

Louisiana
High School

Starry Night Lesson Plans

In order of relevance

Grades 9-12

A. ENERGY IN THE EARTH SYSTEM

ESS-H-A1 investigating the methods of energy transfer and identifying the Sun as the major source of energy for most of the Earth's systems (1, 3, 4)

F1-F3

ESS-H-A2 modeling the seasonal changes in the relative position and appearance of the Sun and inferring the consequences with respect to the Earth's temperature (1, 2, 3, 4)

A2 E3 E4

C. THE ORIGIN AND EVOLUTION OF THE EARTH SYSTEM

ESS-H-C1 explaining the formation of the solar system from a nebular cloud of dust and gas (1, 2, 3, 4)

F3

D. THE ORIGIN AND EVOLUTION OF THE UNIVERSE

ESS-H-D1 identifying scientific evidence that supports the latest theory of the age and origin of the universe (1, 2, 3, 4)

H1-H3 I3

ESS-H-D2 describing the organization of the known universe (1, 3, 4)

G1-G3 H1-H3

ESS-H-D3 comparing and contrasting the Sun with other stars (1, 4)

F1-F3 G1-G3

ESS-H-D4 identifying the elements found in the Sun and other stars by investigating the spectra (1, 2, 3, 4)

G2

ESS-H-D5 describing the role of hydrogen in the formation of all the natural elements (1, 4)

F3 G2

ESS-H-D6 demonstrating the laws of motion for orbiting bodies (1, 3, 4)

C2 B1 F3 G3

ESS-H-D7 describe the impact of technology on the study of the Earth, the solar system, and the universe (1, 2, 3, 4, 5)

H1-H3 I1-I3 C1 C3 C4 F2