

BEAUMONT INDEPENDENT SCHOOL DISTRICT

Astronomy (Overview)

NINE WEEKS 1	NINE WEEKS 2	NINE WEEKS 3	NINE WEEKS 4
<p><u>Science Practices</u> Safety</p> <p><u>Our Place in Space</u> Astronomical Measurement Model the Solar System Model the Galaxy</p> <p><u>Astronomy and Civilization</u> Early Observations Keeping Time The 16th and 17th Century Present Day Astronomy Tools of Astronomers</p> <p><u>Patterns and Cycles in the Sky</u> Celestial Sphere Apparent Motions of the Sun, Moon, and Planets Constellations Seasonal Changes in the Night Sky</p>	<p><u>Gravity and Motion</u> Law of Universal Gravitation Newton's Laws of Motion</p> <p><u>The Sun-Earth-Moon System</u> Rotation and Revolution Phases of the Moon Eclipses Tides Seasons Earth's Tilt Tropics and Equator Equinoxes and Solstices</p> <p><u>Solar System</u> Terrestrial Planets Gas Giants Moons Small Solar System Objects</p>	<p><u>Our Star the Sun</u> Properties Nuclear Fusion as Energy Source The Solar Cycle Magnetic Storm Activity and Space Weather</p> <p><u>Using Light to Learn about Stars</u> Properties of Light Electromagnetic Spectrum</p> <p><u>Life Cycle of Stars</u> Stellar Nurseries Main Sequence Mass and Fusion Death of stars H-R Diagram</p>	<p><u>The Milky Way</u> Structure Composition and size Stellar Populations Evolution</p> <p><u>Galaxies</u> Characteristics Types of Galaxies</p> <p><u>Cosmology</u> Evidence and Theories of the Origin of the Universe Fate of the Universe</p> <p><u>History and Future of Space Exploration</u> Unmanned Space Exploration Manned Missions Ground-based Astronomy Space Observatories</p>