**K–8 Eclipse Links to the 2021 Adopted Science TEKS**

K–1.5.C describe the properties of objects in terms of relative size (scale) and relative quantity;

K–2.5.B investigate and predict cause and effect relationships in science;

K–2.5.D examine the parts of a whole to define or model a system;

K.9.B observe, describe, and illustrate the Sun, Moon, stars, and objects in the sky such

as clouds.

2.9.A describe the Sun as a star that provides light and heat and explain that the Moon reflects the Sun’s light.

2.9.B observe objects in the sky using tools such as a telescope and compare how objects in the sky are more visible and can appear different with a tool than with an unaided eye.

2.10.B measure, record, and graph weather information, including temperature and precipitation;

3–5.4.B research and explore resources such as museums, libraries, professional

organizations, private companies, online platforms, and mentors employed in a science,

technology, engineering, and mathematics (STEM) field to investigate STEM career.

3–8.5.B identify and investigate cause-and-effect relationships to explain scientific phenomena or analyze problems;

3–5.5.C use scale, proportion, and quantity to describe, compare, or model different systems;

3-8.5.D examine and model the parts of a system and their interdependence in the function of the system

3.9.A construct models and explain the orbits of the Sun, Earth, and Moon in relation to each other;

3.10.A compare and describe day-to-day weather in different locations at the same time,

including air temperature, wind direction, and precipitation

4.9.B collect and analyze data to identify sequences and predict patterns of change in the observable appearance of the Moon.

5.9.A demonstrate that Earth rotates on its axis once approximately every 24 hours and explain how that causes the day/night cycle and the appearance of the Sun moving across the sky, resulting in changes in shadow positions and shapes.

6–12.4.C research and explore resources such as museums, libraries, professional

organizations, private companies, online platforms, and mentors employed in a science,

technology, engineering, and mathematics (STEM) field to investigate STEM careers

6–8.5.C analyze how differences in scale, proportion, or quantity affect a system's structure or

performance;

6.9.B describe and predict how the positions of the Earth, Sun, and Moon cause daily, spring, and neap cycles of ocean tides due to gravitational forces.

7.9.C analyze the characteristics of Earth that allow life to exist such as the proximity of the Sun, presence of water, and composition of the atmosphere.

8.10.A describe how energy from the Sun, hydrosphere, and atmosphere interact and

influence weather and climate