

Novato High School

ALGEBRA 2 2023-24

Ali Doolin

Email: adoolin@nUSD.org

Webpage: doolinmath.weebly.com

The Common Core State Standards for Mathematical Practice are deeply interwoven into the fabric of the daily lessons. Students will use problem solving strategies, question, investigate, analyze critically, gather and construct evidence, and communicate rigorous arguments to justify their thinking. For access to the full text of the standards, go to <https://www.cde.ca.gov/re/cc/>.

In this course, students will study:

- Equations & Inequalities
- Exponents & Logarithms
- Rational Functions
- Linear Functions & Systems
- Quadratic Functions & Complex Numbers
- Trigonometric Functions
- Parent Functions & Transformations
- Polynomial Functions
- Trigonometric Graphs

Supplies Used In This Course:

- Three ring binder
- Lined paper and graph paper
- TI 84 plus, TI 84, TI 83 calculators used at school
- Pencils and erasers
- Chrome book and charger

Grading Policy:

Class practice and home practice: 10%

Unit Assessments: 50%

Quizzes/Projects: 20%

Final assessment 20%

Home Practice and Class Practice

Practice problems will be given every class and reviewed at the following class. It is very important that the student is practicing the skills students learned in class. In this course, students will complete class problems and activities individually and within a study team. Students will explain their ideas, listen to what others have to say, and ask questions if there is something they do not understand. In this course, a single problem can often be solved several different ways. Students will see problems in different ways than their teammates see them. Each student has something unique to contribute to the study team and together they will work on the completing the activities.

Assignments are given credit based on a variety of aspects: completeness of assignment, showing of work, depth of mathematical explanation, self-correcting and accuracy.

Assignments will receive reduced credit if completed and turned in after they are due. Missing assignments are **not** acceptable after the Unit assessment. In the event the student is absent, they have the responsibility of reviewing the assignment calendar posted and completing the assignment/notes upon

their return. For an excused absence, the student will be given one class day for each absent day. Extensions will be considered upon request, if the request is made prior to the due date.

Process quizzes:

Quizzes provide students with feedback on their progress toward Learning Goal mastery. Missing quizzes are not acceptable after the Unit assessment is given.

Assessments

The assessments allow for students to demonstrate their ability to solve mathematical problems, the level of skill mastery, and the conceptual understanding of topics or ideas. Students are assessed on their mastery of the Learning Goals with a scale of 0 to 4. The scale and course grade conversion is as follows:

Levels of Understanding RUBRIC			Course Grade		
Level 4	Exceeding the Target	The student has advanced understanding and exceeds the learning goal expectations and demonstrates knowledge that is beyond what was expected or explicitly taught.	A+	3.75	4.00
			A	3.26	3.74
			A-	3.00	3.25
Level 3	Target	The student has proficient understanding of the learning goal.	B+	2.84	2.99
			B	2.67	2.83
			B-	2.50	2.66
Level 2	Approaching the Target	The student has partial understanding of the learning goal.	C+	2.34	2.49
			C	2.17	2.33
			C-	2.00	2.16
Level 1	Beginning the Target	The student has minimal understanding of the learning goal.	D+	1.76	1.99
			D	1.26	1.75
			D-	1.00	1.25
Level 0		No understanding demonstrated.	F	0.00	0.99

For an excused absence on the day of the test, a make-up assessment will be given. If a student is absent from the class day before the test, the student will still be expected to take the test on its scheduled day. A re-assessment is available, and the replacement test is scheduled during the access period.

Keys to Success/Classroom Management

Attend class regularly and be on time.

Bring your binder, pencil, and eraser to class every day.

Take notes and do all assigned work. Keep your class material organized and accessible.

Seek extra help when you need it. Use the website for additional practice/study resources.

Listen and ask questions appropriately. Follow instructions.

Stay on task and avoid any distracting or disruptive behavior. Show respect for everyone and everything in the classroom.

Appropriate language must be used at all times.

Behavior: Behavior standards are consistent with school policy. Students are expected to follow class and school rules at all times. Any violation of the rules will result in disciplinary action in accordance with Novato High School policies. Students are not to have food or gum in class. Cell phones, laptops (unless being used at the teacher's direction) or any other electronics need to be off, and earbuds removed. Cell phones will be placed in an assigned storage location during class unless otherwise instructed.

Assignment Format/Organization: Assignments need to include the student's first and last name, assignment's date, and the class period. All assigned problems need to include all the steps to completing the problem along with any written responses required in order to receive credit.

Binder: Notes and class practice are to be kept in the binder in date order.

Tardies: Students are considered tardy if they are not sitting in their seat at the designated start time of class. Students that enter late to class are disruptive to the learning environment. Students who are late need to sign in on the log and take their seat quickly and quietly. Excessive tardies are addressed according to school policy.