

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

## December 2019

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### **English Language Arts**

- In literary texts, analyze how an author develops and contrasts the point of view and the perspectives of different characters or narrators. (RL) In informational texts, analyze how the author distinguishes his or her position from that of others. (RI)
- Write informative/explanatory texts to examine a topic and convey ideas, concepts, and information through the selection, organization, and analysis of relevant content.
- Draw evidence from literary or informational texts to support analysis, reflection, and research.

### **Mathematics**

- Write and evaluate algebraic expressions
- Simplify algebraic expressions using properties of operations
- Solve equations by adding, subtracting, multiplying or dividing
- Write and evaluate expressions with two operations and to solve two-step equations using number sense
- Solve two-step equations using inverse operations
- Solve equations of the form  $p(x+q)=r$  using the Distributive Property
- Graph and write algebraic inequalities
- Solve inequalities by adding or subtracting
- Solve inequalities by multiplying or dividing
- Solve two-step inequalities using inverse operations

### **Science**

- Analyze and interpret data on the properties of substances before and after the substances interact to determine if chemical reaction has occurred.
- Gather and make sense of information to describe that synthetic materials come from natural resources and impact society.
- Develop and use a model to describe how total number of atoms does not change in a chemical reaction and the mass is conserved.

### **Social Studies**

- Evaluate the changing economic relationship between the colonies and Great Britain.
- Analyze the actions taken by the British (Acts of Parliament) and colonial responses (Declaration of Independence).
- Explore military strategies/battles and the significance of New York (Battle of Brooklyn) during the Revolutionary War.
- Evaluate the impact of battles on the duration of the war as well as on the morale of the soldiers.
- Identify aspects of a text that reveal an author's point of view or purpose (e.g., loaded language, inclusion or avoidance of particular facts).

### **Academic Vocabulary**

Environment  
Convey