

New Jersey
Elementary School

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

Grades K-2

5.9.2 A. Earth, Moon, Sun System

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| 1. Recognize that the sun supplies light and heat to the Earth. | 1, 2, 3 | 1, 2 |
| 2. Observe the patterns of day and night and the movements of the shadows of objects on the Earth during the course of a day. | 1, 3 | 2 |

5.9.2 B. Solar System

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| 1. Recognize that the sun can only be seen during the day, but the moon can be seen sometimes at night and sometimes during the day. | 1, 4 | 2 |
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5.9.2 C. Stars

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| 1. Observe that stars are many, scattered, and different in brightness. | 1, 3 | 3 |
| 2. Observe that the position of the stars, with respect to each other (constellations) is unchanging. | 1, 3 | 3 |

Grades 3-4

5.9.4 A. Earth, Moon, Sun System

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| 1. Observe patterns that result from the Earth's position relative to the sun and rotation of the Earth on its axis. | 1, 3, 4 | 2, 3 |
| 2. Recognize and describe the phases of the moon. | 4 | |

5.9.4 B. Solar System

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| 1. Describe Earth as one of several planets that orbit the sun and the moon as a satellite of the Earth. | 2, 4 | 1 |
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5.9.4 C. Stars

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| 1. Observe that stars are not all the same in brightness, size, and color. | | 3 |
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5.9.4 D. Galaxies and Universe

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| 1. Recognized that images of celestial objects can be magnified and seen in greater detail when observed using binoculars and light telescopes. | 2, 4 | 1, 3 |
| 2. Observe and record short-term and long-term changes in the night sky. | 1, 3,4 | 1, 2, 3 |