

Algebra I Syllabus
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Classroom Canon

- RESPECT your peers, your teacher, and yourself.
- LISTEN to your teacher, yourself, and your peers.
- CRITICIZE yourself, your peers, and your teacher.
- QUESTION everything!

Course Content

The course curriculum follows the *Algebra I* textbook by Larson, Boswell, Kanold, and Stiff. In particular, we will cover the following chapters.

- Chapter 1: Expressions, Equations, and Functions
- Chapter 2: Properties of Real Numbers
- Chapter 3: Solving Linear Equations
- Chapter 4: Graphing Linear Equations and Functions
- Chapter 5: Writing Linear Equations
- Chapter 6: Solving and Graphing Linear Inequalities
- Chapter 7: Systems of Equations
- Chapter 8: Exponents
- Chapter 9: Polynomials
- Chapter 10: Quadratic Functions

Course Objectives

There are three main mathematical skills that students will develop.

- EVALUATE and simplify algebraic expressions.
- SOLVE linear equations, polynomial equations, linear inequalities, and systems of equations.
- GRAPH lines and arbitrary functions.

Grading Policy

Math is about solutions, not answers. For all homework, quizzes, and tests, finding the correct numerical answer without supporting it will earn little to no points. Instead, I want to see the steps you took to solve the problem. A sufficient solution with the wrong final answer scores full points on homework and most of the points on examinations.

Honors & CP Distinction

Both levels of this course have the same amount of homework, quizzes, and tests, but with different difficulty in problems. There are only a few topics that the honors students will cover that the CP students will not. The CP students may bump up to honors within the first four weeks of the course.

Homework (35% of quarter grade)

- Homework is due once or twice a week.
- Each assignment is graded out of 5 points as follows.
 - (5) Excellent: complete and correct mechanics
 - (4) Sufficient: complete and some incorrect mechanics
 - (3) Insufficient: incomplete and/or incorrect mechanics
 - (0-2) Missing or incomplete
- Late work policy: submissions less than a week late can earn up to a 4, and submissions a week or more late can earn up to a 3.
- Resubmission policy: problem sets that score less than a 4.5 may be corrected and resubmitted within one week to earn up to a 4.5.

Daily Participation (0% of quarter grade)

Every couple weeks, students will receive a participation score out of 5 points. Each participation score is graded as follows. See next page for detailed rubric.

- (5) Excellent: participation exceeds expectations
- (4) Sufficient: students achieve what is asked of them
- (3) Insufficient: there is a noticeable lack of participation
- (0-2) Unexcused: student is absent or disrupts their peers

Weekly Quizzes (20% of quarter grade)

- Short fifteen minute quizzes every other week.
- Weekly quizzes are graded out of 10 points on correctness and *work shown*.
- Resubmission policy: quizzes that score less than a 7 may be corrected at home and resubmitted within a week to earn up to a 7. There are no retakes.

Tests (45% of quarter grade)

- There are two tests each quarter.
- If you anticipate missing a test date, you must take the test *before* the test date.
- Each test is graded out of 100 points on correctness and work shown.
- Resubmission policy: tests that score less than a 70 may be corrected at home and resubmitted within a week to earn up to a 70. There are no retakes.

Final Exam (20% of final grade)

- Your final grade is weighted 40% for each semester grade and 20% for the final exam grade.
- This exam covers the most important material from the entire course, using problems that resemble those on midterm tests.
- You may not retake the final exam.

Daily Participation Rubric

5) Excellent

- Asking good questions
- Helping peers
- Contributing to class discussions
- Doing problems on the board
- Correcting teacher mistakes
- Consistent hard work

4) Sufficient

- Prepared: attendance, class notes, pencil, computer
- Engaged in class
- Doing the work that is asked
- Not talking over others
- Talking in group

3) Insufficient

- Disruptive behavior
- Tardy
- Not listening to others
- Sleeping
- Put “not” in front of anything above (4)

0-2) Unexcused

- Missing class
- Swearing at others
- Phone use
- Aggression
- Vandalism

First Semester

1 - September	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26 Test 1-2 (A)	27 Test 1-2 (B)	28
29	30	1 - October	2	3	4	5
6	7	8	9	10	11 Inservice	12
13	14	15	16	17	18	19
20	21	22	23	24 Test 3 (B)	25 Test 3 (A)	26
27	28	29	30	31	1 - November End Q1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
1- December	2	3	4	5 Test 4-5 (A)	6 Test 4-5 (B)	7
8	9	10	11	12 HW	13	14
15	16	17	18	19	20 Quiz	21
22	23	24	25	26	27	28
29	30	31	1 - January	2	3	4
5	6	7	8	9 HW	10	11
12	13	14 Test 6 (A)	15 Test 6 (B)	16 End Q2	17 Inservice	18

Second Semester

19 - January	20	21	22	23	24	25
26	27	28	29	30	31 Step Up Day	1 - February
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27 Test 7 (A)	28 Test 7 (B)	1 - March
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25 Test 8 (A)	26 Test 8 (B)	27 End Q3	28 SLC	29
30	31	1 - April	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1 - May Test 9 (B)	2 Test 9 (A)	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27 Test 10 (A)	28 Test 10 (B)	29	30	31
1 - June	2	3 Final Exam 1A	4	5 Final Exam 2B	6 Final Exam 4B	7