

Honors Geometry Syllabus

Teacher: Amanda Bartel, Central High School, Room 23

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Planning: 6th period

Course Description: Geometry uses problem situations, physical models, and appropriate technology to investigate and justify geometric concepts and relationships. Problem-solving situations provide all students an environment that promotes communication, engages student reasoning, and fosters connections within mathematics, to other disciplines, and to the real world. Students will use physical models to represent, explore, develop, and apply abstract concepts. The use of appropriate technology will help students develop mathematics needed in an increasingly technological world. The concepts and topics emphasized in the course include measurement, geometric patterns, coordinate geometry, two- and three-dimensional figures, transformational geometry, congruence, similarity, inductive and deductive reasoning, logic, and proof. The course standards can be found on the Tennessee Department of Education website at http://www.tn.gov/assets/entities/education/attachments/std_math_geometry.pdf

Textbook: Houghton Mifflin Harcourt Geometry 2015.

Materials:

- Paper
- Pencil
- 3 - ring binder
- Protractor, Compass, Ruler
- Calculator - some are available for use during class time

Grading:

- All assignments are due at the beginning of the period on its due date.
 - If you are absent the day an assignment is due OR a test/quiz is given on a day that you are absent, that work will be due the day you return to class.
- All grades will be posted online on Edupoint to be accessed using ParentVue and StudentVue.
- The following is the McMinn County numerical and letter grade scale:

Grade	Point Range
A	93-100
B	85-92
C	75-84
D	70-74
F	0-69

Grading Schedule

First Nine Weeks: 8/8/17 to 10/6/17

Second Nine Weeks: 10/16/17 to 12/20/17

Third Nine Weeks: 1/4/18 to 3/9/18

Fourth Nine Weeks: 3/12/18 to 5/23/18

Mid Term Report

9/7/17

11/15/17

2/6/18

4/20/18

Grade Card Day

10/20/17

1/9/18

3/16/18

5/23/18

Parent Conference Days are 10/26/17 and 1/8/18.

Testing: Geometry is a tested subject. We will be conducting an End-of-Course Assessment containing calculator and non-calculator problems; these problems will be presented in various formats including but not limited to: multiple choice, multiple selection, short answer, fill-in-the-blank, and graphing. The EOC will be administered in April 2018. More details will be communicated as they become available.

Behavior Expectations: Students are expected to follow our posted guidelines each day of class. No one is exempt, not even the teacher. Each student will be given the opportunity to comply with Mrs. Bartel's classroom expectations, then consequences will ensue.

Top 5 Expectations:

1. *Be on-time, on-task, and prepared to learn.*
2. *Keep all personal electronics put away.*
3. *Be responsible for your own learning.*
4. *Respect the teacher, the classroom, and each student.*
5. *Follow all policies and procedures in the student handbook.*

Course Pacing:

First Nine Weeks:

- Lines & Angles
- Transformations
- Reasoning & Proof
- Parallel & Perpendicular Lines
- Congruence in Triangles

Second Nine Weeks:

- Properties of Triangles
- Properties of Quadrilaterals
- Parallelograms
- Coordinate Proof
- Similarity & Proportional Relationships

Third Nine Weeks:

- Right Triangle Relationships
- Trigonometry
- Law of Sines & Cosines
- Circles
- Volume & Surface Area
- 2-D and 3-D Analysis of Geometric Shapes

Fourth Nine Weeks

- Scale Factor
- Modeling & Problem Solving
- Comprehensive Review
- TNReady End-of-Course Exam

Monday- Thursday:

1st Period, 8:20-9:10

2nd Period, 9:15-10:05

3rd Period, 10:10-11:00

1st Lunch-11:00-11:30/ 4th Period, 11:35-12:30

2nd Lunch-11:30-12:00/ 4th Period, 11:05-11:30 & 12:00-12:30

3rd Lunch-12:00-12:30/ 4th Period, 11:05-12:00

5th Period, 12:35-1:25

6th Period, 1:30-2:20

7th Period, 2:25-3:15

Friday (Club Day):

1st Period, 8:20-9:05

2nd Period, 9:10-9:55

Homeroom, 10:00-10:30

3rd Period, 10:35-11:20

1st Lunch-11:20-11:50/ 4th Period, 11:55-12:50

2nd Lunch-11:50-12:20/ 4th Period, 11:25-11:50 & 12:20-12:50

3rd Lunch-12:20-12:50/ 4th Period, 11:25-12:20

5th Period, 12:55-1:40

6th Period, 1:45-2:30

7th Period, 2:35-3:15