

Algebra 1

Course Description:

This course may be the most common entry level course for students who have had a rich and varied middle level mathematics program. It expands upon basic algebraic concepts previously acquired and integrates those principles with everyday life. The processes of problem solving, reasoning, communication and making connections are emphasized. Students will use formulas, functions, and equations to describe and clarify relationships, and will use geometry to represent algebraic relationships. Students will learn how to write and translate expressions into mathematical forms, solve first and second degree equations, and use the concept of a function to model real-world phenomena.

Expectations:

1. Be prompt, courteous, and prepared. Students are expected to attend class every day. Students are to be on time and ready for class to start when the bell rings.
2. School rules are meant to ensure a safe and pleasant learning environment. They will be followed.

Required Materials:

Calculators

- All students must have a graphing calculator. If you do not own one yet, I recommend the TI-83 Plus, TI-84, TI-84 Plus, or TI-89. I will be using the TI-83 in class. For more information on Texas Instruments, go to <http://education.ti.com/product/graph.html>. Note that the TI-89 cannot be used on the ACT.
- Graphing calculators are tools designed to aid in your understanding of mathematical concepts as well as to ease tedious calculations. *Playing games on calculators is prohibited during class time.*
- Also note: Your teacher reserves the right to delete any information deemed inappropriate from your calculator.

Writing Utensil:

- All daily assignments/quizzes/tests submitted must be in **PENCIL**.

Unit Checklist:

- You will receive all of your assignments on a checklist. We will work our way through the checklist day by day. You will have the freedom to CHOOSE some of the assignments you wish to complete.

Assessment:

Grading scale

A	90-100	C	79-70
B	80-89	D	60-69

Unit Checklist 30%

Mastery Checks 20% Expect 2-4 Quizzes each week

Tests 40%

Final Exam/Project 10%

*Advance notice will be given for chapter tests and cumulative exams, but not necessarily for quizzes

Other important information...

Academic Honesty

Any cheating that occurs will result in a zero. You will call your parent/guardian and the handbook guidelines will be followed.

Absences

It is your responsibility to find out what you missed before class starts. To receive credit, make-up work is due within one school week (5 school days) upon returning to school.

Extra help

Teachers are available for extra help during seminar and before school most days.