

| | Strand/Substrand | Standard | Benchmark | Curriculum | Assessment |
|--|---|--|---|--|--|
| | Earth and Space Science - The Universe | 1. The sun and moon have locations and movements that can be observed and described. | Recognize the pattern of apparent changes in the moon's shape and position. | Ask an Astronomer videos and Harcourt animation and Google Apps Moon Phase Gadget | Online journal entry |
| | | 1. The Earth is the third planet from the sun in a system that includes the moon, the sun, seven other planets and their moons, and smaller objects. | Recognize that the sun is a medium-sized star, one of billions of stars in the Milky Way galaxy, and the closest star to Earth. | NASA Starchild website: http://starchild.gsfc.nasa.gov/docs/StarChild/univer NASA star poster, and hubble site on black holes: http://hubblesite.org/explore_astronomy/bl | Online Journal |
| | | 2. Objects in the solar system as seen from Earth have various sizes and distinctive patterns of motion. | Recognize that the Earth is one of several planets that orbit the sun, and that the moon orbits the Earth. | The McDonald Observatory at the University of Texas: http://stardate.org/astroguide/ssguide , Space School videos, | Lesson 5 quiz and online journal |
| | NETS-S Standards (ISTE) | | | | |
| | 1. Creativity and Innovation | Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. | a. apply existing knowledge to generate new ideas, products, or processes | | Animoto video and Google Docs presentation slides. |
| | | | b. create original works as a means of personal or group expression | | Animoto video and Google Docs presentation slides. |
| | 2. Communication and Collaboration | Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others. | a. interact, collaborate, and publish with peers, experts, or others employing a variety of digital environments and media | Students use Google Docs to create a website used to document their journey through the course. This online journal is used in class for discussion and active response by their peers. | Online journal |

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| | | | b. communicate information and ideas effectively to multiple audiences using a variety of media and formats | Students use Google apps to create a presentation that is uploaded to Animoto to create a video presentation of their learning. | Animoto video and Google Docs presentation slides. |