



"Learning Today... Leading Tomorrow"

Cross Creek High School Mathematics Department Geometry Syllabus 2019–20

Instructor: **Mr. Tracy**
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Remind: Text code - **@mrtg313 to 81010**

Please note: I am unavailable from 8:35 to 9:45 Wednesdays through Fridays for planning and professional training.

Helpful websites: www.khanacademy.org www.purplemath.com www.mathisfun.com

Course Description:

The purpose of this course is to provide students with a solid foundation in 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:

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:

Pencils – Pencils – Pencils
Package of Dividers (5 minimum)

1" Three-ring binder
Notebook Paper

Scientific Calculator
Notecards

Expectations:

The overarching expectation in this class is **RESPECT**: respect for yourself, respect for other students, respect for your teacher/or individual in authority, respect for the rules, and respect for guests that may enter our class. Although this encompasses all expectations, we will outline several for the sake of clarity.



1. Be a **S.T.A.R.** (Student Taking Academic Responsibility).
YOU are responsible for your education!
YOU determine your success or failure!
2. Elevated Expectations – **ALL DAY, EVERY DAY!**
3. **NO:** Technology, Food/Drink, Profanity, Throwing, Defacing Property
4. Remain **SEATED** and **PREPARED** always.
5. Bring **ALL** materials to class DAILY (see required course materials) – no going to get them.
6. **Every student is responsible** for helping to maintain a clean, safe learning environment.
Your area must always remain CLEAN, clear of trash, paper, and personal items.
7. Adhere to all policies and regulations outlined in the student handbook.



Parental Involvement:

1. Periodically check your child's notebook for completed assignments.
2. Encourage development of good study skills, especially organization of time and materials.
3. Ask your child if he/she needs extra help. Tutoring is available Monday, Tuesday, & Wednesday after school until 3:15 pm by the various educators in the mathematics department.
4. Need to have a Conference? Schedule those through Guidance at (706) 772-8140.
5. **Remember: Math needs daily practice, just like sports and music.**

Grading Policy:

Type of Assignment	Grade Percentage
<ul style="list-style-type: none">• Tests• Quizzes / Notebooks• Online Assignments / Culminating Tasks• Classwork / Practice Work / Participation	40 % 25 % 20 % 15 %
End of Course (EOC) Exam	20% of the student's overall math average

Grading Scale: **A** = 100–90, **B** = 89–80, **C** = 79–75, **D** = 74–70, **F** = 69–0

If a student earns a quarter failing grade, an opportunity to recover the failing grade is possible.

Course Assessments:

Graded assignments will be entered in Infinite Campus no later than two weeks from the assignments due date. Selected assessments will be only be entered in the grade book but not returned to the students.

Tests, Quizzes, and Notebook

Tests will be scheduled, and there will be several quizzes given for each unit so students can determine whether they are adequately progressing. Failing grades on quizzes can be an indicator of probable future test grades, unless there is an intervention **attempted by the student** (i.e. tutoring).

Online Assignments and Culminating Tasks

USA Test Prep and HRW (textbook) assignments assigned to assist student learning. Students will also complete major tasks and/or projects to connect concepts to real-world scenarios.

Class Work and Participation

Work assigned and worked on during class counts as classwork. Participation points awarded on a weekly basis based on class performance. Each week students will start with 100 points and will have points deducted for any violations during the week.

Make-up Work

I strongly advise you not miss class. However, if you must be absent it is your responsibility to make up any missed work/notes in a timely fashion (school policy). Tests assigned before your absence and given on the day of your absence are to be made up promptly upon your return. **If you are present when a test is announced and you miss the day we review, you will be required to still take the test on the scheduled day.**

Working Together To Have A Great Year!