



**Grade: 6<sup>th</sup>**

**Course: Math**

Students will:

- Identify and understand the ratio, rate, and unit rate and use these concepts in real-world application problems.
- Use ratio concepts to make equivalent fractions and fractions as percents.
- Understand and apply knowledge of rational numbers by converting from fractions, decimals, and percents.
- Fluently add, subtract, multiply, and divide multi-digit decimals.
- Interpret, create, and compute to multiply and divide fractions.
- Identify, order, compare, and graph integers on number lines while applying them in real-world contexts.
- Graph integers in the coordinate plane and identify and understand the absolute value of the integers.
- Write, read, and evaluate numerical expressions and expressions in which letters stand for numbers.
- Write, solve, and understand math equations and inequalities.
- Identify, write, and apply functions & inequalities in tables and graphs.
- Find the area of polygons.
- Find the volume and surface area of prisms and pyramids.
- Recognize and understand a statistical question and recognize that the data from these questions can be summarized by measures of center and measures of variability.
- Display and interpret numerical data on number lines, dot plots, histograms, and box plots.

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**Course: ELA**

Students will:

- Cite text evidence to support their answers to questions/prompts.
- Determine a central idea and/or theme and develop a summary.
- Describe plot structure and interpret characters develop through the plot.
- Determine the meaning of new words and phrases in a text including figurative language.
- Evaluate claims of an argument in a text and identify reasons and evidence that support.
- Make connections to texts, ideas, personal experiences, etc. to further evaluate the quality of the text.
- Clarify and apply the meaning of unknown and multiple meaning words (including figurative language).
- Engage in collaborative discussions with various topics, texts, ideas, and be able to clearly express one's thinking.
- Present claims and findings of a given topic in a clear and logical manner.
- Demonstrate the appropriate use of conventions (spelling, capitalization, punctuation) in writing.
- Create clear & coherent writing that utilizes organization, transitions, and appropriate word choice.
- Develop and strengthen writing as needed with peers and adults by planning, revising, editing, and rewriting.
- Use technology to produce, publish, and interact and collaborate with others to further their writing process.
- Gather relevant information from print and digital sources to construct a research paper, while avoiding plagiarism.