

MS Algebra 7 (2023-2024)

Mr. Selk

Room 106

507-671-1536

selkcr@hayfield.k12.mn.us

Course Description: Algebra covers the following topics: algebraic patterns, algebraic order of operations, equations, proportional reasoning and statistics, linear functions, inequalities and absolute value, systems of equations and inequalities, exponents and exponential functions, polynomials and factoring, rational function, radical functions and coordinate geometry, probability, and functions and transformations.

Course Main Objectives:

- Students will learn how to write and use all applications of Linear Equations with an emphasis on Slope Intercept and it's functions.
- Students will learn how to solve and graph Linear Equations, Functions and Inequalities along with applications of Linear Systems.
- Students will learn how to Simplify and Evaluate polynomials, expressions and Linear Equations and Inequalities.

Supplies Needed:

Notebook

Pencils and/or pens

Basic Calculator

Course Requirements: Students will be required to:

Complete daily work in and out of class.

Take notes on class lectures and complete Guided Notes.

Take chapter tests and quizzes.

Grading: Letter grades will be given on the following percentages:

A	94-100	C	74-76
A-	90-93	C-	70-73
B+	87-89	D+	67-69
B	84-86	D	64-66
B-	80-83	D-	60-63
C+	77-79	F	0-59

*Generally daily assignments will be worth 10 points, and there are usually 6-8 per chapter. The quizzes will be worth 50 points, and the chapter test will be worth 100 points.

*Late assignments will not receive full credit.

*If you are absent for any reason, it is your responsibility to find out what you missed and make it up within 2 days for each absence without losing points.

*Quarterly and final grades will be based on total points.

***ALL WORK MUST BE COMPLETED IN PENCIL. NO CREDIT WILL BE GIVEN FOR WORK DONE IN PEN.**

Classroom Policies: (ABSOLUTELY NO CELL PHONES OR EARBUDS OF ANY SORT)

- Cell phones WILL be stored in phone pocket holder at all times.....no exceptions!!
- Be on time.....Be prepared.....learn something every day!!
- BE RESPECTFUL!!!!

Course Outline:

Chapter 1: Variables, Expressions, and Integers

Chapter 2: Solving Equations

Chapter 3: Multi-Step Equations and Inequalities

Chapter 4: Factors, Fractions, and Exponents

Chapter 5: Rational Numbers and Equations

Chapter 6: Ratio, Proportion, and Probability

Chapter 7: Percents

Chapter 8: Linear Functions

Chapter 9: Real Numbers and Right Triangles

Chapter 10: Measurement, Area, and Volume

Chapter 11: Data Analysis and Probability

Chapter 12: Polynomials and Nonlinear Functions

Chapter 13: Angle Relationships and Transformations

Final Grading: These grades will be based on a combination of tests, quizzes, daily assignments in/out of class and will be based on total cumulative points.

60% Summative Assessments (tests and quizzes)

40% Formative Assessments (daily assignments)