



METEORITES, MOON ROCKS & COLLISIONS

4th & 6th Grades

DESCRIPTION

Enhance your 4th or 6th grade students' understanding of the solar system as students will compare and contrast the physical attributes of planets. Hands-on experiments include modeled meteorite impacts on a planetary surface. Students will learn to distinguish between planets, moons, asteroids, and comets. Program will run for 1.5 hours.

30 MINUTES - LAB

- Discuss elements of the solar system, including the Sun, Earth, and other planets, meteors, asteroids, and comets
- Create a model of meteorite impacts on a planetary surface and conduct analysis of how the angles of descent affect crater size

30 MINUTES - GALLERY TIME

- The Millar Science in Motion gallery will feature actual equipment used to venture into space, in addition to full-sized replicas and scaled models
- Examine the surface of the Moon using a relief map of the lunar surface

- Discussions will also include a description of the conditions faced by the Apollo 11 astronauts on their moon landing
- A demonstration using models of how we got to the Moon and back
- Scavenger hunt emphasizing space exploration and how we got to the Moon

30 MINUTES – PLANETARIUM SHOW

- Firefall

TAKE HOME ITEMS

- Meteorite bookmarks and Moon maps

REVISED 09.11.20

GEORGIA STANDARDS OF EXCELLENCE:
S4E1ad, MDSE4.MD5a, SS4E1f, S6E1abcd, MGSE6.SP.5abcd