

## Algebra 2 / Math 3 Course Syllabus

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**James Rumsey**  
Technical Institute

### **Course Objective:**

Upon completion of the course,

- Students will make sense of problems and persevere in solving them.
- Students will reason abstractly and quantitatively.
- Students will construct viable arguments and critique the reasoning of others.
- Students will model with mathematics to solve real-world applications.
- The student will gain a greater understanding of algebraic concepts needed for future mathematics work.

### **Topics of Study:**

- 1) Polynomial, Rational, and Radical Relationships.
- 2) Modeling with Functions
- 3) Trigonometric Functions
- 4) Inferences and Conclusions from Data

### **Textbook:**

- Primary: enVision Algebra 2, West Virginia Edition; Pearson Education, Inc.
- Supplementary: Algebra 2, West Virginia Edition; Glencoe/McGraw-Hill
- Supplementary: IXL Online Learning; Web-Based Mathematics Program

### **Recommended Supplies:**

Materials that will help you be successful in class are:

- #2 Pencils OR Mechanical Pencils with extra lead; erasers
- College Ruled Composition Notebook (dedicated to math notes)
- OR Lined notebook paper and 3-ring 2" binder (to be used for math only)
- Textbook
- Graph paper (You may print FREE graph paper from <http://www.printfreegraphpaper.com>)
- Different colored markers or highlighters. These are used for highlighting and/or showing different math steps to help make your notes more interesting/fun.

### **Behavior:**

All students and the teacher are to be treated with mutual respect in order to promote a healthy classroom environment.

- Come to class on time. Tardiness is a disruption and not tolerated.
- No teasing, cussing, or horse play in class.
- Food, drinks, iPods, cell phones, and other electronic devices are not allowed.
- Students must come to class prepared with all homework completed and ready to learn.

**Discipline:**

I believe most students do their best to act appropriately in the classroom. Any behavior problems will be handled as stated in the student handbook handed out at registration.

The following interventions will be taken in the event of discipline problems within the classroom, depending on severity.

1. Verbal Warning
2. Teacher / Student Conference
3. Parents / Guardians Contact
4. Office Referral

**Grades:**

Students must maintain a cumulative 60% or above in order to pass the course. However, JRTI has higher expectations and typically expects a 70% or higher. Here is a breakdown of the grades.

**Exams:** 25-50 points

- Partial Credit will be given for showing work.
- Usually every 2-3 weeks. Covers multiple topics.
- Retakes: Exams (only) may be retaken upon student request. The higher of the two grades will be entered. Retakes may only be taken within 2 weeks of the original exam date and BEFORE the end of the respective 9-weeks. It is up to the student to schedule a time for the retake.

**Homework / Classwork:** 5- 10 points

- Must be completed and show all work in order to receive full credit.
- All work must have a proper header. Your name, class period, date, and the FULL assignment (page number, problem numbers, etc.) **must** be written on the top.

**Online Work:** 5-10 points

- Computer-based assignments must be completed and count as a homework grade.

**Quizzes:** 5-10 points

- May or may not be announced. Expect 1 per topic.
- Used to gauge understanding on specific topics.

**Projects:** 15-50 points (typical)

- Expect one or more projects throughout the year.
- Team oriented.
- Applies learned math skills to real-world scenario.

**Semester Exam:** 100 points

- Given at the end of the 1 semester.

**Final Exam:** 100 points

- Given at the end of the year.

**Late Work:** Will be accepted, with -1 point for each day that it is late. After reaching 0 possible points, it will no longer be accepted.

### **Plagiarism / Academic Dishonesty Policy:**

Plagiarism and academic dishonesty are serious offenses. The academic work of a student is expected to be his/her own effort. To represent ideas or interpretations taken from a source without giving credit is a flagrant act. Academic Dishonesty can be defined as:

*Cheating.* Intentionally using or attempting to use unauthorized materials or devices. This includes but is not limited to –

- Using books, notes, calculators, or communication devices during an exam without permission
- Copying from another student's paper
- Falsifying records
- Copying computer files from another student or an instructor
- Obtaining a test or test answers before the scheduled exam without authorization
- Impersonating, including soliciting someone to take an exam or do coursework on your behalf, or sharing your username and password with someone to access your online course sites or student accounts

*Plagiarism.* Presenting the work of another as one's own without acknowledging the source. This includes but is not limited to –

- Submitting another's work, word-for-word, as your own (i.e. failure to include citations and references with your written work)
- Copy-and-pasting from the Internet without giving due credit to the source of information
- Using significant portions of text from a single source without adaptation
- Including inaccurate information about sources or fabricating sources

ANY student caught cheating or plagiarizing will receive a 0% for that assignment. Further disciplinary action will also be taken, as determined by James Rumsey administration.

### **Expectations:**

- Work is completed on time. No folds, wrinkles, doodles, etc ... It should look professional.
- Homework questions are written, diagrams are drawn, and all work is shown.
- Follow all directions. Failure to follow directions will result in loss of credit.
- Take good, clear, usable notes.
- Pay attention! Sit up straight, no slouching, look interested.
- Make every effort to be in class every day.

### **Make-up Work**

As absences occur, either excused or unexcused, it is the responsibility of the student to contact the teacher and make arrangements for make-up work. For an **excused absence**, you get ONE day for each day you are absent to turn in your work. For example, if you are absent on Tuesday you must turn in Monday's homework when you return on Wednesday. If you miss a test you must make it up the first day when you return to school.

If you are turning in an assignment late due to an excused absence, make sure that you

write down "ABSENCE" in the front page of your assignment and turn it in the very next day that you are in class. It is YOUR responsibility to turn in your homework after an absence. I will not ask you for your absente work. .... you must remember to turn it in!

**Assignments due but not received the day following an absence will be considered LATE.**

**Extra Help:**

I am available before and after school, as well as by appointment. Students are encouraged to ask for help anytime they feel they have not mastered the material. While I do not provide extra credit work, students are permitted to retake exams to improve their score.



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I have read the course syllabus for Mr. Gerda's **Algebra 2 / Math 3** and I understand the requirements and expectations for this course.

**Parent / Guardian Information**

(name -printed): \_\_\_\_\_

(signature): \_\_\_\_\_ Date: \_\_\_\_\_

(contact email): \_\_\_\_\_

(contact phone): \_\_\_\_\_

**Preferred Method of Contact (Circle 1):      Email      Phone**

\_\_\_\_\_

**Student Information**

Class Period: \_\_\_\_\_

(name -printed): \_\_\_\_\_

(signature): \_\_\_\_\_ Date: \_\_\_\_\_

(contact email): \_\_\_\_\_