

Little Star Cut-out:

A Big Mooncake for Little Star: Moon Phase Viewer

Something (or someone) is responsible for the waxing and waning of the moon. When you read **A Big Mooncake for Little Star** by Grace Lin (Little, Brown), you will get one very delicious explanation for the moon's phases.

Thanks to the Moon Phases Learning Toy activity we adapted from the fantastic HappyTotShelf.com, your reader can, like Little Star, actively view and change the moon's phases.

What You Will Need:

- Two 16 oz. Clear Drink Cups
- Little Star Cut-out
- Permanent Black Marker
 - Scissors
 - Clear Tape

Prepping Your Moon Viewer:

- 1) Cut out Little Star Cut-out above.
- 2) Roll the paper (with the image on the outside) and nest the roll into the bottom of one of the cups.
- 3) Making sure the paper is pressed as close as possible to the inside of the cup, tape the overlap of the paper to the inside of the cup.
- 4) Place the cup (with the paper inside) into the second plastic cup.
- 5) Do you notice the white dots under the Full Moon and Little Star? Good! These will be your markers for drawing your shadows.
- 6) With your black marker, make a dot over the white dot under the moon.
- 7) Turn the bottom cup to the right until your black dot covers Little Star's dot.
- 8) Make a new black dot under the Moon.

An activity for the picture book **A Big Mooncake for Little Star** by Grace Lin (Little, Brown)

Turn to the next page to learn how to Draw Your Moon Phases!

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Drawing Your Moon Phases:

You can now use the black marker to draw the shadows that cover the moon during its cycle. Those shadows will be drawn on the outside cup (just like the dots).



With your marker, draw this shadow directly over the yellow moon. (Waxing Gibbous Moon)

Again, turn the bottom cup to the right until your latest black dot covers Little Star's dot. Make a new black dot over the white dot under the Moon.



With your marker, draw this shadow directly over the yellow moon. (First Quarter Moon)

Again, turn the bottom cup to the right until your latest black dot covers Little Star's dot. Make a new black dot over the white dot under the Moon.



With your marker, draw this shadow directly over the yellow moon. (Waxing Crescent Moon)

Again, turn the bottom cup to the right until your latest black dot covers Little Star's dot. Make a new black dot over the white dot under the Moon.



With your marker, draw this shadow directly over the yellow moon. (New Moon)

Again, turn the bottom cup to the right until your latest black dot covers Little Star's dot. Make a new black dot over the white dot under the Moon.



With your marker, draw this shadow directly over the yellow moon. (Waning Crescent Moon)

Again, turn the bottom cup to the right until your latest black dot covers Little Star's dot. Make a new black dot over the white dot under the Moon.



With your marker, draw this shadow directly over the yellow moon. (Third Quarter Moon)

Again, turn the bottom cup to the right until your latest black dot covers Little Star's dot. Make a new black dot over the white dot under the Moon.

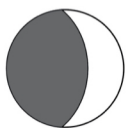


With your marker draw, this shadow directly over the yellow moon. (Waning Gibbous Moon)

Now spin your cup to experience and learn the phases of the moon!



NEW MOON



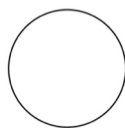
WAXING
CRESCENT



FIRST
QUARTER



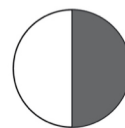
WAXING
GIBBOUS



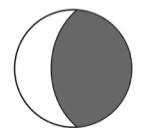
FULL MOON



WANING
GIBBOUS



THIRD
QUARTER



WANING
CRESCENT