

Missouri
Middle School

Starry Night Lesson Plans

In order of relevance

Strand 6: Composition and Structure of the Universe and the Motion of the Objects Within It

Grade 5

1. The universe has observable properties and structure

A. The Earth, Sun, and moon are part of a larger system that includes other planets and smaller celestial bodies	B1-B2	C1-C4	A1-A5	D1-D3
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B. The Earth has a composition and location suitable to sustain life	B1-B2	C1-C4	F1	F2
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2. Regular and predictable motions of objects in the universe can be described and explained as the result of gravitational forces

B. The apparent position of the moon, as seen from Earth, and its actual position relative to Earth change in observable patterns	A3	A4	A5
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C. The regular and predictable motions of the Earth and moon relative to the Sun explain natural phenomena on Earth, such as day, month, year, shadows, moon phases, eclipses, tides, and seasons	A1-A5	E1-E4
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Grade 7

1. The universe has observable properties and structure

A. The Earth, Sun, and moon are part of a larger system that includes other planets and smaller celestial bodies	B1-B2	C1-C4	D1-D3	A1-A5
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B. The Earth has a composition and location suitable to sustain life	B1-B2	C1-C4	F1	F2
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C. Most of the information we know about the universe comes from the electromagnetic spectrum	G1-G3	I1-I2
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2. Regular and predictable motions of objects in the universe can be described and explained as the result of gravitational forces

A. The apparent position of the Sun and other stars, as seen from Earth, change in observable patterns	A1	A2	E1-E4
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B. The apparent position of the moon, as seen from Earth, and its actual position relative to Earth change in observable patterns	A3	A4	A5
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C. The regular and predictable motions of a planet and moon relative to the Sun explain natural phenomena on a planet, such as day, month, year, shadows, moon phases, eclipses, tides, and seasons	A1-A5	B1	E1-E4
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D. Gravity is a force of attraction between objects in the solar system that governs their motion	C2	F3	B1	G3	I2
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