Intermediate Algebra B Lesson plans 2024 SS2

Students will learn how to solve many types of equations including one-step, two-step, multi-step, find the slope of a line in a variety of situations (including parallel and perpendicular slopes), write linear equations, solve diamond problems, and solve quadratics. The students will work on daily multiple algebra concepts.

Class Work is done in class on the day it is assigned. Homework is to be turned in on the date due. Quizzes and Tests are to be done in class. Homework, Quizzes, and Tests need to be turned in with a passing grade to receive the credit. If you are absent, you are still responsible for completing the work. All lessons, quizzes, and tests must be completed and passed with at least 60%.

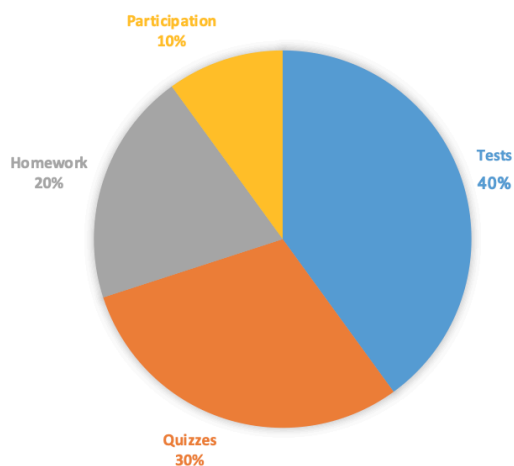| Power Standards	
Algebraic Operations Linear Equations and Functions Linear Inequalities Systems of Linear Equations Nonlinear Equations and Functions Properties of Exponents	Perimeter, Area, and Geometric Formulas Analytical Geometry (Coordinate plane)- Transformations, Slope, Distance, Midpoint Triangle Properties (Lengths, Angles, Right Triangle Trigonometry, Pythagorean Theorem) Angle Properties (90°, 180°, 360°, vertical, complementary, supplementary) Parallel Lines and Angles Segment Length Units of Measure

Grading
Tests - 40% Quizzes - 30% Homework - 20% Participation - 10%

GRADE COMPOSITION

Participation 10%

Homework 20%

Tests 40%

Quizzes 30%

Wk 1	Monday July 1	Tuesday	Wednesday	Thursday Independence Day
Day	1	2	3	No school
Learning Target	I can solve one-step equations. I can evaluate expressions.	I can solve two-step equations. I can evaluate expressions.	I can solve multi-step equations. I can evaluate expressions.	
Homework	Day 1	Day 2	Day 3	
Videos	How to Solve One-Step Equations	One-Step Equation Steps	Math with Mr. J 6:53		Solving Multi-Step Equations 8:29	
Quiz				
Test				

Wk 2	Monday July 8	Tuesday	Wednesday	Thursday	Friday
Day	4	5	6	7	8
Learning Target	I can solve mulit-step equations. I can evaluate expressions.	I can find the slope from a graph.	I can find the slope from two points. I can find parallel and perpendicular slopes.	I can find the slope from an equation.	I can graph lines using slope-intercept form
Homework	Day 4	Day 5	Day 6	Day 7	Day 8
Videos		Given a Graph, Find the Slope. 1:45	Learn how to find the slope between two points 1:37	How to Find the Slope from an Equation 2:02 Parallel and Perpendicular Lines 4:19	Slope Intercept Form - Understand In 10 Minutes 13:27
Quiz		Quiz 1			
Test				Test 1	

Wk 3	Monday July 15	Tuesday	Wednesday	Thursday
Day	9	10	11	12
Learning Target	I can graph a parabola. I can add, subtract, and multiply binomials. I can solve a diamond problem.	I can solve diamond problems.	I can solve tougher diamond problems.	I can factor quadratics.
Homework	Day 9	Day 10	Day 11	Day 12
Videos	Diamond Problems 5:07	Diamond Problems 4:26	Integer Diamond Problems 5:49	Factoring Trinomials Box/Diamond Method (a = 1) 14:56
Quiz		Quiz 2		
Test				

Wk 4	Monday July 22	Tuesday	Wednesday	Thursday
Day	13	14	15	16
Learning Target	I can factor quadratics.	I can factor quadratics.	I can use the Quadratic Formula.	All makeup time and work is due
Homework	Day 13	Day 14	Day 15	
Videos	Factoring Trinomials (ax^2 + bx + c) using Diamond & XBox Method 2:18	Diamond Method Factoring 4:07	The Quadratic Formula 5:55	
Quiz				
Test	Test 2			