

Algebra 1 Part 1
Class Syllabus & Policies

Course Description:

This course will include the following topics:

1. Multi-step linear equations and inequalities
2. Verbal quantitative situations algebraically and evaluate these expressions for given replacement values of the variables
3. Matrix addition, subtraction, and scalar multiplication
4. Domain and range of relations, and identify the relations that are functions
5. Graph linear functions and linear inequalities in two variables
6. Slope of a line when given an equation of the line, the graph of the line, or two points on the line
7. Systems of two linear equations in two variables both algebraically and graphically
8. The laws of exponents to perform operations on expressions with integral exponents
9. Add, subtract, and multiply polynomials and divide polynomials
10. Factor completely first- and second-degree binomials and trinomials in one or two variables
11. The square root of a whole number in simplest radical form and approximate square roots to the nearest tenth
12. Solve quadratic equations in one variable both algebraically and graphically
13. Find the values of a function for elements in its domain and locate the zeros of the function both algebraically and with a graphing calculator
14. Given a set of data points, write an equation for a line of best fit and use the equation to make predictions.
15. Compare and contrast multiple one-variable data sets, using statistical techniques that include measures of central tendency, range, and box-and-whisker graphs.
16. Analyze a relation to determine whether a direct variation exists and represent it algebraically and graphically, if possible.

The use of technology, such as graphing calculators, will be used to explore many of these topics. Students who pass this course will earn one mathematics credit towards graduation. Students enrolled in this course will be required to take the Algebra I SOL test. Passing the SOL test and the course earns a verified credit.

Teacher: Kyle E. McGlotten
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(540) 439-6300
Room #301 (300 Trailers by the Athletic Wing)

Planning: Second Block (9:45 – 10:45AM)

Book: *Glencoe Algebra 1, 2005, by Holliday, et al., Glencoe/McGraw Hill*

Graded Evaluation:

Grades will be computed and disclosed to students by the teacher only at the end of marking periods. Grade sheets will be printed and sent home for parent signatures at that time. Students should maintain a list of their grades in their agendas so that they may compute their own grades at any other time.

Grading Policy:

Each 4 1/2 week grade will be computed as follows:

Tests	60 - 70%
Quizzes	25 - 30%
Independent Work	0 - 10%
Professionalism	Extra Credit
• Tutoring Utilization	
• Decorum	
• Peer Support	
• Notetaking	

The two nine-week grades will be computed as follows:

4 1/2 week grade	40 - 45%
4 1/2 week grade	40 - 45%
Exam	10 - 20%

The final grade will be computed by averaging the two individual nine-week grades.

Responsibilities:

• **Calculator Registration**

Each student must sign a "Statement of Use" form in order to use a Fauquier County owned calculator (usually a Texas Instruments 83, Casio 9850G Plus, or Casio FX1.0). Once this form is signed by the student a calculator shall be assigned to the student based on availability. Once the student receives the calculator they will sign the "Calculator Registration Logging Form" which lists the Calculator # / Serial # the student shall be using during this term.

Options:

• **Free Tutoring**

The Math Department provides free tutoring for students enrolled in this class. In order for a student to participate both the student and the student's guardian must sign the "Free Tutoring Consent Form."

Tutoring will be held every Tuesday and Thursday immediately after school from 2:45PM - 3:45PM

Supplies:

Each student must have the following items:

- Pencils
- Pens
- Three Ring Binder (Many of the lessons are presented using worksheets that the student will put in the binder).
- Loose Leaf Paper (for the Binder)

If there are any questions about your student's progress, please contact me as soon as possible. I will also contact parents as needed.

Sincerely,



Kyle E. McGlotten