



# SYLLABUS & EXPECTATIONS

Math: Gr. 6 - 8

Mrs. Moretine

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## CURRICULUM




### All Things Algebra

### Big Ideas Math

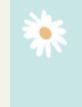
### IXL

#### Grade 6 – Foundations:




Students transition from arithmetic to algebra by learning about variables, order of operations, and properties of numbers. They begin solving one-step equations and inequalities, explore ratios and proportions, and use the coordinate plane to recognize patterns and relationships between quantities.

#### Grade 7 – Building Skills:



Students develop stronger algebraic reasoning by simplifying expressions, combining like terms, and solving multi-step equations and inequalities. They deepen their understanding of proportional relationships, connect slope to rate of change, and explore linear functions in tables, graphs, and equations. Algebra is applied to both geometry problems and real-world data situations.

#### Grade 8 – Algebra Readiness:



Students prepare for high school algebra by mastering exponents, scientific notation, and more complex equations. They analyze and graph linear equations in slope-intercept form, solve systems of equations, and compare linear and nonlinear functions using function notation. Geometry and algebra connect through the Pythagorean Theorem, square and cube roots, and transformations on the coordinate plane.

# EXPECTATIONS

1. Enter the classroom quietly
2. Take the most direct route to your seat
3. On your desk: pencil, pen, math workbook, homework
4. Wait quietly for prayer and bell ringer

## GRADING POLICY

### Your grade will be based on two categories

#### 20% Formative: Classwork and Homework

- Homework due at the beginning of class
- Half credit:
  - late work - must be turned in before the unit test
  - incomplete work
  - no work shown
  - little or no effort

#### 80% Summative: Quizzes, Activities, Tests

- There will be 3 - 4 quizzes per unit
- There will be a unit test with all lessons
- Activities turned in late will be deducted 5% daily. Due at the beginning of class

### Absent Work

- Students have the same number of days absent to make up work.
- If you are only absent on the day of the test or quiz, be prepared to take the test or quiz.

## TEST CORRECTIONS

Students who score below a 70% on a summative assessment may be allowed to correct the score up to a 70%. This does include the last test of the school year.

## CLASSROOM POLICIES

- Leaving the classroom requires permission, a lanyard, and signing out.
- Students may never work on other subjects.
- Chromebooks must stay closed until permission is requested and given.
- No music or games.
- Students must have a personal reading book at all times.
- Stay in your seat at all times until permission is requested and given.

## WHAT TO BRING

- Math Workbook
- Pencils - ALL work is done in pencil
- Color pens for notes and correcting work
- Black whiteboard markers