

**Four Week Unit Design — Elementary Algebra: The Algebra of Straight Lines**

Week	Session	M	T	W	Th	F	
ONE 1/30/2012 to 2/3/2012		<b>Theme I: Coordinate system and points</b>					
	AM	Overview Lesson	• Lesson 1: Coordinate systems	• Review Hmwk • Lesson 2: Plotting sets of points	• Review Hmwk • Review for Quiz	Quiz	
	Eve	Prepare for week	Hmwk	Hmwk	Review for quiz	Prepare for week	
TWO 2/6/2012 to 2/10/2012		<b>Theme II: Graphing lines</b>					
	AM	• Review • Lesson 3: Straightness	• Review Hmwk • Introduction to project	• Review project • Lesson 4: Exploring lines with graphing calculator	• Review Hmwk • Review for Quiz	Quiz	
	Eve	Hmwk	Project work	Hmwk	Review for quiz	Prepare for week	
THREE 2/13/2012 to 2/17/2012		<b>Theme III: Line properties</b>					
	AM	• Review • Lesson 5: Lines that do not go through (0,0)	• Review Hmwk • Project work	• Review project • Lesson 6: Two points determine a line	• Review Hmwk • Review for Quiz	Quiz	
	Eve	Hmwk	Project work	Hmwk	Review for quiz	Prepare for week	
FOUR 2/20/2012 to 2/24/2012		<b>Theme IV: Applied algebra in projects</b>					
	AM	Project work	Project work	Final Presentations	Final Presentations	Celebration	
	Eve	Project work	Project work	Project work	Random Act of Kindness		

50 min/day 5 days / week, 4 weeks

Materials for preparing for work and homework will be provided, includes video lectures, online exercises and exercises from textbook.

Project related to unit material, guided in class.