

Age: 4+

M is for... Moon Dough

Activity: Moon Dough

Materials needed:

- ½ cup of potato starch
- ½ cup flour
- 2 tbsp of coconut oil
- 2 drops of polysorbate 80
- 4-5 drops of food coloring
- Glitter (stars)
- Large bowl



Instructions:

- Add ½ cup of potato starch and ½ cup of flour to a large bowl. Mix the ingredients together
- Next, melt 2 tablespoons of coconut oil in the microwave until it is liquid
- Add your desired food color and 2 drops of polysorbate 80
- Pour the colored coconut oil mixture in the large with potato starch and flour
- Mix together until all ingredients are mixed well in the bowl
- Once the mixture is set, add some glitter (stars)
- Your moon dough is complete!
 - Next create some cloud out of the mixture
 - Stack your clouds and see how high you can make it
 - Use a cookie cutter to make shapes

Career Exploration:

- **Chemist:** Chemists study substances at the atomic and molecular levels. They analyze the ways in which the substances interact with one another. They use their knowledge to develop new and improved products and to test the quality of manufactured goods.
- **Chemical Engineer:** Chemical engineers apply the principles of chemistry, biology, physics, and math to solve problems that involve the production or use of chemicals, fuel, drugs, food, and many other products. They design processes and equipment for large-scale manufacturing, plan and test production methods and byproducts treatment, and direct facility operations.
- **Biochemists:** They study the chemical and physical principles of living things and the biological processes, which include things like cell development, growth, and disease.
- **Aerospace Engineer:** Aerospace engineers design aircraft, spacecraft, satellites, and missiles. In addition, they create and test prototypes to make sure that they function according to design.
- **Astronaut:** An astronaut is a type of scientist that takes a spaceship to outer space to study things like asteroids, the atmosphere and the moon. To become an astronaut, you should have interests in physics, chemistry, geology, and biology.

To learn more about this activity, please visit:

<https://www.steampoweredfamily.com/activities/moon-dough/>