

Cross Creek High School Mathematics Department Geometry Syllabus



2019 - 2020

Teacher: **Ms. G. Williams** Email address: WilliGl1@boe.richmond.k12.ga.us School Phone: 706-772-8140 Google Voice Text Message: (706) 447-9109

Helpful websites: <u>www.khanacademy.org</u> <u>www.purplemath.com</u> <u>www.mathisfun.com</u>

Expectations:

I expect students to be prepared, organized, responsible, courteous, cooperative, respectful and trustworthy. But most of all, I expect their **BEST** efforts! Upon entering the classroom, students are to be seated, take out materials and being their "WARM-UP" assignment. No food/drink are allowed in the classroom. If technology is required for instruction, students will be informed. Cell phones are to be checked in at the beginning of class and secured in the phone pocket holder located at the front of the classroom. Phones will be picked up upon leaving class. No phones should be charging during class.

Stay engaged! Don't get side-tracked!

Course Description: A summary about this Geometry course.

This course is designed to provide the student with a solid foundation in the geometric concepts required in advanced level math classes. A combination of formal and informal approaches will be used as well as inductive and deductive reasoning. Mathematical concepts and skills will be explored in the context of authentic problems. Students will develop conceptual knowledge and learn to think critically. The solving of problems using algebra will be emphasized. Calculator and computer usage will be required.

Course Outline: The Geometry curriculum is divided into several different units.

Units of Study	Time Length (approximate)
Unit 1: Transformations in the Coordinate Plane	2 – 3 Weeks
Unit 2: Similarity, Congruence, and Proofs	9 – 10 Weeks
Unit 3: Right Triangle Trigonometry	3 – 4 Weeks
Unit 4: Circles and Volume	6 – 7 Weeks
Unit 5: Geometric and Algebraic Connections	4 – 5 Weeks
Unit 6: Applications of Probability	4 – 5 Weeks
GA Milestones Review and GA Milestones	3 Weeks
Final Exam Prep	2 Weeks

Required Course Materials: Every student is expected to have these items.

Pencils 2" Three-ring binder **Scientific Calculator

Package of Dividers (5 minimum) Notebook Paper

Parental Involvement: Ways you can help your child be successful in Geometry.

- 1. Periodically check your child's notebook for completed assignments.
- 2. Encourage development of good study skills, especially organization of time and materials.
- 3. Failing grades on quizzes can be an indicator of probable future test grades, unless there is an intervention **attempted by the student** (i.e. computer lab, tutoring). Ask your child if he/she needs extra help:

 Tutoring/Computer Lab is available Monday, Tuesday, & Wednesday after school till 3:15 &

- 4. Schedule conferences through Guidance at (706) 772-8140.
- 5. Remember: Math needs daily practice, just like sports and music.

Grading Policy: The following is a summary of the grading percentages for Geometry.

Type of Assignment	Grade Percentage
Participation:	10%
Participation points will be awarded on a weekly basis based on classroom performance, participation in group discussions & activities.	
• Class Assignments / Homework / Online Assignments:	25%
Most tasks are completed in class. Practice work is given with the purpose of reinforcing what was covered during class. It is imperative that you complete ALL practice work. USA Test Prep and HRW (textbook) assignments will be given to assist students learning.	
• Interactive Notebooks:	15%
Interactive Notebooks are valuable tools. All assignments, quizzes, notes, foldables, reference sheets & evaluations are organized in a notebook for the student's immediate use.	
• Culminating Tasks:	10%
Students will complete a culminating task or a project in class for each unit.	1070
 Quizzes & Unit Tests Tests will be scheduled, and there will be quizzes given for each unit so students can determine whether they are adequately 	40%
progressing. Failing grades on quizzes can be an indicator of probable future	
test grades, unless there is an intervention <u>attempted by the student</u> (i.e.	
computer lab, tutoring)	200/ 6.1
End of Course (EOC) Test	20% of the
	student's overall
	Math average
EXAMPLE: How to calculate my final grade: If your math average is 85 (average of all 4 nine week's grades) and EOC score is 75. The student's FINAL grade is 85, then $(85 * .80) + (75 * .20) = (68) + (15) = 83$	

Grading Scale: This course will utilize the following grading scale.

$$A = 100 - 90$$
, $B = 89 - 80$, $C = 79 - 75$, $D = 74 - 70$, $F = 69 - 0$

***Parent conferences are required for all students earning D's and F's at the end of the third nine-week grading period. Please contact Guidance at (706) 772-8140 to set up a conference.

Make-up Work:

- 1. Excused Absences: Students must make up work in a timely fashion (school policy).
- 2. Unexcused Absences: Make up work will be considered on a case-by-case basis.
- 3. Missed Tests: Tests assigned before your absence and given on the day of your absence must be made up on the day you return. If you are present when a test is assigned and you miss the day we review, you will be required to still take the test on the scheduled day.
- 4. I strongly advise you not miss class. However, if you must be absent, it is your responsibility to make up any work/notes you may have missed.



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Student's Name (Please print):	
Mathematics Teacher: Ms. G. Williams	
I have read and understand the provided syllabus and have divided by $\emph{January 17, 2020}$ to receive a grade of $\emph{100}$ for the as	• • • • • • • • • • • • • • • • • • • •
Failure to return this sheet will result in a zero (0) for this as each day the student is late submitting this sheet after $Janua$	
Student Signature:	Date:
Parent/Guardian Name:	(Please print)
Parent Signature:	Date:
Daytime Parent Phone Number:	
Alternative Parent Phone Number(s):	
Home Phone Number:	
Best Time To Be Contacted:	
Parents Email Address:	
My definitive goal is to create and foster a collaborative class learning. I would like to extend an opportunity for parents to course in the space below. Thank you!	<u>*</u>