

## Grade 6

### Mathematics

The textbook used is *Big Ideas Math: Modeling Real Life* from Big Ideas Math. This textbook uses an engaging and innovative approach that uses hands-on activities and scaffolded instruction. Students will be guided through concepts from the surface level through deeper level learning which allows them to use their skills in a complete and comprehensive way.

The following topics will be covered throughout the school year:

- Numerical Expressions and Factors
- Fractions and Decimals
- Ratios and Rates
- Percents
- Algebraic Expressions and Properties
- Equations
- Integers, Number Lines, Coordinate Planes

### Science

The textbook we use is *Elevate Science Course 1* by Savvas Realize, formerly known as Pearson. This text is used in conjunction with an online supplement version of the text, which includes a digital version of the textbook, online labs and activities to help foster what is discussed in the text using real-world examples. The Elevate Science program is an inquiry based curriculum that encourages students to use their own ideas and processes to problem solve, critically think, and generate their own questions.

The following topics will be discussed throughout the school year:

- Introduction to Matter
- Solids, Liquids, Gases
- Energy
- Thermal Energy
- Introduction to Earth's Systems
- Weather in the Atmosphere
- Minerals and Rocks in the Geosphere
- Plate Tectonics
- Earth's Surface Systems
- Living Things in the Biosphere