

# Welcome to 7<sup>th</sup> Grade Algebra

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## Math learning beliefs:

1. All students can learn. A growth mindset is a key component of learning at any level.
2. Learning is collaborative. Knowledge and authority are shared between teachers and students. We all learn from each other.
3. Rigor is important. Learning math takes effort and focus. We will study subjects in exacting depth, that both challenge and interest students.

## Curricular Overview:

### 7<sup>th</sup> Grade Algebra

1. Ratios and proportional relationships  
*Stretching & Shrinking; Comparing & Scaling (Connected Mathematics 3)*
2. Algebraic equations, graphs, and tables  
*Moving Straight Ahead (Connected Math Mathematics 3)*
3. Two and three-dimensional geometry  
*Shapes & Design; Filling & Wrapping (Connected Mathematics 3)*
4. Probability and statistics  
*What do you Expect?; Samples and Populations (Connected Mathematics 3)*

### 7<sup>th</sup> Grade Algebra Accelerated

1. Linear equations, graph, and tables  
*Thinking with Mathematical Models (Connected Mathematics 3)*
2. Geometry  
*Looking for Pythagoras; Butterflies, Pinwheels, and Wallpaper (Connected Mathematics 3)*
3. Functions (exponential and quadratic)  
*Growing, Growing, Growing; Frogs, Fleas, and Painted Cubes (Connected Mathematics 3)*
4. Solving systems of equations  
*Say it with Symbols; It's in the System (Connected Mathematics 3)*

## Grading:

### Formative Assessment (for practice and learning)

1. Homework is a formative assessment and will be graded based on completion.

2. Completed homework is input as 100%. Late homework receives 50%, and missing homework is 0%.
3. Late homework is generally accepted until the end of a particular unit.
4. Formative assessments are weighted as 5-10% of the total grade.
5. Expect math homework on a daily basis (roughly 15-30 minutes).

### Summative Assessment (demonstrating achievement)

1. Quizzes, tests, and projects will be graded using the rubric below. Scores of 4 and above meet or exceed standards. Scores below 4 should be revised or retaken.

- 6: Exceptional (100%).** Work demonstrates understanding beyond what is required.
- 5: Accomplished (95%).** Work demonstrates a high level of understanding and accuracy
- 4: Sufficient (85%).** Work satisfactorily demonstrates an understanding of key concepts.
- 3: Developing (75%).** Work shows partial understanding but needs revision.
- 2: Inadequate (65%).** Work demonstrates limited understanding.
- 1: Minimal (55%).** Work does not demonstrate understanding or not enough info. to assess.

2. Summative assessments are weighted higher than formative assessments. (Quizzes: 20%, Tests 40%, and Projects 30%).
3. Assessments may be retaken or sometimes revised to demonstrate increased learning. This usually can be done during workshop sessions if student is prepared.
4. Summative assessments can be revised up to scores of 4 in most cases.
5. Revisions and retakes need to be completed within a week or so of the assessment.

### **Resources:**

#### Workshop

1. During most 5-day weeks, one class session will follow a workshop model.
2. Students can make up missed work including assignments and assessments.
3. If students did not meet standards on an assessment, this is a time for revision and retakes.
4. This is also an opportunity for students to extend their learning and earn 5's and 6's.

#### Class blog

1. <http://www.rrms.wlwy.k12.or.us/Page/1943>
2. Assignments are updated on a daily basis. Cross reference with planner if needed.
3. Locate past assignments due to absences or missing work.

#### Family Link

1. All assignments are posted and updated at the least every two weeks.
2. Students and parents should check frequently to measure progress and for accuracy.

