

## 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.