



Explore your world



Preschool



## Activity

The moon has a pretty bumpy surface, you can see it in the darker spots and round pockets when you look up at the night sky. How did they get there? The answer is meteorites—rocks flying through space that crash into the moon. When they hit they form craters—the round spots and pockets you see.

### What you need:

- ½ cup baby oil, mineral oil or other oil
- 4 cups flour
- Cake pan or other flat bottomed container (try to avoid glass)
- Pebbles

### Try this:

1. Make moon dust with your child by combining the baby oil and flour and mixing well. The result should be a sand-like substance that sticks together when pressed.
2. Spread the moon dust evenly in the cake pan and press it gently to form a smooth surface.
3. Together, collect your pebble meteorites—some variety in size and shape is good.
4. Have your child drop the “meteorites” into the moon dust and check out the craters!

### Rhyme/Song

#### A Little Rocket

A little rocket roared off one day  
On a trip into space, so far away.  
While zooming about, he saw some stars.  
Then he circled around the planet Mars.  
He saw planet Saturn  
And the Man in the Moon.  
Then he saw planet Earth  
And back home he zoomed!

### Field Notebook



#### Add something to the field notebook!

For example: Try dropping pebbles from higher up or throwing them from an angle. Does the shape or depth of the crater change?

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Keep this sheet.  
Collect them all!



# Check out all the Science-to-Go backpacks for more fun!

## **PRESCHOOL** Green backpacks

- Animal Babies
- Backyard Animals
- Building
- Cars and Trucks
- Colors
- Counting
- Fall
- Food
- Gardens
- My Body
- Nighttime
- Patterns
- Rain
- Seashore
- Shadows
- Shapes
- Simple Machines
- Space
- Spring
- Summer
- Tools
- Winter

## **GRADES K-2** Blue backpacks

- Animal Homes
- Birds
- Bridges
- Bubbles
- Dinosaurs
- Ecosystems
- Floating
- Frogs
- Flight
- Insects
- Invention
- Light
- Measurement
- Migration
- Moon & Stars
- Motion
- Ocean Animals
- Plants
- Seasons
- Silly Math
- Sound

## **GRADES 3-5** Red backpacks

- Animal Survival
- Architecture
- Climate Change
- Electricity
- Engineers
- Forest
- Human Body
- Kitchen Science
- Life Cycles
- Ocean
- Outdoors
- Outer Space
- Real Life Math
- Rocks
- Skyscrapers
- Volcanoes
- Water
- Weather

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