

Name: Langteau		Grading Quarter: 2	Week Beginning: Week 14
School Year: 2024-2025		Subject: Algebra 1	
Monday	Notes:	<p>Objective:</p> <ul style="list-style-type: none"> Students will be able to explain the concept of slope as a rate of change. Students will be able to write equations in slope-intercept form. <p>Lesson Overview:</p> <ul style="list-style-type: none"> Bellwork: Students will solve a few problems related to rate of change and slope from previous lessons. Introduce slope using real-world examples (e.g., speed, elevation) and the formula $m = \frac{y_2 - y_1}{x_2 - x_1}$ Explain the slope-intercept form $y = mx + b$, discussing the meaning of m (slope) and b (y-intercept). Provide practice calculating slope from a graph and writing equations in slope-intercept form. Exit Ticket: Students will write a brief explanation of how to find the slope from a graph and create a slope-intercept equation from a given slope and y-intercept. 	<p>Academic Standards:</p> <p>A.APR.1 A.CED.2</p>
Tuesday	Notes:	<p>Objective:</p> <ul style="list-style-type: none"> Students will be able to identify and use point-slope form to write equations of lines. Students will be able to convert between point-slope form and slope-intercept form. <p>Lesson Overview:</p> <ul style="list-style-type: none"> Bellwork Introduce point-slope form $y - y_1 = m(x - x_1)$ and its use when given a point and a slope. Provide examples of writing equations in point-slope form and converting them to slope-intercept form. Engage students in collaborative practice where they create equations using point-slope form from given points. Exit Ticket: Students will write an equation in point-slope form given a specific slope and a point on the line. 	<p>Academic Standards:</p> <p>A.CED.2 A.REI.11</p>

Wednesday	Notes:	<p>Objective:</p> <ul style="list-style-type: none"> Students will be able to write linear equations in various forms from context and points. Students will be able to graph linear equations accurately on the coordinate plane. <p>Lesson Overview:</p> <ul style="list-style-type: none"> Bellwork: Quick review of point-slope and slope-intercept forms through a mini quiz or matching activity. Review how to write equations given the slope and a point or two points. Demonstrate how to graph equations in slope-intercept and point-slope forms. Provide guided practice with real-world problems to write and graph linear equations. Exit Ticket: Students will solve a word problem by writing and graphing the corresponding linear equation. 	<p>Academic Standards:</p> <p>A.CED.2 A.REI.10</p>
Thursday	Notes:	<p>Objective:</p> <ul style="list-style-type: none"> Students will be able to solve systems of linear equations graphically. Students will be able to understand and graph linear inequalities. <p>Lesson Overview:</p> <ul style="list-style-type: none"> Bellwork: Introduce systems of equations, demonstrating how to find the intersection point graphically. Explain linear inequalities and how to graph them, including shading the appropriate region. Engage students in practice with both systems of equations and inequalities, including word problems. 	<p>Academic Standards:</p> <p>A.CED.3 A.REI.12</p>
Friday	Notes:	<p>Objective:</p> <p>Lesson Overview:</p> <p>No School- Professional development</p>	<p>Academic Standards:</p>