



"[The Zula Patrol is] Sesame Street in outer space."

—The New York Times

Dear Family,

In school, your child has been studying **Sky-High Science**. Inspired by the award-winning public television program *The Zula Patrol*, this program helps your child:

- build important **science, language arts,** and **math** skills
- observe and track science in the sky

On the next page is a fun and interactive activity to help build these skills at home. We encourage you to do this activity with your child!



Tune In to *The Zula Patrol*

Check your local listings for the groundbreaking program that has been described as "a space odyssey for kids that blends science education with comic characters" (*Nick Jr. Family Magazine*).

To learn how to contact your local PBS station with questions or feedback about the program, check out www.pbs.org.

Meet the Cast:

Bula

The fearless captain who is good at solving problems

Zeeter

Smart and talented, she works hard and learns through trial and error

Multo

An avid reader who believes in learning through books

Gorga

A spirited and loyal space pet who loves to investigate and collect data

Wizzy and Wigg

Two high-flying explorers who love learning new vocabulary

Visit zula.com for more great educational activities, games, and lessons.



Bula



Zeeter



Multo



Gorga

Wizzy and Wigg





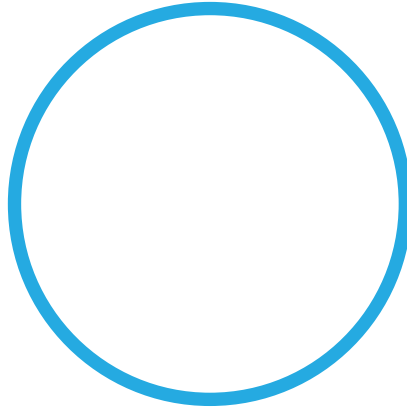
The Changing Moon



From Earth, we always see the same side of the moon. When we see the moon on different nights, the side that we see appears to change shape. That's because as the moon orbits, or travels around, Earth, the amount of sunlight reflected off the moon's surface changes. So we see different parts of the surface of the moon on different nights depending on how much light is being reflected from the sun. The different parts or shapes of the moon that we see are called *phases*. Complete the following activity to *observe* and *predict* the phases of the changing moon!

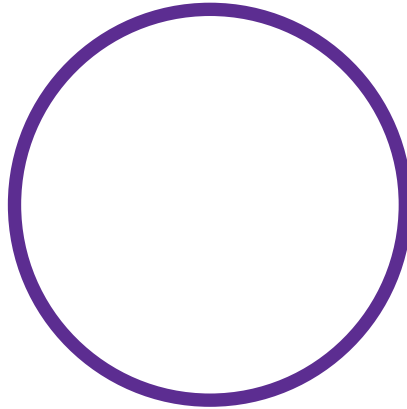
Step 1: Observe

On a clear night, observe the moon with your child. Guide your child to draw a picture of the moon as it appears.



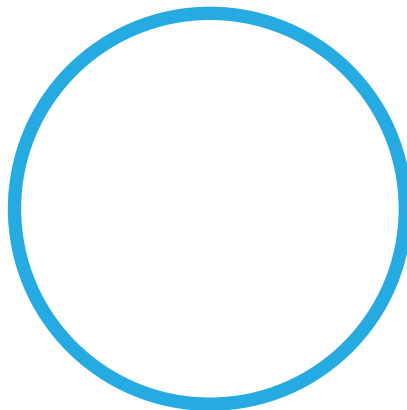
Step 2: Predict

Look together at the "Moon Phases" chart to the right. Find the phase that looks most like the moon your child drew. Now guide your child to draw how the moon will look in its **next** phase.



Step 3: Observe (four days later)

About four days later, draw the moon again. How close is this picture to your prediction in Step 2?



Step 4:

On separate paper, make a chart to observe and predict the different phases of the moon you see over a month. Every four days, draw a picture of the moon that you see, and then predict what will come next!

Moon Phases

