

# 7<sup>th</sup> Grade Learning Outcomes

## January 2020

---

### English Language Arts

- Determine a theme or central idea of a text and analyze its development over the course of the text; summarize a text. (RI&RL)
- In literary texts, analyze how elements of plot are related, affect one another, and contribute to meaning. (RL) In informational texts, analyze how individuals, events, and ideas are introduced, relate to each other, and are developed. (RI)
- In literary texts, analyze how structure, including genre-specific features, contributes to the development of themes and central ideas. (RL)
- In informational texts, analyze the structure an author uses to organize a text, including how the sections contribute to the whole and to the development of themes and central ideas. (RI)
- Write arguments to support claims with clear reasons and relevant evidence.
- Draw evidence from literary or informational texts to support analysis, reflection, and research.

### Mathematics

- Write ratios and use them to compare quantities
- Find unit rates and unit costs using proportional reasoning
- Test whether ratios form a proportion by using equivalent ratios and cross products
- Solve proportions using unit rates, mental math, and cross products
- Use proportions to find missing lengths in similar figures
- Use proportions to solve problems involving scale
- Identify proportional relationships and find constants of proportionality

### Science

- Construct a scientific explanation based on evidence for the role of photosynthesis in the cycling of matter and flow of energy into and out of organisms.
- Develop a model to describe how food is rearranged through chemical reactions to release energy during cellular respiration and/or forming new molecules that support growth.

### 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

Statistics

Cite