1. This image from Google Images could become a reference poster.

2. Label the phases on the Smartboard/whiteboard.

3. Students fill out a lab sheet and draw the phases on their own.

4. Read plenty of books.

5-6. Students engineer moon landers, build telescopes, make moon craters, and use the moon board.

Students take notes in their journals.
RESOURCES

Internet Resources

- NSTA position statement: http://www.nsta.org/about/positions/ngss.aspx
- Bright Explosion on the Moon http://science.nasa.gov/science-news/science-atnasa/2013/16may_lunarimpact
- Moon wheel (purchased from Upper Grades are Awesome) http://uppergradesareawesome.blogspot.com/2013/04/phasesof-moon.html
- Moon phases assessment inspired by “Tracy Smith’s Phases of the Moon Unit” www.teacherspayteachers.com/Product/Phases-of-the-Moon-Science-Unit-for-Grades-2-4-924507
- Moon Rover activity adapted from PBS Kids Design Squad http://pbskids.org/designsquadr/parentseducators/resources/roving_the_moon.html
- Moon phases foam board http://teachingjunkie.blogspot.ca/2013/03/clearest-way-toteach-moon-phasesever.html

Suggested Trade Books

The following books were used in my classroom or used by our librarian during the moon unit.

Connecting to the Standards

Standard: ESS1-1 Earth’s Place in the Universe

Performance Expectation:
1-ESS1-1 Use observations of the sun, moon, and stars to describe patterns that can be predicted.

Science and Engineering Practice:
Analyzing and Interpreting Data
Disciplinary Core Ideas:
ESS1. A: The Universe and Its Stars
ESS1. B: Earth and the Solar System
Crosscutting Concepts:
Patterns
Cause and effect
Stability and change
NGSS Table:
www.nextgenscience.org/1ess1-earth-placeuniverse
Common Core State Standards:
Integration of Knowledge and Ideas:
CCSS. ELA-Literacy. RL. 2. 7
Use information gained from the illustrations and words in a print or digital text to demonstrate understanding of its characters, setting, or plot.

National Governors Association Center for Best Practices


Questions? I’m happy to help.
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October 2014 vol 52, # 2