



## Math 1 Syllabus

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.

### 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** ( in one variable ) Year Long: 37 days Semester: 19 days
- 2- **Functions** Year Long: 11 days Semester: 6 days
- 3- **Linear Equations** Year Long: 32 days Semester: 16 days
- 4- **Systems of Linear Equations** Year Long: 19 days Semester: 10 days
- 5- **Exponents** Year Long: 26 days Semester: 13 days
- 6- **Quadratics** Year Long: 24 days Semester: 13 days
- 7- **Geometry** Year Long: 7 days Semester: 4 days
- 8- **Statistics** Year Long: 5 days Semester: 3 days

### NEEDS AND RESOURCES

#### Required Materials

To successfully complete this course, you will need

- Notebook Paper
- Pencils
- 3 ring-binder or 3-subject spiral bound notebook with pockets

#### Online Resources

- [Mrs. Lanning's Weebly](#)
- [rss.schoolology.com](http://rss.schoolology.com)
- [Discovery Education](#)

### POLICIES AND PROCEDURES

#### Classroom Expectations:

- Students are expected to be in class and ready to work when the tardy bell rings.
- Students are expected to come to class prepared (notebook, pencil, book, and homework).
- Students are expected to respect others and their property.
- Students are expected to follow the school policies and rules.

All cellphones are expected to be off and stored in book bag and/or purse unless being used for a teacher-approved activity. All cellphones will be collected and stored during unit test days. Music may be listened to during independent non-testing/non-instructional times. Ask before you listen.

Drinks with a closed lid are allowed. Gum is allowed as long as you don't blow bubbles, smack, throw, or put under the desk. Food is allowed during special circumstances.

### **Group Work Rules/Expectations:**

Every member of each group is responsible for all work. If there is a disagreement, form a consensus, not a majority rule. Be constructive and respectful. Be open to other members' ideas and encourage their participation. Make sure no one is left out. Every member of each group is assigned a role that they are responsible for during the class period.

## **GRADING SCALE AND POLICIES**

**Grading Scale:** A: 90-100  
B: 80-89  
C: 70-79  
D: 60-69

**Grade Calculations for each Quarter:**  
Tests/Projects: 40%  
Quizzes: 30%  
Classwork/Homework: 30%

There will be at least 1 cumulative test per unit. Each unit test will include material from previous units throughout the course. Tests can be corrected to improve grade by adding half the points back from questions that were missed.

### **Final Grade Calculation:**

Semester 1: 40%  
Semester 2: 40%  
Final Exam: 20%

### **Make-Up & Late Work Policy**

- Students are expected to complete all make-up work in a time frame that is equivalent to 1 day more than days absent.
- All work is expected to be turned in on time. Any student who turns in a graded assignment early will receive 5 bonus points to the final score on the assignment.
- Any student who turns in a graded assignment late will have 10 points deducted from their score.

## **CONTACT INFORMATION**

- Ashley Lanning
- 704 – 857 – 1161 ext. 400123; (Before or after school; planning time: 12:30 – 2:00)
- [lanninap@rss.k12.nc.us](mailto:lanninap@rss.k12.nc.us) or [Ashley.Lanning@rss.k12.nc.us](mailto:Ashley.Lanning@rss.k12.nc.us)
- website: [www.ashleylanning.weebly.com](http://www.ashleylanning.weebly.com)
- Text # for Reminders: 81010                      Code for Math 1: @math1lann

## Parent & Student Acknowledgement Form

I have read Mrs. Lanning's syllabus for Math 1 and located Mrs. Lanning's Webpage. I understand the policies and procedures for this course.

Print Student Name: \_\_\_\_\_

Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Student Email: \_\_\_\_\_

Print Parent/Guardian Name: \_\_\_\_\_

Parent/Guardian Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Parent/Guardian Email: \_\_\_\_\_

Parent/Guardian Phone Number: \_\_\_\_\_

Questions/Comments: