	Name: Woods	Grading Quarter: 1		Week Beginning: 9/23/24
	School Year: 24-25		Subject: Algebra 2	

	Notes:		Academic Standards:
Monday		Objective: Students will be able to solve systems of equations algebraically. Lesson Overview: Notes – elimination and substitution as methods for solving systems. Discuss what the algebraic answers of a=a or a=b mean in the context of the graphs (infinite solutions or no solutions)	A.CED.2 Create equations in two or more variables to represent relationships between quantities; graph equations on coordinate axes with labels and scales.
Tuesday	Notes:	Objective: Students will be able to solve systems of equations algebraically. Lesson Overview: Mixed review; students have the option of solving by graphing, elimination, or substitution. Discuss what makes one method preferable to another.	Academic Standards: A.CED.2 Create equations in two or more variables to represent relationships between quantities; graph equations on coordinate axes with labels and scales.
Wednesday	Notes:	Objective: Students will be able to solve systems of inequalities. Lesson Overview: Notes – dashed vs solid and shaping up or down. Discuss what solution sets look like based on the direction of the inequalities.	Academic Standards: A.CED.3 Represent constraints by equations or inequalities, and by systems of equations and/or inequalities, and interpret solutions as viable or non-viable options in a modeling context.
Thursday	Notes:	Objective: Students will be able to solve optimization problems. Lesson Overview: Define optimization problems – finding maximums, minimums, and break-even points. Show how these problems relate to concepts of linear equations and inequalities. Use technology (graphing calculators) to solve.	Academic Standards: A.CED.3 Represent constraints by equations or inequalities, and by systems of equations and/or inequalities, and interpret solutions as viable or non-viable options in a modeling context.
Friday	Notes:	Objective: Students will be able to solve systems of inequalities. Lesson Overview: Practice on Kahoot	Academic Standards: A.CED.3 Represent constraints by equations or inequalities, and by systems of equations and/or inequalities, and interpret solutions as viable or non-viable options in a modeling context.