

Syllabus 2016-2017

Algebra 1 Mount Si High School

Why study Algebra 1?

Algebra 1 is the gateway to exploring and interpreting the world we live in. During this course you will increase your familiarity with variables and formulas, expand your ability to interpret graphs, tables and charts, and develop your abstract thinking skills. The problem solving and reasoning skills you learn and cultivate in Algebra 1 will continue to support your ability to analyze information and make decisions in later math courses.

General Course Topics

- 1: Solving Linear Equations
- 2: Solving Linear Inequalities
- 3: Graphing Linear Functions
- 4: Solving Systems of Linear Equations
- 6: Exponential Functions and Sequences
- 7: Polynomial Functions and Factoring
- 8: Graphing Quadratic Functions
- 9: Solving Quadratic Equations
- 10: Radical Functions and Equations
- 11: Data Analysis and Displays

Textbook

Big Ideas Math Algebra 1
by Ron Larson and Laurie Boswell

Instructors

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Calculators – Required - See back side of sheet

Evaluation

Course grade will be a weighted average of these grades:

Assessments*: 55%

Daily Work**: 35%

Final 10%

* 4 test retakes will be allowed each semester, for a maximum grade of 75% on each test. Test corrections must be completed; a test retake must occur within one week following the return of tests to students.

**Absences:

In case of excused absences, work due on the day of the absence is due the day a student returns to school. Students have 1 day for every day of the absence to turn in work that was assigned during the absence.

No Extra Credit will be offered.

Grading

“A” students attend class regularly, turn in all work on-time, bring necessary materials to class, take thorough notes, manage time effectively, participate in class discussions, and consistently demonstrate mastery of the content.

B or A: work that exceeds the criteria and shows initiative

C: adequate work that meets all of the expected criteria

D: work that does not meet the basic criteria

Grading Scale

We adhere to the Mt. Si High School grading scale.

Tentative Pacing Guide for Algebra 1

<i>September</i>	Complete and assess Chapter 1 Begin Chapter 2
<i>October</i>	Complete and assess Chapter 2 Begin Chapter 3
<i>November</i>	Complete and assess Chapter 3 Begin Chapter 4
<i>December</i>	Complete and assess Chapter 4 Begin Chapter 5
<i>January</i>	Complete and assess Chapter 5 Semester Final Begin Chapter 6
<i>February</i>	Complete and assess Chapter 6 Begin Chapter 7
<i>March</i>	Complete and assess Chapter 7 Begin Chapter 8
<i>April</i>	Complete and assess Chapter 8 Begin Chapter 9
<i>May</i>	Complete and assess Chapter 9 Complete and assess Chapter 10
<i>June</i>	Complete and assess Chapter 11 Semester Final

Teacher Specific Classroom Policies

Attendance is a critical to the success of your student and I hope to see your student in class daily. Please make sure your student is **on time** on a daily basis.

Calculator: Students will need a ti-83 or ti-84 plus for this class, throughout their high school years and beyond. Both calculators are approved for the ACT and the SAT.

Students should bring a **pencil, eraser, paper, and a ti83 or ti84+** calculator, and their student journal to class every day.

A **mechanical pencil** is preferred for my class. I will provide the students with replacement lead as needed. Mistakes are common in math and pencil can be erased, pen cannot.

All classroom information, including daily homework, will be updated daily on my web page: <http://www.mathmulligan.com>. Students will be expected to use this resource throughout the year.

Please talk to your student about Academic Honesty and Integrity.

From the student handbook: *Academic Integrity/Honesty Policy: Academic integrity speaks to a student's commitment and responsibility to pursue scholarship openly and honestly. It respects the concept that learning is the primary purpose of education, secondary to grades and credits.*

Grades will be updated regularly on Skyward and students are expected to keep up with daily assignments. Each homework assignment will be a separate entry in the gradebook so students, and parents/guardians, can easily track the student progress.

