



"Learning Today... Leading Tomorrow"



Cross Creek High School

Algebra II

Course Syllabus 2021-2022

Mr. N. Patton, Instructor

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Room Numbers: 308

2nd Period Planning

Join Remind: (Text Number: 81010) Class code: _____

Welcome to Cross Creek, the Home of the Razorbacks!

As we prepare for a new and exciting year in mathematics, we must address what is expected in order for **us** to have a safe and productive school year. We must keep an open-mind as we continue to deal with the past, present, and future of the known and unknown effects of COVID 19. Remember, we must all be flexible and prepared to PIVOT!

Students will be expected to come to class **daily** with their required class materials (supplies) and prepared to learn. Please keep in mind that because the majority of our work will **BE** done in class, you will be expected to be on task for the entire class period. So, there should not be any unauthorized technology usage during this time. (UNAUTHORIZED TECHNOLOGY = ZEROS).

Students will also be expected to actively participate in class. This means asking & answering questions as well as **DOING, NOT JUST WATCHING!!** I have come to understand how necessary it is for students to be *doing* the math, and not watching me do the math. I've also learned that students need to process what they are learning, and one way they can do that is by talking about it with me and/or their peers. One of the best ways to accomplish these things is by having students work problems at the board. Actively participating in class can help in so many ways and can prevent feelings of frustration especially if you are experiencing difficulty in the class. **No effort, no help!!!!**

Students may also work in **cooperative learning groups/pairs** throughout the year. By discovering mathematical concepts, you will benefit from, and provide help to others when you work in groups. **Each person** in a group will be **expected** to contribute to that group, and graded accordingly. When completing your work, show all steps used to solve the problems, similar to the notes you have taken in class. Showing all your work will help you gain a better understanding of the math processes involved in working each problem.

NO work shown = NO credit!!!

Course Description:

This course is designed to provide the student with a solid foundation in the algebraic concepts required in high school level math classes and beyond. 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 encouraged to be used as appropriate. The Mathematical Practice Standards apply **throughout** each 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.

Course Outline:

Anticipated Units of Study	Time Length (approximate)
Unit 0: Think Like a Mathematician	2 Weeks
Unit 1: Quadratics Revisited	3 Weeks
Unit 2: Operations with Polynomials	3 Weeks
Unit 3: Polynomial Functions	4 Weeks
Unit 4: Rational and Radical Relationships	5 Weeks
Unit 5: Exponential and Logarithms	6 Weeks
Unit 6: Inferences and Conclusions	2 Weeks
Algebra II Review	2 Weeks

Required Daily Course Material (Supplies): Three-Ring Binder (1½ or 2 inch) with loose-leaf paper; Textbook; Calculator; Writing Utensils

** **Notebook** should have the Algebra II syllabus in the front and dividers for warm-ups and each unit. Being organized and having your own calculator will contribute greatly to your success in this class.*

** **Calculator:** Sharing calculators is **NOT** allowed. Sharing a calculator during a quiz or test will be considered cheating and will result in a grade of **zero (0)**. Cell phone calculators may **NOT** be used!!!*

Attendance/ Make-up Work:

- Attendance is the KEY!! We are all concerned about COVID-19; but, ATTENDANCE will be extremely important! I strongly encourage you **NOT** to miss class!
- If you are absent, please contact Mr. Patton through REMIND or one of your classmates so that you will be prepared for class when you return.
- Make-up work will be considered on a case-by-case basis.

Grading Policy: The following is a summary of basic course requirements:

Grade Categories	Grade Percentage
<ul style="list-style-type: none"> • Summative: Tests, Quizzes, Notebook, Projects 	60%
<ul style="list-style-type: none"> • Formative: Class Participation, Class work, TITD/TOTD, Check for Understanding (CFUs), Practice Work, Quizzes, Notebook Check, & Online Assignments 	40%
Semester Exam 20% of the student's math average.	20% of the student's semester grade

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

- Students will be given multiple opportunities to be successful throughout each grading period.
- Along with the grading procedures, there will be a reward system designed to encourage completion, participation, and enthusiasm from ALL students.

