

Science Grade 6 – Earth Student Learning Expectations

The student should be able to:

1. Explain how the Sun's position in the sky causes shadows to change on Earth.
2. Explain how the rotation of the Earth causes the day/night cycle, and how its revolution causes an Earth year.
3. Explain how the change of seasons is caused by the Earth's revolution around the Sun and by Earth's tilt on its axis.
4. Explain the lunar cycle in terms of its length, phases, and appearance from Earth.
5. Identify the objects and how they move within our Solar System.
6. Identify the Sun as an average sized star which provides energy for life on Earth.
7. Explain how the motions of a planet determine its day and year length.
8. Explain how the force of gravity affects objects in the Solar System.
9. Identify some of the unique characteristics of planets.
10. Explain how data is collected through remote sensing.

