

Mathematics

The textbooks used for grades 7 and 8 are, *Big Ideas Math: Modeling Real Life* from Big Ideas Math. There are three versions, grade 7, pre-algebra, and algebra 1. These textbooks use 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.

Grade 7 Topics:

- Adding and Subtracting Rational Numbers
- Multiply and Divide Rational Numbers
- Expressions
- Equations and Inequalities
- Ratios and Proportions
- Percents

Pre-Algebra Topics(Grade $7\frac{1}{2}$):

- Equations and Inequalities
- Probability
- Statistics
- Geometric Shapes and Angles
- Surface Area and Volume

Algebra 1 Topics (Grade 8):

- Solving Linear Equations
- Solving Linear Inequalities
- Graphing Linear Functions
- Writing Linear Functions
- Solving Systems of Linear Equations