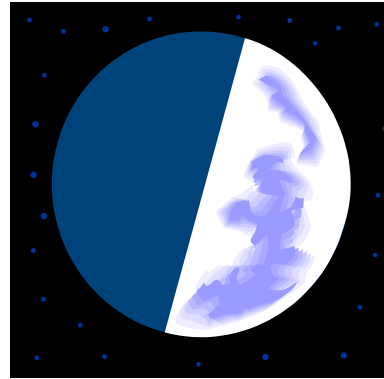
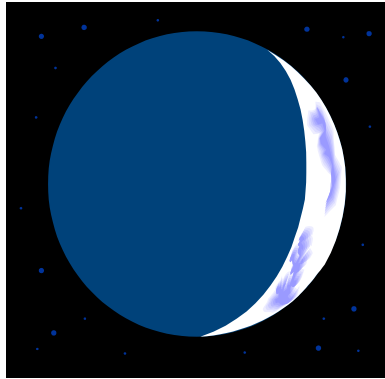


## Moon Phase Bulletin Board Lesson Plan

### Materials:

1. black construction paper for the bulletin board background
2. 35 moon templates, pdf: <http://www.middleschoolscience.com/moontemplate.pdf>
3. large white lettering that says "Moon Phases" for your title
4. medium white lettering for days of week; **S, M, T, W, T, F, S**
5. small 3x5 index cards:
  - 2 purple index cards that say "NEW MOON"
  - 2 blue index cards that say "1<sup>st</sup> Quarter"
  - 2 green index cards that say "3<sup>rd</sup> Quarter"
  - 2 orange or yellow index cards that say "FULL MOON"
  - 2 white index cards that say "Waxing Gibbous" in Orange Marker
  - 2 white index cards that say "Waning Gibbous" in Green Marker
  - 2 white index cards that say "Waxing Crescent" in Blue Marker
  - 2 white index cards that say "Waning Crescent" in Purple Marker
  - 6 pink index cards that say "Week of \*\*.-\*\*-05"
6. daily moon phase information from paper or internet; <http://www.almanac.com/astronomy/moon/>
7. scissors, pencil, and pushpins





**Directions:**

1. Once you have all your materials, you can start making your moon phases.
2. Using a moon calendar and the moon template, draw the current phase onto the template. You don't have to be precise; it should look similar to the phase on the calendar.
3. Using your pencil, shade in the darkened part of the moon.
4. Cut out the darkened side of the moon and hang up the white part of the moon using push pins.
5. Be sure to orientate it exactly as it is in the calendar.
6. Besides the 4 quarters of the moon, you will also have waxing and waning crescent and waxing and waning gibbous.
7. There will be some days, during the new moon, where you will not put any moons on the calendar. It will be a black space.
8. Continue hanging one moon phase a day until you have completed 5 weeks.
9. You can use the index cards to label the phases of the moon as you go along.
10. On the chalk board, you can write the times for the moon rise and moon set for each day.
11. Briefly discuss the phase each day, ask students what phase it is and what patterns they notice.

**Sample Bulletin Board:**

