

Month	Core Content	Objectives	Activities
			notes, Vocabulary Ch 31
August	2.3.1 Gravity 2.3.2 Big Bang and earth's formation 2.3.7 Earth's age 4.6.1 Matter and energy relationships 4.6.8 Connections between earth systems and its sources of energy DOK 3	Analyze how the planets formed a disc surrounding the young sun Compare/Contrast theories of earth's formation Analyze the formation of Earth's atmosphere and oceans	Model Big Bang (poppers) Nightline Video -Big Bang Vocabulary Ch 22 Study guide questions Mind jogger quizzes Build Celestral model study guide questions
August Sept.	2.3.3 Identification of composition of stars 2.3.4 Life Cycle of Stars 2.3.5 Nuclear Reactions DOK 2, DOK3	Explore the structure of stars (the sun) Describe the solar activity cycle and how the Sun affects Earth. Classify the types of stars Compare and Contrast the life cycle of a star to the life cycle of a human Analyze the formation of stars of different masses. Identify the relationship between nuclear reactions and energy	Vocabulary Ch. 30, notes Lab on spectrum analysis, Drawings of life cycle comparisons Graphic organizers Star gazer Lab Study Guide questions Test