

Instructor: Ms. Stephanie Hayes  
Email: stephanie.hayes@knoxschools.org  
School Phone: 865- 594-3792  
Room: PA202



# Geometry

Austin-East Magnet High School  
 Fall 2016

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 course 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." Successful completion of this course prepares a student for further work in Algebra II. Links to Knox County and State of Tennessee Curriculum standards may be found at: <http://knoxschools.org/Page/5818>

Skills Covered: Throughout this course, students will explore the properties of various geometric figures such as lines, segments, angles, polygons, and circles. These properties will be used to solve problems, applied to real-world problems, and used in the logical arguments of proofs. Students will also use these properties in the construction of geometric figures and concepts.

Alternate Assignments/Activities: If you do not approve of a specific resource listed in the syllabus or Canvas, please make your request to me in writing/email and an alternative assignment will be provided for equal credit. The request should include your name, the child’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 per Knox County Policy.

Required Class Materials: These are the things you will need in class on a daily basis.

- Spiral Notebook
- Notebook paper
- Pencils with erasers
- Highlighters
- 12 inch Ruler
- Colored Pencils
- TI-83/84 Plus (recommended, but not required)

Category	Percentage
EOC	25%

Course Fee: Austin-East Magnet High School has a \$10 math fee.

Skills Assessment: Because of the variety of skills covered in this variety of techniques will be used to assess them. A mix of both assessments (such as quizzes and other checks for understanding) and assessments (such as unit exams and other written products) will be utilized to determine your student’s understanding of the content being taught.

Module Tests	30%
Quizzes	20%
Coursework	25%
Total	100%

course, a formative summative

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

Coursework and Grading: A student’s grade is determined by the coursework done in the classroom and the EOC given at the end of the course. Student feedback will be provided on a daily basis. The Knox County Grading Scale will be used for this class. Be sure to check grades regularly in Aspen.

Tardy Policy: Students are expected to be in class, ready to begin on time. Austin-East’s tardy policy states that three tardies will result in a disciplinary referral and phone call home.

Attendance: Students are expected to attend class regularly. Mathematics cannot be learned through independent study. If you are not present, you miss out on valuable learning opportunities and end up playing "catch-up". It is very difficult to stay afloat once you have fallen behind. If a student is going to be out for an extended period of time, please let me know in advance so that I may get work together for them.

Makeup/Missing Work: When a student misses class for ANY REASON, make-up work will need to be done. All makeup work is due within one week of the absence. If not turned in by the end of the grading period, it will be a zero.

Intervention Strategy: I am available for tutoring every day. Please see me or email me in advance if you would like to schedule a time for tutoring or extra help.

Cell Phones And Electronic Devices: Students are permitted to use cell phones and electronic devices during non-instructional times between classes and at lunch. For this reason, a strict "OUT OF SIGHT, OUT OF HEARING" policy will be followed. iPad’s and Chromebooks are for instructional use in the classroom, and we will use a cell phone “parking lot” to limit distractions.

Cheating and Plagiarism: Cheating and plagiarism is unacceptable behavior at AEMHS. Students found guilty of cheating or plagiarism will be given a zero for the assignment and/or be referred to the office for violating student conduct.

Communication with Parents and Students:

- Aspen: This is our electronic grade book. In order to give timely feedback, I will update grades at least once per week. I encourage you to access this regularly.

- Email: The best way to reach me is by email, stephanie.hayes@knoxschools.org . I check it several times a day and will respond within 24 hours of receipt.
- Phone: You may also call the school phone 865-594-3792 and leave a message for me.

Class Expectations

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

Course Outline for Fall 2016	
Module 1: Preparing for Geometry (12 days)	Module 6: Trigonometry (11 days)
Module 2: Understanding Transformations (8 days)	Module 7: Circles (10 days)
Module 3: Triangles and Triangle Congruence (12 days)	Module 8: Extending to Three Dimensions (7 days)
Module 4: Similarity (10 days)	Review and Testing (8 days)
Module 5: Quadrilaterals (10 days)	

\*\* All pacing is tentative and subject to change based on classroom pacing and snow days.

## Geometry Fall 2016

Student Name: \_\_\_\_\_ Grade Level: \_\_\_\_\_

Primary Contact Information	
Guardian Name:	Relationship:
Home Phone:	Cell Phone:
Email:	Is it okay to text you?
Additional Contact Information	
Name #1:	Relationship:
Home Phone:	Cell Phone:
Name #2:	Relationship:
Home Phone:	Cell Phone:

Please complete your schedule below:

Period	Class	Teacher
1		

2		
3		
4		
Sports, Clubs, and Organizations		
Group:		Coach/Sponsor:

Is there anything that you would like me to know about your student?

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\_\_\_\_\_ By signing this, I am acknowledging that I have read the syllabus for Ms. Hayes' Geometry class. I understand that if I have any questions or concerns, I may contact her one of the ways mentioned in the syllabus.

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Parent/Guardian Signature

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Date