

Algebra

Mr. Brever's Room 231

In Algebra we will be studying mathematics from the Connected Mathematics Project (CMP) materials. The materials are structured into units that take 4-6 weeks to cover. Each unit is focused around problem situations that help students learn an important set of related mathematical ideas and to become skillful at using these ideas to solve problems. The curriculum is structured to help students learn to communicate their strategies and their reasoning so that their mathematical understandings are much deeper. This year we are excited to have our books online and accessible through ipads. Hard copies will also be available to students.

The books/units we will focus on this year are:

Moving Straight Ahead

Students will be able to represent a linear situation with a graph, table and an equation. Students will be able to identify linear and non-linear situations.

Thinking with Mathematical Models

Students will be able to explain how slope and y-intercept are represented in a table, graph, an equation and a written description of a linear situation.

Growing, Growing, Growing

Students will be able to represent an exponential situation with a graph, table and an equation.

Looking For Pythagoras

Students will discover the Pythagorean Theorem and use it to find the hypotenuse or the missing leg in a given right triangle. Students will be introduced to the concept of irrational numbers, square numbers and finding square roots of positive numbers. Students will also be introduced to the laws of exponents and be able to use them to solve algebraic problems.

The Shapes of Algebra

Students will be discovering the relationships between shapes and algebra.

Frogs, Fleas, and Painted Cubes

Students will be able to represent a parabolic relationship with a graph, table and an equation.

Say it with Symbols

Students will be able to solve and estimate the point of intersection between two linear situations.

Supplies needed:

1" 3 - ring notebook

Loose leaf paper

pencils

iPad

Calculator

At the end of the quarter, all course work must be completed to receive a grade. If a student is missing more than 3 assignments they will receive an incomplete for the quarter. If the missing work is turned in, within the two week time limit then the student will receive the grade earned prior to completing the late work. If the late work is not completed the student earns an F for the quarter.

Grades will be based on the following:

60% Tests and Quizzes

20% Homework

20% Warm-ups, Projects, Participation, and Classroom Activities

Grading Scale:

93-100% A

90-93% A-

87-89% B+

84-86% B

80-83% B-

77-79% C+

74-76% C

70-73% C-

67-69% D+

64-66% D

60-63% D-

0-59% F

CLASSROOM MANAGEMENT PLAN

The classroom management plan is to provide students in the classroom a safe and positive learning environment.

1. Be in your seat and prepared for class when the bell rings.
2. Students must be seated at the end of class - teacher dismisses the class not the bell.

3. Respect - keep hands and feet to yourself
- raise you hand to speak
 - keep room clean
 - be polite

IF A STUDENT CHOOSES TO BREAK A RULE

1st consequence **Warning

2nd consequence **Refocus

3rd consequence **Lunch Detention and possibly removed

4th consequence **Other Consequences such as parent meeting/meeting with principal

If a student is severely disruptive, he/she will be sent immediately to the principal.

TARDINESS

If a student comes into the classroom late without a pass the student will receive a tardy. Three unexcused tardies/quarter equals one day absent. After one detention has been issued for three unexcused absences, every tardy after will also equal one detention.

Return to Mr. Brever

I have read the syllabus and agree to abide by the information presented within the syllabus.

Student Signature _____ Date _____

Parent or Guardian Signature _____ Date _____