7th Grade Learning Outcomes
January 2019

English Language Arts

-Determine central ideas or themes of a text and analyze their development; summarize the key supporting details and ideas.

-Analyze how and why individuals, events, and ideas develop and interact over the course of a text.

-Analyze the structure of texts, including how specific sentences, paragraphs, and larger portions of the text (e.g., a section, chapter, scene, or stanza) relate to each other and the whole.

- Write arguments to support claims in an analysis of substantive topics or texts, using valid reasoning and relevant and sufficient evidence.

-Draw evidence from literary or informational texts to support analysis, reflection, and research.

Mathematics

- Compute unit rates.

- Recognize and represent proportional relationships between quantities using tables, graphs, equations, diagrams and verbal descriptions.

- Explain what a point (x,y) on the graph of a proportional relationship means in the context of the problem.

-Use proportional relationships to solve multistep ratio and percent problems.

Science

-Develop a model and use mathematical representations to describe waves that includes frequency, wavelength, and how the amplitude of a wave is related to the energy in a wave.

-Develop and use a model to describe that waves are reflected, absorbed, or transmitted through various materials.

-Integrate qualitative scientific and technical information to support the claim that digitized signals are a more reliable way to encode and transmit information than analog signals.

-Develop models to describe the atomic composition of simple molecules and extended structures.

-Gather and make sense of information to describe that synthetic materials come from natural resources and impact society.

-Develop a model that predicts and describes changes in particle motion, temperature, and phase (state) of a substance when thermal energy is added or removed.

-Use evidence to illustrate that density is a property that can be used to identify samples of matter.

-Plan and conduct an investigation to demonstrate that mixtures are combinations of substances.

Social Studies

-Investigate the successes and failures of the Articles of Confederation, leading to the need for the US Constitution.

-Examine multiple perspectives regarding the balance of power between the federal and state governments, the power of government, and the rights of the individual (Bill of Rights).

-Examine key issues resolved during the Constitutional Convention (Great Compromise, Federalism, the 3/5s Compromise).

- Determine the central ideas or information of a primary or secondary source; provide an accurate summary of the source distinct from prior knowledge or opinions.

Academic Vocabulary

Reveal Influence