanteachmychild.com/simple-science-experiment-for-kids-why-are-there-craters-on-the-moon/>

Materials

- 4 cups of flour
- 1/2 cup of baby oil
- small pebbles or rocks
- Round cake pan

Instructions

1. Mix together flour and baby oil.
2. Put moon dust mixture into a cake pan and gently smooth it out.
3. Take the small pebbles and drop them into the pan from different heights.
4. Observe what happens to the moon dust when the pebbles hit it.
5. When you are done the experiment you can use the moon dust for further exploration and play!



"The Moon is made mostly of rock. The surface has thousands of pits called craters. The craters form when chunks of rock and metal called **meteorites** crash into the Moon. These crashes have covered the Moon's surface with rocks and dust." - Kids Britannica

<https://kids.britannica.com/kids/article/Moon/353489>

Erupting Moon Cake

by : Learn Play Imagine

Ingredients:

- 9 inch round cake pan
- 1 1/2 cup whole wheat flour
- 1 cup coconut palm sugar
- 1 teaspoon sea salt
- 5 tablespoons grapeseed oil
- 1 teaspoon baking soda
- 1 teaspoon vanilla
- 1 tablespoon vinegar
- 1 cup coconut milk
- 1 handful of raisins



Instructions:

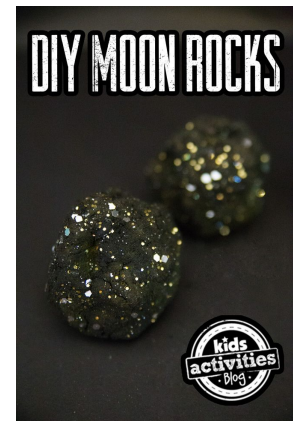
- <http://www.learnplayimagine.com/2014/05/erupting-moon-cake-recipe.html>

Moon Rocks

By: [The Crafting Chicks](#)

Materials:

- 4 cups baking soda
- 1/4 cup water
- Gold and Silver glitter
- Black food coloring



Instructions:

1. In a large plastic bin, mix together the baking soda and water. Add lots of glitter and some food coloring and stir together.
2. You can let your kids explore this easy Moon Sand for a bit (warning: their hands will get messy because of the food coloring!), or you can go right to making your rocks.
3. Mold the sand with your hand to shape it into rocks. Press your fingers into it to form craters on the surface.
4. Allow to dry overnight.

Oreo Moon Phase Activity

by : <https://littlebinsforlittlehands.com/oreo-moon-phases/>

Watch : Why Does the Moon Change? By SciShow Kids

<http://www.viewpure.com/yXe0yxzYkjo?start=0&end=0>

Materials:

- Oreo cookies or similar generic brand
- Paper plate or construction paper
- Marker
- Plastic knife, fork, or spoon (for carving out the moon phases)
- Glass of milk (optional for dunking the Moon)

Instructions:

1. Open up a pack of cookies and twist 8 cookies carefully apart.
2. Use the edge of a fork to draw a line down the center of the icing, carefully scrape off half the icing, and set onto the top of the paper plate (or construction paper) to begin your first quarter Moon cycle.
3. Work from left to right on your cookie moon cycle, with next being waxing gibbous. Use the fork to draw the line, scrape off the icing, and set on the left of the first quarter Moon.
4. Work your way around: full Moon, waning gibbous, third quarter, waning crescent, new, waning crescent, and back to the first quarter.
5. Once all the Moon's are on the plate (or construction paper) in a circle, carefully draw the Earth in the center with markers.
6. Use a marker or pen to write which Moon phase each cookie represents next to the appropriate Moon cookie model.

