

****ALGEBRA I** Syllabus**
Rumson-Fair Haven Regional High School
2026-2027

I. Instructor and contact information:

Mrs. Julie Brewington	jbrewington@rumsonfairhaven.org	(732) 842 – 1597 ext. 887
Mrs. Donna Clarke	dclarke@rumsonfairhaven.org	(732) 842 – 1597 ext. 814

II. Meeting time and location: Period 3 in Room 202, Periods 5 and 7 in Room 201

III. Office Hours: *Office hours are subject to change with proper notice.*

IV.

BREWINGTON

Day 1: 7:22 - 7:40am Rm. 201

11:11-11:41am Rm. 201

Day 2: 10:45-11:41am Rm. 208 (Math LRC)

Day 3: 7:22 - 7:40am Rm. 201

11:11-11:41am Rm. 201

CLARKE

Day 1: 10:45-11:15am Rm. 211

Day 3: 7:22 - 7:40am Rm. 211

Day 4: 7:22 - 7:40am Rm. 211

10:45-11:15am Rm. 211

V. Course description:

Algebra I is designed to explore functions both graphically and numerically, extending and deepening previous understandings introduced in grades 6 through 8. The topics that will be covered include number sense, linear functions, non-linear functions and statistics. Students will be involved in problem-solving activities on an individual, small group and large group basis. Through this process the ability to read and understand problems, break them down into their component parts and then create and present solutions will be developed. At the conclusion of the course, students will complete the Algebra I NJSLA.

VI. Major Units of Study:

Unit 1: Numbers and Operations

Unit 2: Solving Equations

Unit 3: Linear Functions

Unit 4: Linear Systems

Unit 5: Linear Inequalities

Unit 6: Absolute Value

Unit 7: Functions and Sequences

Unit 8: Exponential Functions

Unit 9: Polynomials

Unit 10: Quadratic Functions and Equations

Unit 11: Algebraic Functions

Unit 12: Statistics

VII. Classroom Rules:

Be on time.

Give your best effort. Be on task and complete all assignments on time. Ask questions and provide input whenever possible / necessary.

Be respectful of yourselves, your peers, and your instructor at all times.

VIII. Grading Breakdown:

All assessments will be prepared collaboratively by teachers of the same level. Quarterly grades in Algebra 2 are determined via the percentage weighting model below.

<u>Category</u>	<u>Weight of MP</u> <u>Grade</u>
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Assessments	70%
Alternative Assessments	25%
Coursework (HW/Classwork)	5%

Assessments – This category consists of tests and quizzes made up of different point values. Three summative assessments will be administered throughout the year.

Alternative Assessments – This category consists of presentations, activities, labs, problem sets, projects, warm ups, exit slips, and other alternative assessments made up of different point values.

Coursework - Short-term classwork and homework assignments are given on an ongoing basis in all academic courses. Credit for short-term classwork and homework assignments will only be given if they are submitted on the due date at the designated time. Students are expected to follow the guidelines established in the RFH Student Handbook for the submission of work if they are absent on the due date for the entire school day. Specific IEP stipulations and 504 Plan modifications are exceptions to this policy.

IX. Class Preparedness:

Students must have their charged school-issued Chromebook devices with them every day in school. Students must also have their notebooks, pens, pencils, and calculators every day. Students are expected to be ready to participate, answer, and interact with other students when prompted. *If students are unprepared, including missing their school-issued Chromebook when it is necessary for an assignment or assessment, they are subject to receiving a zero for that assignment.*

IX. Important RFH Procedures, Policies, and Guidelines:

→ **Cell phones in class:**

- ◆ All inter-enabled devices must be turned off and either in their locker, backpack, or not on school property. Internet-enabled devices are not permitted to be used between 7:40AM and 2:40PM.
 - **First Offense:** Teacher conference and confiscation of device (returned at the end of the day).
 - **Second Offense:** After-school detention and confiscation of device (returned at the end of the day).
 - **Third Offense:** Saturday detention and confiscation of the device, which must be picked up by a parent/guardian.
 - **Additional Offenses:** May result in further restrictions of student privileges.

