

Maine

(Proposed New Standards / 2006)
Elementary School

Starry Night Lesson Plans Grades K-2 Grades 3-4

D. THE PHYSICAL SETTING - Students will understand the universal nature of matter, energy, force and motion, and will be able to identify how these relationships are exhibited in Earth Systems, in the solar system and throughout the universe.

1, 2, 3, 4

1, 2, 3

Grades K-2

D1 UNIVERSE AND SOLAR SYSTEM

D1 Students will describe the movement of objects across the sky, as seen from the Earth.

1, 2, 3, 4

1, 2, 3

a. Describe the general motion of Sun and Moon as they seem to move across the sky.

1, 3, 4

2

b. Describe the changes in the appearance of the Moon from day to day.

4

D2 EARTH

D2 Students describe Earth's weather and surface materials and the different ways they change.

1

2

a. Describe the effect that the Sun has on air, water and land.

1

2

b. Describe the way in which weather changes day to day and over months.

1

2

Grades 3-4

D1 UNIVERSE AND SOLAR SYSTEM

D1 Students will describe the positions, and motions of different objects in and beyond our solar system and how they can be viewed from Earth.

1, 2, 3, 4

1, 2, 3

a. Show the locations of the Sun, Earth, Moon, and planets and their orbits.

1, 2, 3, 4

1, 2

b. Describe the apparent daily orbiting of the Sun around Earth.

1

2

c. Describe how stars are like the Sun.

2, 3

3

D2 EARTH

D2 Students will describe the properties of Earth's materials, the processes that change them, and cycles that affect the Earth.

a. Explain the effects of the rotation of Earth on the day/night cycle and how that cycle affects local temperature.

1, 3

2