

**Stories in the Stars Astronomy  
Vocabulary and Standards Alignment**

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**Description:** Have you ever wondered how the constellations got their names? In this interactive session, students will investigate the myths or stories behind specific constellations in the night sky. Students will work with their own cluster of stars to create a constellation and a story to go with it. Students will learn about current astronomical events, how to locate constellations in the night sky, and explore what they can find in the night sky right now.

**Key Vocabulary & Learning Concepts**

Constellation	Blue Moon	Radiant Point	Orbit
Asterism	Meteor	Asteroid	Moon phases
Myth	Meteor Shower	Comet	
Full Moon	Meteoroid	Planetary motion	

**This session aligns with the following NC teaching standards for grades 2 through 7**

**Second Grade**

Science 2.E.1 Understand patterns of weather and factors that affect weather

Language Arts L.2.4 Determine and/or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 2 reading and content, choosing flexibly from an array of strategies: context clues, word parts, word relationships, and reference materials

**Third Grade**

Science 3.P.1 Understand motion and factors that affect motion

Science 3.E.1 Recognize the major components and patterns observed in the earth/moon/sun system

Language Arts L.3.4 Determine and/or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 3 reading and content, choosing flexibly from a range of strategies: context clues, word parts, word relationships, and reference materials

Language Arts L.3.6 Acquire and use accurately grade-appropriate conversational, general academic, and domain-specific words and phrases, including those that signal spatial and temporal relationships

Social Studies 3.H.1.3 Exemplify the ideas that were significant in the development of local communities and regions

Social Studies 3.H.2.2 Explain how multiple perspectives are portrayed through historical narratives

#### **Fourth Grade**

Science 4.E.1 Explain the causes of day and night and phases of the moon

Language Arts L.4.4 Determine and/or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 4 reading and content, choosing flexibly from a range of strategies: context clues, word parts, word relationships, and reference materials

Language Arts L.4.6 Acquire and use accurately grade-appropriate general academic and domain-specific words and phrases, including those that signal precise actions, emotions, or states of being and that are basic to a particular topic

#### **Fifth Grade**

Science 5.E.1 Understand weather patterns and phenomena, making connections to the weather in a particular place and time

#### **Sixth Grade**

Science 6.E.1 Understand the earth/moon/sun system, and the properties, structures and predictable motions of celestial bodies in the Universe

#### **Seventh Grade**

Language Arts L.7.4 Determine and/or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 7 reading and content, choosing flexibly from a range of strategies: context clues, word parts, word relationships, and reference materials

Language Arts L.7.6 Acquire and use accurately grade-appropriate general academic and domain-specific words and phrases; develop vocabulary knowledge when considering a word or phrase important to comprehension or expression