

2022-2023 Astronomy Year-At-A-Glance

Unit Title	Student Expectations
Unit 1 – History of Astronomy and Telescopes	Investigate ancient astronomy in cultures
TEKS – 4-A,B,C,D; 14-A,B,C,D,E	Investigate modern astronomers
	Investigate historic and modern Telescopes
Unit 2 – Investigating Motions of the Sky	Observe motions of the Sun in the Sky
TEKS – 5-A,B,C; 6-A,B,C; 8-A,B,C,D	Recognize Solstices, Equinoxes and Seasons
	Observe motions of the Stars in the Sky
	Constellation Project
2nd Nine Weeks: October 17 – December 16 (40 days)	
	Observe motions of the Planets in the Sky
Unit 3 – Investigating the Sun-Earth-Moon System	Examine our Local Neighborhood
TEKS – 5-A,B; 6-A,B,C; 7-A,B,C,D	Differentiate Rotation vs Revolution
	Illustrate Phases of the Moon
	Observe Solar and Lunar Eclipses
Unit 4 – Investigating Solar System Objects	Record Important Planetary Characteristics
TEKS – 4-D; 6-A,B,C; 9-A,B,C,D	Observe Distance Among the Planets
	Explore the Planets and Their Moons
	Review and Exam
3rd Nine Weeks: January 4 – March 10 (46 days)	
Unit 5 – The Sun	Identify the Sun's characteristics
TEKS – 4-D; 10-A,B,C,D	
	Describe the Sun's 11 year cycle
Unit 6 – Stars	Explore the Life Cycle of Stars
TEKS – 6-D,E; 11-A,B,C,D,E,F,G	Contrast low and high mass stars
	Construct a H-R Diagram (Project)
	Investigate current theories of Black Holes
Unit 7 – Big Bang	Research the development of the Big Bang Theory
TEKS – 13-A,B,C	Describe current theories of Evolution

2022-2023 Astronomy Year-At-A-Glance

	Differentiate the fate for the Universe
Unit 8 – Galaxies & Black Holes	Describe characteristics of Galaxies
TEKS – 6-C,E; 12-A,B,C	Identifying the Galaxies
	Compare the different Galaxies
Unit 9 – Space Missions	Investigate historic Space Missions
TEKS – 4-D; 14-A,B,C,D,E	Investigate modern Space Missions
Unit 10 – The Future	Explore Possible Future Space Missions
TEKS – 14-A,B,C,D,E	Where to Search for Alien Life?
	Review and Exam