**GREETING**

**ACTIVITY**
Ask your child how he or she slept and what your child is looking forward to doing today. The night before this lesson, look at the night sky together and talk about what your child sees. When your child wakes up, ask him or her to tell you what his or her favorite thing in the night sky was.

**LEARNING SKILLS**
Memory

**MATERIALS**
N/A

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**MORNING MEETING**

**ACTIVITY**
Talk about what you did yesterday, and read a story about the moon and stars. Read the book or listen to the read-aloud *Papa, Please Get the Moon for Me* by Eric Carle.

**LEARNING SKILLS**
Memory

**MATERIALS**
Book or video

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**TRANSITION**

**ACTIVITY**
Do three sets of jumping jacks.

**LEARNING SKILLS**
Gross motor skills

**MATERIALS**
N/A
## Pre-Exploration

**Activity**
Collect all the items for the crater experiment, below. Discuss what the moon’s surface looks like and how it must feel.

**Learning Skills**
Organization

**Materials**
Plastic tub, flour, spice, small pebbles, marbles, balls

## Purposeful Exploration

**Activity**
Let’s make moon craters and mountains. This fun and messy activity is from *My Sky Tonight*, a project developed by Dr. Jennifer Jipson of The Goddard School Educational Advisory Board. Fill a tub with flour or sand. Have your child make a moon surface by dropping stones or balls of different sizes into the tub. Which objects make large craters? What happens if you hold the objects up high and drop them? Does it make the craters deeper? Your child can also create a moon rover from cardboard to drive around the moon. Add some water to an area, and build a mountain just like the mountains on the moon. For more fun, check out the full activity!

**Learning Skills**
Fine motor skills, gross motor skills

**Materials**
Plastic tub, flour, spice, small pebbles, marbles, balls
**POST-EXPLORATION**

**ACTIVITY**
Discuss with your child how and why craters are forming on the moon’s surface. Talk about how the moon is susceptible to craters from space rocks. Earth’s atmosphere will burn most meteorites and asteroids before they come in contact with Earth’s surface. The moon, however, does not have an atmosphere to protect it and the rocks that hit the moon form craters. Have your child draw a picture of what their moon would look like.

**LEARNING SKILLS**
Science – space investigation, inquiry

**MATERIALS**
Plastic tub, flour or sand, cardboard, website

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**MEALTIME**

**ACTIVITY**
During lunch, discuss how the moon changes throughout the month. How can you figure out what phase the moon is in now?

**LEARNING SKILLS**
N/A

**MATERIALS**
N/A

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**TRANSITION**

**ACTIVITY**
Play soft music as you transition to the learning lab. Have your child walk to the beat of the music. For slow music, you can use flowing movements or softly tiptoe. You both can pretend to walk on the moon!

**LEARNING SKILLS**
N/A

**MATERIALS**
N/A
**LEARNING LAB**

**ACTIVITY**

Watch the video on the phases of the moon. Now, make your phases of the moon artwork. Cut out shapes from a white piece of paper that match each phase of the moon. Glue these shapes to a black sheet of paper, and add some stars to create a starry night picture.

**LEARNING SKILLS**

Scientific investigation, fine motor skills

**MATERIALS**

White paper, black paper, glue

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**OUTSIDE TIME**

**ACTIVITY**

Go outside during the day and look for the moon. Is it there? Then go outside at night, look at the sky and go stargazing. Look for the constellations in the sky. Discuss what you see. If you go outside during the day, see whether you can find the moon. When we see the moon during the day, it is because the moon is in the right spot to reflect enough sunlight to be brighter than the sky.

**LEARNING SKILLS**

Gross motor skills

**MATERIALS**

N/A

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**REST TIME**

**ACTIVITY**

It's time to relax. Establish a routine before naps that supports your child in calming his or her body and settling his or her mind. You can even place your child’s nap mat for school in or next to the bed.

**LEARNING SKILLS**

N/A

**MATERIALS**

N/A
### Transition

**ACTIVITY**
As your child wakes up, talk about when he or she sees the moon and stars. What do they remind you of? How many stars are there in the sky? What do you think the moon is like?

**LEARNING SKILLS**
N/A

**MATERIALS**
N/A

### Child’s Choice

**ACTIVITY**
Use this time to do the activity your child wanted to do today. You can also do this activity at any time during the day.

**LEARNING SKILLS**
N/A

**MATERIALS**
N/A