Algebra II Honors **Chapter 1** **Analyzing Equations and Inequalities**
Chapter 2 **Graphing Linear Relations and Functions**

DATE	OBJECTIVES	ASSIGNMENT
F 8/26 through Th 9/1	Review summer honors work Chapter 1: Evaluate and simplify expressions using order of operations Use the properties of real numbers Display and interpret data using line plots and stem-and-leaf plots Find and use mean, median, and mode to interpret data Solve equations Solve and graph inequalities Solve and graph equations and inequalities containing absolute value Chapter 2: State the domain and range of a relation Determine if a relation is a function Find values of functions given elements of the domain Graph equations and inequalities on the coordinate plane Determine the slope of a line Write linear equations in slope-intercept form and standard form	
F 9/2	**Test – Chapters 1 & 2 (summer work) (90 pts)**	
T 9/6	Solve real-world applications	Pg 58 #71-75
W 9/7	Determine if two lines are parallel, perpendicular, or neither Write equations of parallel and perpendicular lines	Pg 93 #39,40,41,42,50
F 9/9	Model real-world data using scatter plots Write and use prediction equations	Pg 99 #11
M 9/12	Same as 9/9	Pg 99 #12; Pg 107 #47
F 9/16	**Quiz – Scatter Plots (section 2.5)**	

Algebra II **Chapter 3** **Solving Systems of Linear Equations and Inequalities**

DATE	OBJECTIVES	ASSIGNMENT
M 9/19	Solve systems of equations by graphing Use the terms consistent, inconsistent, dependent, independent	Pg 130 #16,17,18,20,23,27
T 9/20	Solve systems by elimination	Pg 137 #21,22,23,25,28,29,35
W 9/21	Solve systems by substitution	Pg 137 #15,16,18,19,27,30,31,36
Th 9/22	Use elimination and substitution to solve systems	Practice Worksheet
F 9/23	**Quiz – Elimination and Substitution (section 3.2)**	
M 10/3	Find the value of 2^{nd} order determinants Solve systems of equations by using Cramer's Rule	Pg 144 #13,14,16,19,22,25,27
T 10/4	Solve systems of inequalities by graphing	Pg 151 #13,16,19,22,27
W 10/5	Find the maximum and minimum values of a function over a region by using linear programming techniques	Pg 157 #14,15,19,21
Th 10/6	Solve problems involving maximum and minimum values by using linear programming techniques	Worksheet (1) – Linear Programming Applications
F 10/7	Solve problems involving maximum and minimum values by using linear programming techniques	Worksheet (2) – Linear Programming Applications
M10/10	Solve problems involving maximum and minimum values by using linear programming techniques	Study for quiz!
T 10/11	**Quiz – Linear Programming (section 3.6)**	
W10/12	Solve a system of three equations in three variables	Finish system (on board) using Cramer's Rule