

Geometry
Course Syllabus 2017-18
Mrs. Lydia Meadows

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Welcome to Geometry! I am excited about the opportunity to get to know you, and I am looking forward to a happy and productive school year. Together, we are going to explore the congruence and similarity of polygons, investigate the world of circles and learn how statistics influence our world. As a team we will work toward your success in this course. I hope you will bring your best attitude and work ethic as we embark on this journey!

Course Description:

The focus of Geometry on the coordinate plane is organized into 4 critical areas: congruency and similarity, circles, equations & measurement, and statistics & probability. Transformations on the coordinate plane provide opportunities for the formal study of congruence and similarity. The study of similarity leads to an understanding of right triangle trigonometry and connects to quadratics through Pythagorean relationships. The study of circles uses similarity and congruence to develop basic theorems relating circles and lines. Circles return with their quadratic algebraic representations on the coordinate plane. The link between probability and data is explored through conditional probability. The Mathematical Practice Standards apply throughout the course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Textbook/Calculator Information

There is one book assigned in this course entitled *Geometry* published by Glencoe Publishing Company. Each student will be issued a hardback copy and is expected to bring it to class daily. Should you lose your book, replacement cost for textbook, *Geometry* is \$100.00. We have a classroom set of Texas Instruments scientific calculators. (**version: TI 30XS**) If a student borrows a scientific calculator to use overnight and it is lost **OR** damaged, the replacement cost is \$20.00.

REMIND 101 Information:

Text: @fa073a to 81010

-This will be used to “remind” you of assignments, weekly tutoring times and assessments (test or quiz), or update you on events going on in the classroom.

Classroom Guidelines

1. Cell phones should not be out unless teacher directs you to so.
2. Class begins when the bell rings. Be ready: materials & pencil out.
3. Bring all needed materials to class.
4. Try to do one random act of kindness a day.

ABOVE ALL, PLEASE BE RESPECTFUL, RESPONSIBLE, AND SAFE.

Grading

Cumulative Averages (1st and 2nd Semesters)

- 60% summative assessments, such as tasks, tests, and quizzes
 - 40% formative assessments, such as homework and daily work
- *First Semester Final Average = Cumulative Average

Unit 1 Geometric Structure

- 1** Tools of Geometry
- 2** Reasoning and Proof
- 3** Parallel and Perpendicular Lines

Unit 2 Congruence

- 4** Congruent Triangles
- 5** Relationships in Triangles
- 6** Quadrilaterals

Unit 3 Similarity

- 7** Proportions and Similarity
- 8** Right Triangles and Trigonometry
- 9** Transformations and Symmetry

Unit 4 Measurement

- 10** Circles
- 11** Areas of Polygons and Circles
- 12** Extending Surface Area and Volume
- 13** Probability and Measurement

2nd Semester Average

~ 80% Cumulative Average
~ 20% EOC Test

Grading Continued

Practice/Homework

Mathematics is learned by practice; therefore, you are expected to do your homework when assigned. ***Practice problems will be assigned almost daily. You are expected to check your own practice problems as we review them in class and ask questions.*** Failure to complete homework will result in a zero for every missed assignment. All missed assignments must be made up for a maximum replacement grade of 70 by the completion of the unit/chapter. Grading of homework will be based sometimes on completion and sometimes on accuracy. As a result, it is important for you to do your best work on every assignment ***Always*** show your work. This helps me see how you are processing the problem. If asked to, be able to explain your reasoning, verbally or written.

Tutoring

Weekly tutoring times will be posted in class and through REMIND text messaging. There is also school provided tutoring. It is imperative that you let me know immediately if you are having difficulty. I want to help you get the best grade possible. Additional resources will be available on my teacher webpage through the Pickens County High School website.

Make-Up Work When Absent

It is your responsibility to find out if assignments were made during your absence BUT not during instruction. A student who is absent will be given 3 school days for each day he/she is absent to makeup his/her work. Failure to satisfactorily complete makeup assignments within ten (10) school days of an excused absence will result in the student not receiving any credit for the make-up assignment(s). Many of the class activities will be difficult to fully replicate individually, so please plan to be in school when possible.

Classroom Materials

1. A 1.5" or 2" loose-leaf three-ring binder (You will want a large binder so you can keep up with everything we do throughout the year.)
2. PENCILS PLEASE!
3. Wide or college rule lined paper for three-ring binder

****You may also find these items useful depending on your organization: simple dividers, highlighter, colored pencils, personal scientific calculator**

Class Expectations

- Working together is acceptable and even encouraged **when appropriate**. However, you are responsible for thinking on your own.
- Water and simple snacks are allowed as long as it isn't a distraction to instruction or work.
- Makeup and hair are taken care of before or after class.
- Show your work. Problems that require explanation and/or many steps will require you to show your work to receive full credit. **REMEMBER:** This helps me understand how you process the problem.
- Cell phones or electronic devices **should not** be out without teacher permission. Devices will be taken up to prevent further distractions.
- You should go to the restroom during break, unless a doctor's note is provided.
- You are a responsible young adult and you should treat yourself and others with respect.

Consequences (Unless offense deems otherwise)

1st offense-Verbal Warning

2nd offense-Teacher/Student Conference

3rd offense- Parent Contact/Break Detention

4th offense- Administrative Referral

Student and Parent Acknowledgement

GEOMETRY

Students and Parents,

I am excited to have you in my math class! I look forward to working with you in making this a successful and rewarding year. The most successful students are those who develop good habits – such as preparing for class, promptly completing assignments, working cooperatively with others and seeking help when needed. Feel free to contact me anytime you have a concern. Together we will make great things happen! Please sign that you have read and understand the requirements and expectations for this course and classroom for the 2017-2018 school year.

Sincerely,

Mrs. Lydia Meadows

Student Name (Please Print)

Parent/Guardian Name (Please Print)

Student Signature

Parent/Guardian Signature

Date

Date

Preferred Contact Information (please print neatly):

Phone (home, cell, other): _____
(Name and Number)

Email: _____