Astronomy Year-At-A-Glance

Term 1	Term 2	Term 3	Term 4
Unit 1: Introduction to Astronomy 1. Safety & Scientific Method 2. Astronomy as a Science 3. Scaling and Measuring Space **Dates:** Aug 19 - Aug 28 **TEKS:** 5A, 6D, 7A	**Unit 4**: The Solar System 1. Heliosphere and the Formation of the Solar System 2. Planets and Dwarf Planets of the Solar System 3. Planetary Orbits and Kepler's Laws **Dates:** Oct 13- Nov 6 **TEKS:** 5B, 7C, 9D, 11A-D	**Unit 6**: Stars and Stellar Evolution 1. Formation and Structure of Stars 2. Stellar Evolution 3. Solar Observations and Exploration Missions **Dates:** Jan 6 - Feb 9 **TEKS:** 12A-D, 13A-F	**Unit 8**: Cosmology 1. Gravity, Fundamental Particles, and Quantum Theory 2. Cosmic Microwave Background 3. The Big Bang Theory **Dates:** Mar 22 - Apr 21 **TEKS:** 15A-E
Unit 2: Observing the Night Sky 1. Identifying Constellations 2. The Celestial Sphere 3. Field Measurements **Dates:** Aug 31 - Sept 18 **TEKS:** 5C. 6A-C. 9A-C	**Unit 5**: Earth-Moon System 1. Formation of the Moon 2. Moon Phases and Appearance 3. Lunar Exploration and Missions **Dates:** Nov 10 - Dec 8 **TEKS:** 7B, 8A-D	**Unit 7**: Properties and Classifications of Galaxies 1. Galactic Evolution and Classification 2. Measuring Galactic Distances **Dates:** Feb 10 - Mar 19 **TEKS:** 13G, 13H, 14A-E	**Unit 9**: Space Exploration and MIssions 1. History of Rocketry/Space Flight 2. Rocket Design and Evolution 3. Deep-Space Exploration Programs **Dates:** Apr 22 - May 7 **TEKS:** 16A, 16B, 16D, 16F
Unit 3: Astronomical Technology and Tools 1. Ancient Devices and Locations 2. Binoculars and Telescopes 3. Electromagnetic Spectrum and Spectroscopy **Dates:** Sept 22 - Oct 8 **TEKS:** 10A-D			**Unit 10**: Astrobiology 1. Characteristics of Life on Earth 2. Exoplanets 3. The Drake Equation **Dates:** May 10- May 18 **TEKS:** 11D, 16C, 16E
Important Dates: Aug 19: Term Begins Sept 7: District Holiday *Sept 8 - 11: BOY Window* Sept 21: District Inservice Oct 8: Term Ends	**Important Dates:** Oct 9: Student/Teacher Holiday Oct 12: Campus Inservice Oct 13: Term Begins Nov 9: District Inservice Dec 18: Term Ends	**Important Dates:** Jan 4 - 5: Campus Inservice Jan 6 Term Begins Jan 18: District Holiday Feb 15: Campus Inservice Mar 8 - 12: District Holiday Mar 19: Term Ends	**Important Dates:** Mar 22: Term Begins Mar 25 and 29: District Holiday *Apr 26 - May 7: EOY Window* May 27: Term Ends