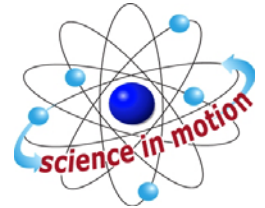


SECTION 2: THE MOON ORBITS THE EARTH



Westminster College

LAB

INTRODUCTION

In this section, students create a model of the Earth and Sun to discover the phases of the moon, how the moon revolves around the Earth, how the moon reflects the Sun's light, and why we always see the same side of the moon.

ASSESSMENT ANCHORS ADDRESSED

- S4.A.3.1** Use models to illustrate simple concepts and compare the models to what they represent.
- S4.A.3.3** Identify and make observations about patterns that regularly occur and reoccur in nature.
- S4.D.3.1** Describe Earth's relationship to the sun and the moon.

PURPOSE

Students will create a model of the moon and chart the moon's phases to learn about the moon's relationship to Earth.

MATERIALS

| For each pair | For the class |
|----------------------|-----------------------------------|
| 1 Styrofoam ball | 1 lamp with bulb attached to book |
| 1 toothpick | Extension cord* |
| | 1 moon poster |

*Teacher provides items marked with **