

Algebra 1
Rumson-Fair Haven Regional High School
2025-2026

Instructor and Contact Information

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Office Hours

	Day 1	Day 2	Day 3	Day 4
Waltz	7:22 - 7:40 AM Room 511	7:22 - 7:40 AM Room 511 <i>Math LRC</i> Common Lunch Room 101	10:45 - 11:15 AM Room 511	10:45 - 11:15 AM Room 511
Clarke	7:22 - 7:40 AM Room 511	10:45 - 11:15 AM Room 511	7:22 - 7:40 AM	10:45 - 11:15 AM Room 511

Please reach out at the beginning/end of class or via email to schedule a time.

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.

Major Units of Study

- Unit 1: One-Variable Statistics
- Unit 2: Equations
- Unit 3: Linear Functions
- Unit 4: Systems of Equation
- Unit 5: Solving and Graphing Linear Inequalities
- Unit 6: Absolute Value
- Unit 7: Functions
- Unit 8: Exponential Functions
- Unit 9: Polynomials
- Unit 10: Quadratic Functions and Equations
- Unit 11: Algebraic Functions

Classroom Rules

All students are expected to show respect at all times to the teacher, their peers, and the classroom environment. If this is not the case, disciplinary action will be taken.

Students will be required to come prepared to class each day with their fully charged chromebook. Some lessons and/or instruction will be digital in nature and require a digital device, other than a cell phone.

Grading Breakdown

Quarterly grades for all marking in *Algebra I* are determined via a percentage weighting model that is part of an established sequence for *Algebra I* that consists of three grading categories. *Summative assessments* will fall under the assessments categories and take place in marking periods 2, 3 and 4.

Category	Percentage
Coursework (Classwork/Homework)	5%
Alternative Assessments/Labs	25%
Assessments	70%

Assessments will consist of tests, quizzes and summatives of varying point values.

Alternate Assessments may consist of Cooperative Assessments, Presentations, Activities/Labs, Problem Sets, Formative Assessment Questions, Projects, and Checks for Understanding.

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.*

Algebra I Materials

Students will be expected to have the following materials available. The teacher will outline which materials will need to be brought to class during in-person instruction.

- [Graphing One-Subject Composition Notebook](#)
- Pencil(s) and eraser caps
- [TI-30 Scientific Calculator](#) (Available in the classroom)
- [TI-84 Graphing Calculator](#) (Optional - a class set is available for use in the classroom)

Important RFH Procedures, Policies, and Guidelines

Cell phones in class

- All devices must be turned off and put away in classroom caddies when class begins. Cell phones must be placed in the classroom cell phone caddy for the entire block/period.
 - ◆ **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

- 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).
- **Homework** Homework is assigned for each topic to aid in the learning of the skills worked on in class. Homework may be accessed through *Math XL*, *Edulastic* or *Google Classroom*. To earn full credit, each part of the assignment must be attempted with work shown in your blue book to earn credit. *Work in your notebook will be collected for notebook checks.*

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.

Be Responsible For Your Learning!

- Take notes during instruction
- Stay actively involved in the lesson through active listening
- Ask relevant questions at any time to clarify
- Be an active member of your team as you problem solve at the whiteboards
- Don't be afraid of making mistakes, they are part of the learning process!

Use Resources to Help You!

- Review the presentations and notes taken during class discussion in our digital unit binders (*available on Google Classroom*)
- Work through practice problems completed in class
- Check Google Classroom for optional practice with an included answer key
- Attempt similar questions on recent homework assignments on *Math XL*
- [Virtual Nerd](#) presents various videos based on course and topic
- [Khan Academy](#) offers video explanations and online practice
- [Desmos](#) is a free virtual graphing calculator

Waltz EWaltz@rumsonfairhaven.org					
Block	Time	Day 1	Day 2	Day 3	Day 4
Block 1	7:45 - 8:42	Forrest Avenue Door	Algebra I ICS Room 511	Teacher Prep	Math Analysis ICS Room 511
Block 2	8:46 - 9:44	Algebra I ICS Room 511	Teacher Prep	Math Analysis ICS Room 511	Teacher Prep
Block 3	9:48 - 10:45	Teacher Prep	Math Analysis ICS Room 511	Forrest Avenue Door	Algebra I ICS Room 511
Lunch/Labs	10:45 - 11:41	Lunch	Teacher Lunch	Office Hours	Office Hours
		Physics Lab		Teacher Lunch	Teacher Lunch
Block 4	11:41 - 12:38	Physics	Algebra I ICS Room 511	Algebra I Room 511	Math Analysis ICS Room 511
Block 5	12:42 - 1:39	Math Analysis ICS Room 511	Physics	Algebra I ICS Room 511	Algebra I Room 511
Block 6	1:43 - 2:40	Algebra I Room 511	Math Analysis ICS Room 511	Physics	Algebra I ICS Room 511

Clarke DClarke@rumsonfairhaven.org					
Block	Time	Day 1	Day 2	Day 3	Day 4
Block 1	7:45 - 8:42	Teacher Prep	Algebra I ICS Room 511	Algebra I R Room 511	Math Analysis ICS Room 511
Block 2	8:46 - 9:44	Algebra I ICS Room 511	Algebra I R Room 511	Math Analysis ICS Room 511	Study Hall Cafeteria
Block 3	9:48 - 10:45	Algebra I R Room 511	Math Analysis ICS Room 511	Teacher Prep	Algebra I ICS Room 511
Lunch/Labs	10:45 - 11:41	Forrest Avenue Door	Office Hours	Testing Room Learning Commons	Office Hours
			Teacher Lunch		Teacher Lunch
Block 4	11:41 - 12:38	Teacher Lunch	Algebra I ICS Room 511	Teacher Lunch	Math Analysis ICS Room 511
Block 5	12:42 - 1:39	Math Analysis ICS Room 511	Teacher Prep	Algebra I ICS Room 511	Teacher Prep
Block 6		Hall Roaming/SAP	Math Analysis ICS Room 511	PMT	Algebra I ICS Room 511

Tentative Schedule - All dates are subject to change

Big Ideas	Timeline	Topics/Themes/Concepts	Assessments
Collaborative Work & Problem Solving	Week #1	<i>Opening Days</i> Thinking Tasks/Math XL Set-up L1 Statistical Questions	Group Work Task Rubric
Unit 1 One-Variable Statistics	Week #2	L2 Distribution Shapes L3 Measures of Variability	Unit 1A CFU
Unit 1 One-Variable Statistics	Week #3	L3 Measures of Variability	Radical Problem Set
Unit 1 One-Variable Statistics	Week #4	L4 Manipulating Data Unit 1 Review	Unit 1 Test
Unit 2 Solving Equations	Week #5	L1 Expressions L2 Solving Equations	Unit 2 Problem Set
Unit 2 Solving Equations	Week #6	L2 Solving Equations L3 Literal Equations L4 Evaluating Formulas	Unit 2A CFU
Unit 2 Solving Equations	Week #7	L4 Evaluating Formulas Unit 2 Review	Unit 2 Test
Unit 3 Linear Functions	Week #8	L1 Graphing Stories L2 Proportional Relationships L3 Domain & Range	Unit 3A CFU Unit 3A Quiz
Unit 3 Linear Functions	Week #9	L4 Linear Functions L5 Writing Linear Functions	Unit 3B Quiz
Unit 3 Linear Functions	Week #10	L6 Linear Regression	Unit 3 Project
		Units 1 - 3 Review	<i>Summative #1</i>