



# Welcome to A-E Geometry 1B Prep

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**Teacher Note:** Welcome to Geometry 1B Prep at Austin-East Magnet High School. I am excited to work with each of you and look forward to helping you in achieving your goals to graduate high school and become a successful young adult. This syllabus will provide you with the necessary information that you need to be successful in this course. Please review all information that is provided. Then sign and return the final page by the end of the week. If you have any questions regarding any of the information you have been given, please feel free to contact me at the above email address or phone number.

## **Course Description**

This course is a survey of the fundamental and advanced concepts of plane geometry and the related topics in three dimensional geometry, coordinate geometry and transformational geometry. The content begins with necessary introductory vocabulary and continues with algebraic and geometric proofs based on an axiomatic system. Applications of the theorems are utilized gain to help students grasp an understanding of how geometry is used in different careers.

## **Knox County Curriculum Standards**

Please refer to the Knox County mathematics Curriculum for Geometry 1A  
<http://knoxschools.org/Page/2928>

## **Tennessee State Curriculum Standards**

[http://www.tn.gov/assets/entities/education/attachments/std\\_math\\_geometry.pdf](http://www.tn.gov/assets/entities/education/attachments/std_math_geometry.pdf)

## **Instruction**

This **semester** long course is designed to prepare students for Geometry B. The suggested timeline should be adjusted according to individual student need.

Note the units in this curriculum are not weighted with equal time.

### **Tentative Pacing Guide**

<b>Lessons</b>	<b>Exam Dates</b>
<b>Unit 1: Equations and the coordinate Plane</b>	<b>8/24/16</b>
<b>Unit 2: Ratios and Proportions</b>	<b>9/9/16</b>
<b>Unit 3: Radicals and Exponents</b>	<b>9/16/16</b>
<b>Unit 4: Reviewing Geometry</b>	
<b>Modules 1</b>	<b>10/15/16</b>
<b>Modules 2</b>	<b>11/4/16</b>
<b>Modules 3</b>	<b>12/13/16</b>
<b>End of Course Exam</b>	<b>12/21/16</b>

### **Materials Needed**

- 3-ring binder (1 ½ -inch)
- Loose-leaf paper
- Pencils with erasers
- 12 inch ruler, compass, protractor
- Colored pencil
- Calculator

A Note: We will use calculators throughout this course. I will have a class set of calculators, however there are not enough to be checked out for use with homework. If you are going to purchase a calculator, I recommend the TI- 83 Plus or the TI-84 Plus Silver edition. If this is not possible. I highly recommend a scientific calculator. Scientific calculators can usually be purchased for under \$10.

### **Course Fee**

No course fee

### **Resources**

Textbooks: Tennessee Prentice Hall Geometry Foundations Series  
Tennessee Prentice Hall Algebra

Apps: Canvas, Nearpod, Notability,

Film Clips: Throughout this course, students may view film clips directly related to their study. All audio-visuals will comply with Knox County guidelines. Possibilities include clips from the following:

- \* United Streaming
- \*yourteacher.com
- \*Khan Academy
- \*Math Tv
- \* Interact Math
- \* That Quiz
- \* Center of Algebraic Thinking
- \* Math Is Fun

## **Technology**

Austin-East has selected to emphasize the school-wide use of interactive multimedia sources in order to enhance one-to-one technological instruction in the classroom and beyond. In an effort to support academia the mathematics department has opted to specifically use Nearpod and Canvas as all-in-one solutions for the synchronized use of iPads in the classroom that makes lectures more engaging through interactive multimedia presentations, activities, and assessments. With these sources, teachers can create mobile presentations, engage students in class, and assess them in real time. Throughout the entirety of this course, teachers will deliver their existing content through mobile (iOS or Android) devices and get instant feedback from students through interactive features like polls, quizzes, practice activities, and supplemental instruction.

**Aspen** – Aspen is the new gradebook program for Knox County Schools. It provides teacher, students and parents access to student grades.

**Canvas** – Canvas is a learning management system which will provide instructors with a way to create and deliver content, monitor student participation, and assess student performance. Using this system I will be able to post all lectures, notes, and assignments online for unlimited access.

**Nearpod** – Nearpod is an application that will allow teachers and students to use the iPad for connectivity during classes. Teachers are able to assess student understanding and email presentations to students for their review even after the class session is completed.

## **Internet Usage:**

All students will be allowed to use the computers / iPads for class-related materials material unless a parent provides a written request stating that they do not want their child to do so.

## **Alternate Assignments/Activities**

If you do not approve of a specific resource listed in this syllabus, please make your request to me in writing and an alternative assignment and/or materials will be provided. The request should include your name, the student's name, the specific activity/materials in which you do not want your child to participate or to which you do not want them exposed, and the nature of your objection.