→ **Use of Artificial Intelligence (AI):**

- ◆ *At RFH, we approach this moment with both hope and caution. We believe Artificial Intelligence has the potential to transform learning in powerful ways by enhancing understanding of course material, promoting student-centered and problem-based learning, and fostering digital literacy, creativity, critical thinking, and problem-solving skills. However, students must be active decision-makers, consistently evaluating and using these tools ethically and responsibly, without compromising academic integrity. We expect our use of AI in the classroom to evolve as the school year goes on. **Your teacher will provide guidance on the appropriate and acceptable use of AI for this class, but it is your responsibility to adhere to their instructions.** Should you have any questions or concerns, please speak with your teacher.*

→ **Laptop Devices**

- ◆ No student shall use another student's district-issued log-on credentials.
- ◆ No privately owned electronic device may be attached to any Rumson Fair Haven Regional High School network.
- ◆ Violation of school or district policies, local, state, and/or federal laws while using a personal electronic device on the RFH wireless network will result in appropriate disciplinary and/or legal action as specified in the Student Handbook and Conduct Code, School Board policy

→ **Attendance Policy and Assessments**

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- ◆ A student may be dropped from or denied course credit when absent 14 or more classes for a full-year course; the change from 18 to 14 absences aligns with the rotating drop schedule.
- ◆ *If a student comes in late or leaves early and misses a class during which an assessment is administered or due, the student may only retake the evaluation or turn the assessment in late if they have a doctor's note or an absence excused by the state; otherwise, the student receives a zero for that assignment.*

→ **Short Term Assignments and Major Assessment Information**

- ◆ Homework will be due at the beginning of the class period the next time the class meets. Assignment dates will be posted in Google Classroom. Students are encouraged to upload their work.
- ◆ **Short-Term Homework Assignments** - Short-term homework assignments are given on an ongoing basis in all academic courses. Credit for short-term homework assignments will only be given if they are submitted on the due date at the designated time. Students are expected to follow the guidelines established in the RFH Student Handbook for the submission of work if they are absent on the due date for the entire school day. Specific IEP stipulations and 504 Plan modifications are exceptions to this policy.
- ◆ **Major Assessments** - Major assessments are required course components in all academic courses, and they will be evaluated using corresponding rubrics. Failure to complete any of the designated criteria for a major assessment or minimal demonstration of effort on any facet of a major assessment will have a negative impact on student performance. Students are strongly advised to develop their projects beyond the minimum passing levels as determined by the instructor, and they are encouraged to confer with the instructor on ways in which they can develop their final products. Timely completion is a fundamental criterion for all major assessments: late assignments will be penalized according to the established policy:
 - 10% grade reduction off of the final grade if the major assessment is not submitted on the due date at the designated time. Additional 10% reductions will be given for two days subsequent to the due date. After this time has passed, the grade is reduced to no credit (0).If a student is in school on the day in which a major assessment is due and is absent from class, the assignment must be e-mailed or submitted to the instructor by the end of the school day. Failure to do so will result in the established late penalty. Exceptions to this policy will be up to the discretion of the instructor and/or the department supervisor if there are extenuating circumstances. Specific IEP stipulations and 504 Plan modifications are also exceptions.

- **The consequences for a violation of academic integrity on a major assessment will correspond to the penalties outlined in the RFH Student Handbook.**
- **Students are expected to follow the guidelines established in the RFH Student Handbook for the submission of work if they are absent on the due date for the entire school day.**

X. Materials:

RFH Issued Chromebook Device (Charged and Working), Notebook or Binder with Lined Paper, Graph Paper, Pencils & Erasers

XI. Tentative Schedule:

Quarter # 1 Big Ideas:	Timeline	Topics/Themes/Concepts	Assessments
Unit #1 Numbers and Operations	Week #1	Opening Day, Real Number System, Exponents	
	Week #2	Properties of Exponents and Radical Operations	CFU

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Unit #2 Solving Equations	Week #3	Radical Operations and Scientific Notation	Lessons 1-3 Quiz
	Week #4	Unit Review	Unit 1 Assessment
	Week #5	Balancing Expressions Solving Equations Literal Equations	Check for Understanding
	Week #6	Solving Equations Unit Review	Unit 2 Test
	Week #7	Graphing Stories Functions v. Relations Proportional Relationships Linear Transformations	Check for Understanding
	Week #8	Graphing Linear Functions Technology Writing Linear Functions	Quiz
	Week #9	Graphing & Writing Linear Functions Review Linear Regression	Test
Unit #3 Linear Functions	Week #10	Linear Regression Project	Project