Dawn of the Space Age Educational Standards (5-12)

Grade 5:

CTE.5.1.1 Examine how different innovations have developed/evolved in various cultures over time to improve life and solves problems.

SC.5.1.1 Identify the variables in scientific investigations and recognize the importance of controlling variables in scientific experiments.

SC.5.8.1 Describe the relationships (size and distance) of Earth to other components in the solar system.

SC.5.8.2 Describe examples of what astronomers have discovered using telescopes.

SC.5.8.3 Explain that the planets orbit the sun and that the moon orbits the Earth.

SS.5.1.1 Use chronological order to explain causal relationships between and among people and events.

SS.5.2.1 Analyze how beliefs and education and/or the society in which a person resides shapes his/her “point of view”.

SS.5.2.2 Judge the past in the context of the time instead of imposing present norms and values on historical events.

Grade 6:

SC.6.2.1 Explain how technology has an impact on society and science.

SC.6.2.2 Explain how the needs to society have influenced the development and use of technologies.

SC.6.7.1 Describe examples of how forces affect an object’s motion.

SS.6.1.1 Define causal relationships in historical chronologies.

SS.6.2.2 Explain the past in its own terms; not judging it solely by present day norms and values.
Grade 7:
SC.7.1.3  Explain the need to revise conclusions and explanations based on new scientific evidence.

Grade 8:
SC.8.2.1  Describe significant relationships among society, science and technology and how one impacts the others.
SC.8.2.2  Describe how scale and mathematical models can be used to support and explain scientific data.
SC.8.7.1  Explain that every object has mass and therefore exerts a gravitational force on other objects.
SS.8.2.2  Describe why different people may have different perspectives of the same historical events and multiple interpretations should be considered in order to avoid historical linearity and inevitability.

Earth, Space Science:
SC.ES.2.1  Explain how scientific advancements and emerging technologies have influenced society.
SC.ES.2.3  Explain the impact of humans in the Earth system.
SC.ES.2.4  Describe technologies used to collect information about the universe.

Biological Sciences:
SC.BS.2.1  Explain how scientific advancements and emerging technologies have influenced society.
SC.BS.2.2  Compare the risks and benefits of potential solutions to technological issues.

Physical Science:
SC.PS.2.1  Explain how scientific advancements and emerging technologies have influenced society.
SC.PS.2.2  Compare the risks and benefits of potential solutions to technological issues.
Chemistry:
SC.CH.2.1 Explain how scientific advancements and emerging technologies have influenced society.

SC.CH.2.2 Compare the risks and benefits of potential solutions to technological issues.

Physics:
SC.PH.2.1 Explain how scientific advancements and emerging technologies have influenced society.

SC.PH.2.2 Compare the risks and benefits of potential solutions to technological issues.