

Moon Calendar

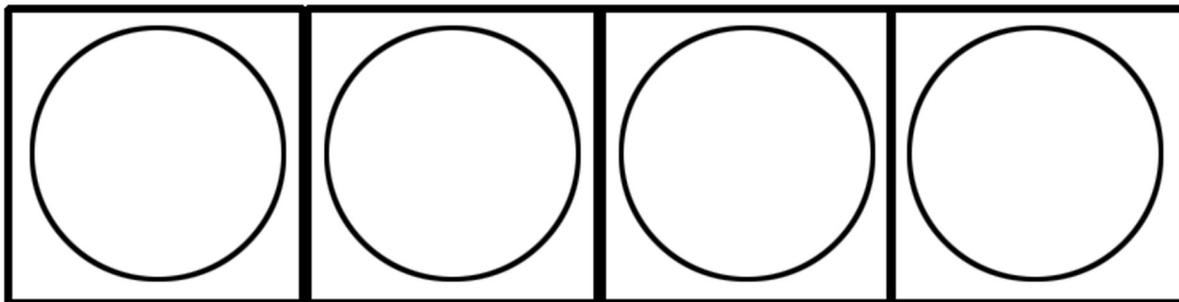
Month: _____ Year: _____ Name: _____

Week 1

Week 2

Week 3

Week 4



Draw the moon on the same day of the week for four weeks. What did you see?

Brownie Try-Its Space Explorer

Moon Calendar

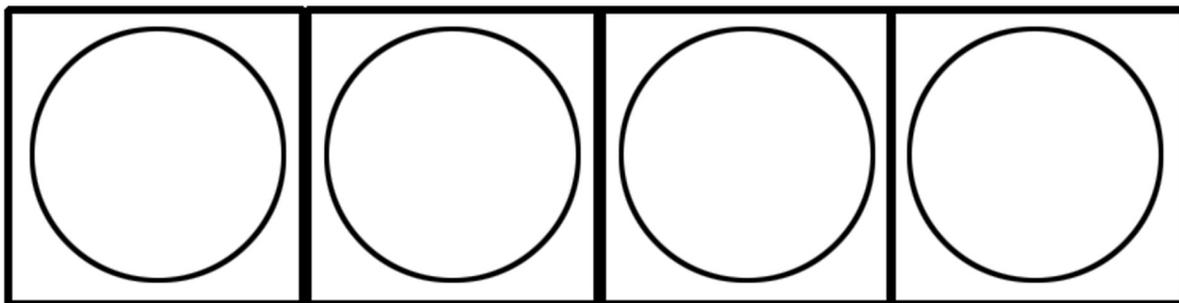
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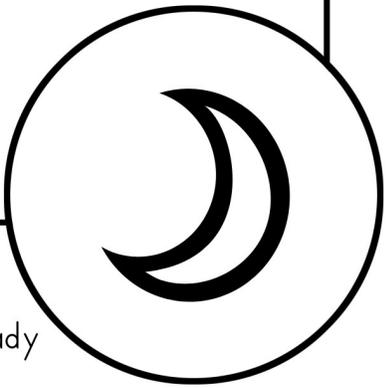
Week 4



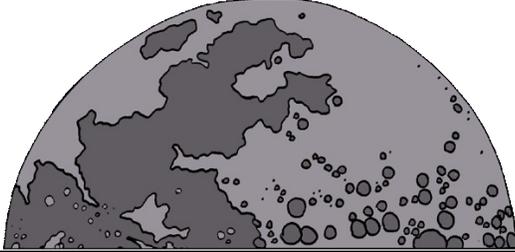
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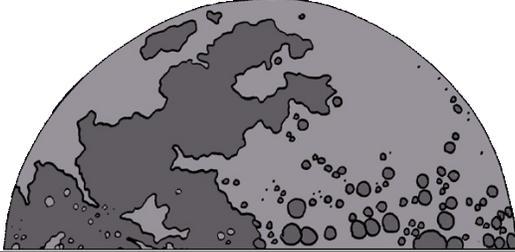
Brownie Try-Its Space Explorer

A large, empty rectangular box with a black border, intended for drawing or writing.



Pretend you are on a journey to a Girl Scout center on the moon. How would you dress for space? How would you move in space? Draw or create a costume for your journey. Show your drawing to others. Be ready to answer questions about your space outfit.

1	2	3
 <p>New Moon Completely (or almost completely) dark.</p>	 <p>Waxing Crescent A small sliver of light on the right.</p>	 <p>First Quarter (or Half) Moon The right half of the Moon is light.</p>
4	Oreo Phases of the Moon	
 <p>Full Moon The entire Moon is bright.</p>		

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http://www.lpi.usra.edu/education/space_days/activities/moon/documents/Moon_Oreo_Phases.pdf

(For Brownies, I found that creating all 8 phases was too over-whelming, so I broke it down to four. See the link above for all eight).

Space Explorer Try-It's Checklist

1. The Night Sky

Go star gazing with an adult who knows the planets and the stars, or have an adult help you read a star map. Try to find the North Star, the Big Dipper, the Little Dipper, or other groups of stars (which are called constellations).

2. The Moon

Why does the moon look like it changes shape? One week it is full. The next time you see a half-moon. The moonlight you see is the sun shining on one side of the moon. As the earth and the moon move around the sun, you see the moon in different places. You also see the parts of the moon that get sunlight. Chart and draw the moon on the same day of the week for four weeks. What did you see? *See [handout](#)*

3. Ready, Set, Jet!

Pretend you are on a journey to a Girl Scout center on the moon. Draw or create a costume for your journey. Show your drawing to others. Be ready to answer questions about your outfit. *See [handout](#)*

4. Shadow Time

Did you know that the earth rotates? It turns around much like a top. Have you seen the sun in different places in the sky? It looks like the sun is moving, but it is the earth that is moving. Try this activity to mark the earth's movement.

1. On a sunny day, take a stick and put it in the ground. It should cast a shadow. Mark the very end of the shadow by placing another stick on the ground.
2. Leave your sticks in the ground and return in an hour. Has something changed? Use a third stick to mark where your shadow is now. Do this once more in an hour. Which way did your shadow move? What do you think made your shadow move? Is there a way you could use this movement to tell time?

5. Star Maker

Pick a favorite constellation, or create a pattern of stars to make your own indoor star show! You will need:

- a film canister
- a flashlight
- a large thumbtack (those jumbo ones work best)
- constellation patterns

http://www.wnit.org/OutdoorElements/pdf/Constellation_Canisters.pdf