

Honors Geometry
Teacher: Rebekah Boyd
rboyd@jocoed.net
727-2620 (available from 11:35 – 1:00))

I am available from 7:30 to 8:00 am every morning. I am also available after school most days and am glad to work with students at that time.

Another method to contact me is via email. Your notes will be loaded into classroom each day. If you email me, I will respond within 24 hours; weekends and holidays may take longer.

Objectives:

These objectives will be covered the 1st 9-weeks:

1. Experiment with transformations in the plane
2. Explain volume formulas and use them to solve problems
3. Understand congruence in terms of rigid motion
4. Prove geometric theorems
5. Make geometric constructions
6. Use coordinates to prove simple geometric theorems algebraically
7. Understand similarity in terms of similarity transformations
8. Prove the theorems involving similarity

These objectives will be covered the 2nd 9-weeks:

9. Define trigonometric ratios and solve problems involving right triangles
10. Understand and apply theorems about circles
11. Find arc lengths and areas of sectors of circles
12. Translate between the geometric description and the equation for a conic section
13. Visualize relationships between two-dimensional and three-dimensional objectives
14. Apply geometric concepts in modeling situations

More specific standards can be found online at:

https://www.tn.gov/content/dam/tn/education/standards/math/stds_math.pdf

Class Rules:

1. **Be on time** and prepared for class. Have textbook, homework, paper, pencils, pen, etc.
2. Be respectful to others. Speak politely and treat each other kindly. Raise your hand.
3. Use appropriate language at all times.
4. Follow all directions the first time.
5. Follow all rules and procedures of JCHS as laid out in the JCHS handbook.

Rewards:

Praise (daily)

Consequences:

First time: warning with infraction notice

Second time: Action Plan and parental contact

Third time: Disciplinary referral for 1 block ISS

Fourth time: Referral to office

Class Expectations:

1. Try your best at all times.
2. Be quick to listen, slow to speak.
3. Do everything joyously and without complaint. (NO WHINING)
4. Let our words be a benefit to others and on topic.

Class Materials

1. **Paper, pencils, highlighter, textbooks, homework, and notes** are daily requirements.
2. **Ruler, Colored pencils, graph paper, compass and protractor** are needed for class and to complete homework assignments.
3. We have a classroom set of the **TI-84 Plus CX Handhelds**. You are not required to purchase one, but you will find that it will assist you in this class and on your homework.
4. **Notebook** (3-ring binder) for daily notes, worksheets, tests, etc.

Tests:

Plan and prepare to take the tests with your class on the dates scheduled. Make ups are given either before-school or after-school. The test needs to be taken within a week of the date, **if you wait any longer than 2 weeks, you generally will not score well on the test.**

You may retake **one** test per 9-weeks before or after school. You must correct the test first and then schedule an appointment with me and needs to be completed within 2 weeks of date that the test is returned.

Makeup Work:

Students will see the instructor on their first day back to pick up their missed assignments and collect their handouts. All makeup work including tests will be completed and turned in as soon as possible and is due 3 school days by the end of each 9-weeks.

Deadlines:

You are responsible for making sure that all assignments are turned in on time. No late homework will be taken unless you are absent that day. If you don't have it the class period it is due, then it will be a zero. **LATE PROJECTS** will be accepted at a loss of 5 points per day, except under extenuating circumstances.

Textbook:

An online version of the textbook is available at <https://www.pearsonrealize.com/>
Students will receive a username and password shortly.

Grades

1. Countywide Grading Scale
A: 93 – 100 B: 85 – 92 C: 75 – 84 D: 70 – 74 F: 0 – 69
- 2 Grades are composed of **tests/project** (40 %), **quizzes grade** (30 %), and **homework/classwork** (30 %).
Since this is an advanced class, 3 points will be added (per Johnson County Board of Education) to the final grade at the end of the semester.

***You will take the Geometry EOC in December. The score will count as 25 % of the final semester grade.** Your grade will be calculated in the following way:

$$\text{Final Grade} = 0.75 * (\text{Average of 9-weeks grade}) + 0.25 * (\text{EOC score}) + 3 \text{ points}$$

A homework grade will be taken randomly at least once a week. I am looking to see how many problems the student completed of the assignment. If I assigned 10 problems and they only completed 8, I will record 8/10.

3. A student must have a final grade of at least a B to move onto Honors Algebra 2 next year.

Cell Phone Policy: Will be turned off and placed into the cell phone holder at the side of the classroom. Failure to follow this rule will result in the confiscation of the cell phone...

1st offense – warning,

2nd offense and after – confiscation of the cell phone for the duration of class

I have read and understand Mrs. Boyd's expectations for Honors Geometry.

Student – Printed _____

Student – Signed _____ Date _____

I understand that my student must have a final grade of at least a B in Honors Geometry to move onto Honors Algebra 2 next year.

Parent/Guardian _____ Date _____

Parent/Guardian Phone Number: _____

Parent/Guardian email address: _____