

St. Matthew Catholic School	Subject: Algebra I (HS Algebra 1,2)	Teacher: Mr. Boegel Mr. Motamed
	Unit 03 – Writing, Graphing, Solving and Analyzing System of Linear Equations and Inequalities	

<i>Timeline:</i>	<i>PEARL, Character Traits</i>	<i>Common Core Standards</i>	<i>"I Can" Statements</i>	<i>Content</i>	<i>Skills</i>	<i>Assessment</i>	<i>Instructional Strategies & Resources</i>
January 6 to February 14, 2014	L6 L3 P1 Compassion Integrity Sincerity Being Safe Selflessly Helpful Respect Responsible	8.EE 7, 8 (Simultaneous Linear Equation)	-- I can identify intersection point created by two lines graphically. -- I can write system of eqns. (two eqns. and two variables) -- I can solve mathematically system of linear eqns. by substitution method. -- I can solve mathematically system of linear eqns. by addition or subtraction. -- I can solve mathematically system of linear eqns. by linear combination. -- I can use linear model and set up system of eqns. to solve word problems. -- I can graph and analyze system of linear inequalities	Graph system of two equations and two variable, and find the intersection point. Solve solutions to system of linear equations by substitution, addition or subtraction or linear combination method. Set up linear model and solve word problems. Set up and graph system of inequalities. Analyze graphically simple linear programming (simple optimization cases)	-- Graph two intersecting lines and identify the point of intersection. -- Solve system of linear equations by substitution method. -- Solve system of linear equations by addition and subtraction method. -- Solve system of linear equations by linear combination method. -- Graph and identify feasible solutions to system of linear inequalities. -- Set up system of equations by use of linear model. Solve and analyze viable solutions. -- Graphically, by use of Excel, solve and analyze simple linear programming problems.	-- Informal QA in the class -- Daily single question and discussion -- Successfully complete and turn in HW's (~ 1 to 2 per week) -- Successfully complete Quizzes -- Successfully (~ 1 per week) complete unit assessment (~ 1 per month) -- Quizzes and Tests are designed to evaluate, reinforce and provide feedback on all the skills stated in this unit.	-- Text Book, Chapter 7 -- Worksheet (posted) -- Mr. Motamed's website: www.MrMTeaching Math.com -- Class Notes (posted) -- Mixed Review -- Worksheets from Punch line Algebra, Marcy Mathworks -- Math Circle -- Peer-Peer Teaching

EE= Expressions and Equations SSE= Seeings Structure in Expression CED= Creating Equation REI= Reasoning with Equations and Inequalities RP= Ratios and Proportional Relationships
Text Book: Mathematics Concepts and Skills, Course 1; Larson, Boswell, Kanold, Stiff; McDougal Littell