# College Readiness Mathematics

# *Mark Stein*

Mathematics Teacher E-mail: [mark.stein@hcbe.net](mailto:mark.stein@hcbe.net)

Veterans High School School Phone: 478-218-7537

**Supplies Textbook**

Loose-leaf Paper Textbooks will not be issued to students for this

Folder course. Your notes will be your primary resource.

Pencil & Eraser

TI-30XS Multiview Calculator

TI-84+ Graphing Calculator (preferred)

All students are issued a district-provided chrome book for instructional purposes, student engagement, and student learning. Chrome book use is at the direction and discretion of the classroom teacher.

**Course Description and Outline**

College Readiness Mathematics is a fourth course option for students who have completed Algebra I or Coordinate Algebra, Geometry or Analytic Geometry, and Algebra II or Advanced Algebra, but are still struggling with high school mathematics standards essential for success in first year post-secondary mathematics courses required for non-STEM majors. The course is designed to serve as a bridge for high school students who will enroll in non-STEM post-secondary study and will serve to meet the high school fourth course graduation requirement. College Readiness Mathematics focuses on key content and practice standards to ensure that students will be ready for post-secondary academic courses and career preparation in non-STEM fields. The course will revisit and expand the understanding of content standards introduced in earlier mathematics courses and will emphasize numeracy, algebra and functions, geometry, and statistics in a variety of contexts.

**Standards**

You can find a list of all standards for College Readiness Mathematics at

<https://www.georgiastandards.org/Georgia-Standards/Frameworks/College-Readiness-Standards.pdf>

**Course Outline**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Unit 1** | **The Real Number System, Polynomials, & Factoring** |  | **Unit 7** | **Complex Numbers** |
| **Unit 2** | **Rational & Radical Expressions** |  | **Unit 8** | **Systems of Equations** |
| **Unit 3** | **Solving Linear, Absolute Value, & Quadratic Equations** |  | **Unit 9** | **Matrices** |
| **Unit 4** | **Solving Radical, Rational, & Exponential Equations** |  | **Unit 10** | **Parabolas & Circles** |
| **Unit 5** | **Graphs of Linear, Absolute Value, & Exponential Functions** |  | **Unit 11** | **Ellipses & Hyperbolas** |
| **Unit 6** | **Graphs of Quadratic, Cubic, Rational, & Radical Functions** |  | **Unit 12** | **Right Triangle Trigonometry** |

**Grading Procedures**

Major Assessments 45%

Minor Assessments 20% This course includes a cumulative exam at the

Daily Work 15% end of each semester.

Final Exam 20%

You can check your grade anytime during the semester on Infinite Campus. Progress reports will be sent out at 6-week intervals.

**Homework**

Homework will be assigned regularly and is expected to be completed. **Failure to do homework will result in poor performance in this class.** Students are expected to attempt each problem to receive full credit (100).

**Quizzes**

Quizzes will be given frequently to assess student progress.

**Tests**

There will be 1-2 test grades per unit to assess a student’s mastery of the standards for that unit.

**Tutoring**

Tuesday & Thursday 7:20-7:50 in room 2209

# Make-up Procedures (for absences from school)

1. Students are responsible for getting & making up any/all missed work.
2. If a test or quiz is missed, it must be made up before or after school.
3. A test or quiz must be finished in **one** visit.

**Teacher Expectations**

1. Be on time to class.
2. Follow all handbook rules; be respectful.
3. Be prepared to learn, including bringing all school supplies every day!
4. Absolutely no food, drinks (except water in a clear bottle with top), or gum in the classroom.

# Classroom Consequences

1. Reminder of classroom expectations
2. Teacher Detention and/or Parent Notification
3. Office Referral

**Google Classroom**

To encourage blended learning, Google Classroom will be used on a weekly basis. Students should be familiar with how to navigate the online platform, communicate with their teacher, and submit assignments on time. If there are technology limitations, please notify the teacher.

As defined by Dictionary.com, **cyberbullying** is *“the act of harassing someone online by sending or posting mean messages*.” Please keep in mind that Google Classroom communication system is designed to work as an extension of the classroom; therefore, anything done on the site through the access of a school course group will be treated the same as if it were said aloud in the classroom. Inappropriate comments or use of the site can result in disciplinary action.

**VHS Test Retake Policy**

Students will have the opportunity to retake **TWO** End-of-Unit tests given in this class over the course of the semester (excluding the final exam). Retakes **will not** be offered for the following: tasks, homework, and quizzes given throughout the course of each unit. All tests that can be retaken will be cumulative for a full unit of instruction.

In order to RETEST a student must complete the following steps:

1. Complete test corrections on Retake Contract (**MUST ALL BE CORRECT**)
2. Attend at least 1 tutoring session with test corrections

Once the steps above have been completed, the student will be eligible to take an alternate version of the test during the designated time outside of normal school hours. All retake completion dates will be announced on the day original tests are returned, and will be a minimum of 5 school days from that date. If this retake grade is higher, it will replace the original Unit Test grade in the calculation of the average.

**Important Point**

I am here to aid students in successfully learning mathematics. If at any time you need additional assistance or clarification, please, contact me as soon as possible. I will do whatever I am able to assist you; your success is my priority.

Mr. Stein

College Readiness Math

**By signing below, I acknowledge that I have received, read, and understand all the objectives, student expectations, classroom rules and procedures, grading policy, disciplinary consequences, calculators, and tutoring information in the syllabus for the College Readiness Math course.**

Parent/ Guardian, please include your email address and the single best phone number at which to contact you between 7:15-3:30.

Student Name (Print) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent/Guardian Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Number \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent/Guardian E-mail Address \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent/Guardian Signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student Signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_