

Rhode Island
Elementary School

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

Grades K-2

ESS2 - The earth is part of a solar system, made up of distinct parts that have temporal and spatial interrelationships.

1, 2, 3, 4

1, 2, 3

ESS2 (K-2) –7

Students demonstrate an understanding of temporal or positional relationships between or among the Earth, sun, and moon by ...

1, 2, 3, 4

1, 2, 3

7a observing that the sun can only be seen in the daytime, but the moon can be seen sometimes at night and sometimes during the day.

1, 3, 4

2, 3

7b observing that the sun and moon appear to move slowly across the sky.

1, 3, 4

2, 3

7c observing that the moon looks slightly different from day to day.

4.00

ESS3 - The origin and evolution of galaxies and the universe demonstrate fundamental principles of physical science across vast distances and time

1, 2, 3, 4

1, 2, 3

ESS3 (K-2) –9

Students demonstrate understanding of processes and change over time within the system of the universe (Scale, Distances, Star Formation, Theories, Instrumentation) by...

1, 2, 3, 4

1, 2, 3

9a observing that there are more stars in the sky than can easily be counted, but they are not scattered evenly and not all the same in brightness.

1, 3

3.00

Rhode Island
Elementary School (cont'd)

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

Grades 3-4

ESS2 - The earth is part of a solar system, made up of distinct parts that have temporal and spatial interrelationships. 1, 2, 3, 4 1, 2, 3

ESS2 (3-4)-7

Students demonstrate an understanding of temporal or positional relationships between or among the Earth, sun, and moon by ... 1, 2, 3, 4 1, 2, 3

7a observing that the sun, moon, and stars appear to move slowly across the sky. 1, 3, 4 1, 2, 3

7b observing that the moon looks slightly different from day to day but looks the same again in about 4 weeks. 4.00

7c recognizing that the rotation of the Earth on its axis every 24 hours produces the day/night cycle. 1, 3 2, 3

ESS2 (3-4)-8

Students demonstrate an understanding of characteristics of the solar system by ... 1, 2, 3, 4 1, 2, 3

8a recognizing that: the sun is the center of our solar system; the Earth is one of several planets that orbits the sun; and the moon orbits the Earth. 2, 4 1.00

8b recognizing that it takes approximately 365 days for the Earth to orbit the sun. 1, 2, 3

ESS3 - The origin and evolution of galaxies and the universe demonstrate fundamental principles of physical science across vast distances and time 1, 2, 3, 4 1, 2, 3

ESS3 (3-4)-9

Students demonstrate understanding of processes and change over time within the system of the universe (Scale, Distances, Star Formation, Theories, Instrumentation) by... 1, 2, 3, 4 1, 2, 3

9a recognizing that throughout history people have identified patterns of stars that we call constellations 1, 3 3.00