



Math 1 Syllabus Fall 2016



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Course Description: This course follows the conceptual categories set by the North Carolina Department of Public Instruction. Students will learn and explore equations and inequalities, functions, linear equations, systems of linear equations, exponents, quadratics, geometry, and statistics. This course will be the foundation of all High School Mathematics Courses and is the first of four required for High School graduation. The delivery of this course stresses real-life applications and developing mathematical literacy and problem-solving strategies.

At the end of this course, you will be able to solve equations and inequalities using inverse operations, use functions in context, understand how and when to use linear functions, explain the advantages and disadvantages of solving systems of equations in different ways, tell what characterizes exponential growth and decay, use quadratic functions in context, relate geometry formulas and concepts to algebra, and use different methods to show and interpret data.

Supplementary Materials (Provided in Class): Core-Plus Mathematics Textbook,
Graphing Calculator

Other Materials Needed (Purchased by Student): 3-ring binder, spiral bound notebook, paper, pencil, 4 AAA batteries, headphones, expo marker(s)

Classroom Rules/Expectations:

1. Students are expected to be in class and ready to work when the tardy bell rings.
2. Students are expected to come to class prepared (notebook, pencil, homework, and laptop).
3. Students are expected to respect others and their property.
4. Students are expected to follow the school policies and rules (No Cell phones in class.).
5. All assignments need to be turned in at the beginning of class or points will be deducted.
6. Students are expected to follow the social contract agreed upon in class.

Group Work Rules/Expectations:

1. Every member of each group is responsible for all work.
2. If there is a disagreement, form a consensus, not a majority rule. Be constructive and respectful.
3. Be open to other members' ideas and encourage their participation. Make sure no one is left out.

Attendance:

You are responsible for obtaining missed assignments due to absences. *You must see me to discuss missed work as soon as possible to receive maximum credit.* When absent, it is the **student's responsibility** to request make-up work from the teacher. Tests and/or quizzes can be made up after school, which can be arranged based on the teacher and student's schedule. **Make-up work will only be given when there is an absence. All other work must be turned in on time. Points will be deducted for late work.**

Grading Policy:

| <u>Grading Percentages:</u> | |
|-----------------------------|------|
| Quizzes | 30 % |
| Tests | 50 % |
| Classwork/Homework | 20 % |

| <u>Final Grade Calculation:</u> | |
|---------------------------------|------|
| Quarter 1: | 40 % |
| Quarter 2: | 40% |
| Final Exam: | 20 % |

**Final Exam: Students will take the NC Math 1 EOC*

Course Schedule:

This course covers the given units in the following order. The times given are suggestions plus or minus days at the discretion of the teacher.

| | |
|--------------------------------|-------------------|
| 1- Equations and Inequalities | Semester: 19 days |
| 2- Functions | Semester: 6 days |
| 3- Linear Equations | Semester: 16 days |
| 4- Systems of Linear Equations | Semester: 10 days |
| 5- Exponents | Semester: 13 days |
| 6- Quadratics | Semester: 13 days |
| 7- Geometry | Semester: 4 days |
| 8- Statistics | Semester: 3 days |



After-school Tutoring:

I will be available for after-school tutoring on Wednesday afternoons 3:30 - 4:00. This is the best time to get one-on-one help if you are struggling in class.

Click and complete the [Parent information Form](#)

If you have any questions, please call or email at any time and I will try to get back to you as soon as possible. I look forward to challenging you this semester.

Karie Houch