## **Assessment**

### **Skills Assessment**

Because of the variety of skills covered in this course; a variety of techniques will be used to assess them. A mix of both formative assessments (such as quizzes and other checks for understanding) and summative assessments (such as tests and projects) will be utilized.

### **Grading Policy**

Grades are calculated using total points. Rubrics will be used for projects and group assignments. These will be provided to the student when the assignment is given. The following grading scale will be used for this class:

<b>Knox County Grading Scale</b>	
Grade	Percentage
A	93 – 100
B	85-92
C	75-84
D	70-74
F	Below 69

	<b>Percentage</b>
Final Exam	25%
Homework/daily work/Practice	15%
Formative Assessments (quizzes , learning checks),	20%
Summative Assessment (mastery)	30/40% if no projects included
Projects not required	10%
<b>Total</b>	<b>100%</b>

### **Make-up Policy**

Make-up work should be obtained and completed within three school days of the absence. In the event of a long-term absence, we will work together to negotiate a reasonable due date for assignments that were missed. If you are absent the day before a test, you must be prepared to take it upon your return. If you are absent the preceding 2 or more days before a test is scheduled, then you will have one week to make up that exam. Any project assigned is due on or before the due date. Failure to make up homework, a test, or a project will result in a failing grade for that assignment. It is **your responsibility** to make appropriate arrangements for making up missed assignments, by either asking a classmate or meeting with me.

### **Late Work Policy**

The first late assignment will be forgiven. Additional late assignments will result in a percentage-based reduction. Until an assignment is made up, an Incomplete will be entered into the grade book. AEHS Policy states work MAY NOT be made up after the close of the grading period in which it was assigned.

### **Portal Post Policy**

The best way to communicate with me concerning grades is through Parent Portal. In order to give timely feedback, I will update grades at least once per week.

## **Student Expectations**

### **Attendance**

All absences and tardiness will be documented and reported to the administration according to the policies outlined in the student handbook. I expect students to make attendance a priority. If you are not present, you miss out on valuable learning opportunities and end up playing “catch-up.” The simplest solution is to **attend class and be on time.**

*\*On time is considered to be in the proper seat and quietly completing the assigned bell ringer. Any student that does not comply will be marked tardy.*

### **Class Expectations**

- Be Ready
- Be Respectful
- Be Responsible
- Be Safe

### **Class Rules**

- Bring all needed materials to class (textbook, notebook, pencil).
- Be **in your seat** and ready to begin **when the bell rings.**
- Immediately begin working on the warm up assignment.
- Food is not allowed in the classroom.
- Drinks are not allowed in the classroom.
- Clean up after yourself. Put classroom materials back where they belong, throw away your trash, and take all of your belongings with you when you leave.
- Remain in your seats at the end of class until dismissed by the teacher.
- Keep all cell phones and music players off and out of sight.
- Keep hands, feet, objects, and unkind words to yourself.
- Respect and be polite to all people.
- Speak at appropriate times, using appropriate voice and language.
- Respect other people’s property.
- Follow all school rules.

### **Cellular Phones and Electronic Devices (except iPads)**

Students are permitted to use cellular telephones and electronic devices during non-instructional times between classes and at lunch. For this reason, a strict "**OUT OF SIGHT, OUT OF HEARING**" policy has been created to protect the sanctity of your educational opportunity. First offense is a warning. Any follow offense results in receiving a referral.

### **Academic Integrity**

Cheating is an unacceptable behavior at AEHS. School policy requires that cheating will result in a failing grade for the assignment. If a student is caught a second time or cheating occurred on an exam, the student will receive a failing grade as well as an academic referral.

### **Bathroom Policy:**

The bathroom should be used during class change. There is no reason that a student should not be able to use the bathroom between classes. However, emergencies do occur. Students are not permitted to leave class during the First 15 and Last 15 minutes of class.

### **Teacher Expectations**

#### **Communication Strategy**

The best way to reach me is by email at [tawanda.tucker@knoxschools.org](mailto:tawanda.tucker@knoxschools.org). I check my email several times a day and will respond within 24 hours. You may also call Austin East High School at 865-594-3792 and leave a message.

The best time to speak to me directly is during my plan 4<sup>th</sup> block, from 2:15-3:45.

#### **Intervention Strategy**

I am available for tutoring and additional practice by appointment. Please see me or email me in advance to schedule a day and time to meet during power hour or after school.

It is important that all parents/guardians read the syllabus and review it with their child. Please include your contact information and the best time to call below. Please do not provide the student cell phone number, but instead a number for a parent/guardian.

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

Parent/Guardian \_\_\_\_\_

Address \_\_\_\_\_  
\_\_\_\_\_

Email \_\_\_\_\_

Cell Phone \_\_\_\_\_ Home Phone \_\_\_\_\_

Parent Signature \_\_\_\_\_

Student Signature \_\_\_\_\_

Thank you in advance for your participation in class and your assistance during your child's academic endeavor.

Date Returned: \_\_\_\_\_