Course Assessment

Tests and Quizzes

Tests will be announced; however, quizzes may not be. Therefore, it is important to review class material along with practicing by either reworking the problems from class or utilizing math resources each night. Students' progress will be monitored using a variety of assessments throughout the year.

Class Participation & Class Work:

Class participation is an important aspect of student learning. When students speak up in class, they learn to express their ideas mathematically. When they ask questions, they learn how to obtain information to enhance their own understanding. Therefore, students will be graded on class participation as well as class work. *Graded homework may be given periodically with the purpose of reinforcing what was covered during class.*

Online Assignments: USATestPrep /Quizziz /Kahoot/myhrw/Delta Math/ Khan Academy

Math Help/Tutoring

The primary goal is to meet the developmental needs of each student; therefore, student progress should be monitored using Infinite Campus. For issues or questions about Infinite Campus, please contact our registrar Ms. Jenkins. These tools are available for parents and students to quickly access student's grades and attendance. If you have any questions at any time, please feel free to contact Mr. Patton via REMIND or Email. **Do not wait until it is too late to attend to your child's needs!**

If you are struggling in math:

1. Get extra help from your teacher by asking questions in class.
2. Math requires practice and action! In order to learn the math concepts presented in class, you should practice math problems and vocabulary every day.
3. Use online math resources.
Some Good Math Resources: www.khanacademy.org, www.purplemath.com,
www.mathway.com, & www.mathisfun.com
4. Ask your classmates to form a study group or use the **free** Richmond County tutoring, FEV. This is located on your launchpad.
5. Visit Mr. Patton's tutoring.


The primary goal is to meet the developmental needs of each student; therefore, student progress should be monitored using Infinite Campus/Canvas. These tools are available for parents and students to quickly access student's grades and attendance. If you have any questions at any time, please feel free to contact your child's math teacher via Email or REMIND. **Do not wait until it is too late to attend to your child's needs!**

Requirements for attending Mr. Patton's tutoring:

- Tutoring is available on Mondays from 2:40 – 3:20.
- Student must meet the class requirements in order to attend:
 - ✓ Regular class attendance.
 - ✓ Paying attention/participating in class.
 - ✓ Notes/Notebook.
 - ✓ Completion of online assignment.

Expectations:

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

1. Be a **S.T.A.R.**  (**S**tudent **T**aking **A**cademic **R**esponsibility).
YOU are responsible for your education! **YOU** determine your success or failure!
2. High expectations – **ALL DAY, EVERY DAY!**
3. Adhere to all policies, rules, and regulations outlined in the student handbook. **All school rules** apply in my classroom.
4. This syllabus should remain in the front of the mathematics notebook for quick access.

NOTE: Each and every student is expected to be **R²**, respectful and responsible!

Classroom Rules

1. **UNAUTHORIZED TECHNOLOGY = ZEROS!!!!** Technology use is permitted when approved by the teacher.
2. **Bottled** water is allowed.
3. Profanity will not be tolerated! If it is not said in church then **DO NOT** say it in class.
4. Refrain from throwing anything.
5. There is to be no destruction or defacing of any items in the classroom.
6. Follow ALL COVID-19 guidelines.

Classroom Norms

- A. Be respectful, on time, and present with **ALL** your needed materials for class.
- B. Enter, go to your assigned seat, and read the board! – **Remember 10/10 RULE!**
This means no passes will be given during the first and last 10 minutes of class.
- C. **Pay attention** during instruction and **follow directions** as they are given.
- D. Remain **seated always**, raise your hand, and stay **engaged** when working.
- E. Remain **SILENT** during quizzes and tests – failure to do so will result in a zero (**0**).
- F. You are responsible for maintaining a **clean**, safe environment – keep your area clean.
- G. **Follow** all Cross Creek school policies and the RCSS Code of Conduct.

Consequences for not following Norms / Rules / Procedures

1. Individual warning one-on-one on behavior issue.
2. A phone call to your parent or guardian regarding the behavior issue.
3. Written referral to the corresponding assistant principal.

***Severe Disruption: Removal from classroom and referral submitted!

NOTE: The teacher reserves the right to adjust this syllabus to meet the needs of the students.

Working together, we can have a successful year while increasing our math knowledge!

