Name: Langteau	**Grading Quarter:** 3		**Week Beginning:** week 5
School Year: 2024/2025	**Subject: Algebra 1**		

	Notes:		
Monday	Notes:	**Objective:** Students will be able to solve systems of linear equations by graphing and interpret the intersection as the solution. **Lesson Overview:** Students will learn how to solve systems of linear equations by graphing and identifying the intersection point as the solution. The lesson will begin with a review of graphing linear equations, followed by an introduction to systems of equations and their possible solutions. Students will practice graphing two equations on the same coordinate plane and interpreting their points of intersection. They will complete guided and independent practice to reinforce their understanding.	Academic Standards: A1.A-REI.C.6
Tuesday	Notes:	**Objective:** Students will be able to solve systems of linear equations using the substitution method. **Lesson Overview:** Students will explore the substitution method as an algebraic approach to solving systems of equations. The lesson will begin with a step-by-step demonstration of substituting one equation into another to find the solution. Students will practice recognizing when substitution is the most efficient method and apply it to various problem sets. Independent practice will help them solidify their skills in solving systems algebraicall	Academic Standards: A1.A-REI.C.6
Wednesday	Notes:	**Objective:** Students will be able to solve systems of linear equations using elimination through addition and subtraction. **Lesson Overview:** Students will learn how to use the elimination method by adding or subtracting equations to eliminate a variable and solve for the system's solution. The lesson will include a demonstration of solving systems where coefficients are already aligned, as well as cases where equations need to be adjusted by multiplication. Guided and independent practice will help students develop fluency with this method.	Academic Standards: A1.A-REI.C.5

	Notes:	Objective: Students will be able to graph and solve systems of linear inequalities in two variables. Lesson Overview: Students will extend their understanding of systems by learning how to graph and interpret solutions to systems of linear inequalities. The lesson will begin with a review of graphing single linear inequalities, followed by an explanation of how solution sets are represented as shaded regions. Students will practice graphing multiple inequalities and identifying overlapping solution areas.	Academic Standards: A1.A-REI.D.12
Thursday			
Friday	Notes:	Objective: Students will demonstrate their understanding of solving systems of equations and inequalities through various methods. Lesson Overview: Students will review all methods for solving systems of equations and inequalities through guided discussions and practice problems. The review will reinforce key concepts and allow students to ask questions before completing an assessment. The assessment will evaluate their ability to apply graphing, substitution, elimination, and inequality-solving methods accurately.	Academic Standards: A1.A-REI.C.6, A1.A-REI.D.12