

Scope and Sequence

Subject/Title of Unit	Grade	6 Weeks	Estimated Time Frame (# of days)
Science Characteristics of the Universe	Eighth	3 rd Six Weeks	2 Weeks
TEKS/Student Expectations		Examples/Specifications:	
<p>(13)</p> <p>(A) describe characteristics of the universe such as stars and galaxies;</p> <p>(B) explain the use of light years to describe distances in the universe; and</p> <p>(C) research and describe historical scientific theories of the origin of the universe.</p>		<p>13 A- explain and illustrate the life cycle of a star and galaxies</p> <p>13 B- illustrate the a light year as a measure that they can understand, such as light can travel from point A to point B in the this much time</p> <p>13 C- discuss theories that describe a scientific explanation to how the universe began including the solar system and the sun, explain that this is a scientific explanation only</p>	
Language of Instruction:		Instructional Resources/Textbook Correlations:	
Radio telescope Observatory Spectrograph Galaxy Universe Light-year Giant star Pulsar Nebula Protostar White dwarf Supernova Neutron star Black hole Quasar	Binary star Eclipsing binary Spiral galaxy Elliptical galaxy Irregular galaxy Big Bang Theory	Prentice Hall Science Explorer Textbook and Guided Reading Workbook Chapter 8	
		Weblinks/Other Resources:	
Evaluation/External Assessment/Local Assessment:		Best Instruction Timeline:	

Teacher Test Light Year Illustration Star Life Cycle Illustration	1 day- What is a star, planet, galaxy, and other bodies found in the universe 3 days- Life cycle of a star 2 days- Illustration of a light year and the speed of light 3 days- Explanation of the universes beginnings 1 day- Review concepts
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