

# Math 1 Acc ACP – 611

## Course Outline and Information

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### **Topics:**

Unit 1: Expressions and Equations

Unit 2: Linear Functions and Systems

Unit 3: Functions and Exponential  
Models

Unit 4: Geometric Constructions / Proof

Unit 5: Coordinate Geometry / Proof

Unit 6: Data and Statistics

### **Mathematical Practices:**

A good portion of what we do everyday will be focused on developing one or more of the following mathematical practices:

1. Make Sense of Problems and Persevere in Solving Them
2. Reason Abstractly and Quantitatively
3. Construct Viable Arguments and Critique the Reasoning of Others
4. Model with Mathematics
5. Use Appropriate Tools Strategically
6. Attend to Precision
7. Look for and make use of Structure
8. Look for and Express Regularity in Repeated Reasoning

### **Textbooks:**

This course will use a wide-variety of materials in class and an online textbook for part of the year. The online textbook can be accessed by visiting the Mathematics Department Page.

### **Materials:**

| <b>Bring to Class Everyday</b>  | <b>Other Materials</b>   |
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| <ul style="list-style-type: none"><li>• Multiple Pencils</li><li>• Loose-leaf paper</li><li>• Notebook</li><li>• Binder (1 in or more)</li><li>• TI-83/84 Graphing Calculator</li></ul> | <ul style="list-style-type: none"><li>• Folder to keep old assignments, tests, and quizzes</li><li>• Ruler</li><li>• Graph paper</li><li>• Compass (needed for Unit 4)</li></ul> |

### **Getting Extra Help:**

Extra help is available during J-blocks on Mondays and Wednesdays or during the school day by appointment. The Mathematics Center is also a GREAT resource for help during school hours – schedule is linked on the NSHS website.

### **Grading:**

Term grades will be calculated by dividing the total number of points earned by the total number of points possible. Homework, Quizzes, Tests, in class Activities, etc. may all count as part of a Term Grade. There will be a Midyear and a Final Exam covering their respective halves of the course.

### **Homework:**

Homework will be assigned regularly, and will be marked for completion on a scale of 0-2. The goal of the homework is to help learn the content. If a student has trouble completing a homework, then can get help and turn it in late for FULL CREDIT..