Unit 4: Functions and Linear Functions
This unit should take 5 weeks to complete. Due Date: February 12, 2016

Standard Learning Target(s) (LT's)	How will you demonstrate an understanding of one or several of the following standards? You may choose the left column or the right. Make sure to mark off each objective or standard met. You must pass 3 of the lessons (per standard).	Quiz or Project Grade Mastery
MGSE8.F.1 I am able to understand that a function is a rule that assigns to each input exactly one output.	**Edgenuity Lesson:** LGMS – 8th Grade – F1: U4 Introduction to Functions - Keim **Coach Book:** Lesson 13 pg. 78-81 **Carnegie Learning Book Volume 1:** Lessons 10.3&10.4 pg445-468 **Math In Focus:** Lessons 11.3 and 11.4 **Frameworks:** Foxes and Rabbits, Order Matters, Secret Codes and Number Rules, Vending Machines, Which is Which **PBL:** Linear Equations	Edgenuity: _____ Coach Book: _____ Carnegie: _____ Math in Focus: _____ Frameworks: _____ PBL: _____
MGSE8.F.2 I am able to compare properties of two functions each represented in a different way.	**Edgenuity Lesson:** LGMS – 8th Grade -F2: U4 Functions - Keim **Coach Book:** Lesson 14 pg. 82-85 **Math In Focus:** Lesson 6.4 **Frameworks:** Order Matters, Secret Codes and Number Rules, Vending Machines, Which is Which **PBL:** Linear Equations	Edgenuity: _____ Coach Book: _____ Math in Focus: _____ Frameworks: _____ PBL: _____
MGSE8.EE.5 I am able to graph proportional relationships, interpret the unit rate as the slope of the graph, and compare two different relationships that are represented in different ways.	**Edgenuity Lesson:** LGMS - 8th Grade - EE5: U4 - Keim **Coach Book:** Lesson 7 pg. 40-45 **Carnegie Learning Book Volume 1:** Lesson 11.1 - 11.6 pg 505 – 586 **Math In Focus:** Lessons 3.3, 3.4, 4.1, 4.4, and 4.5 **Frameworks:** By the Book, What's My Line, Filling the Tank **PBL:** Linear Equations	Edgenuity: _____ Coach Book: _____ Carnegie Book: _____ Math in Focus: _____ Frameworks: _____ PBL: _____

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MGSE8.EE.6 I am able to: use similar triangles to explain why the slope is the same between any two distinct points on a non-vertical line in the coordinate plane, derive the equation y=mx for a line through the origin, and derive the equation y=mx+b for a line intercepting the vertical axis at b.	**Edgenuity Lesson**: LGMS – 8th Grade - EE6: U4 Functions - Keim **Coach Book**: Lesson 8 pg. 46--51 **Carnegie Learning Book Volume 1**: Lesson 3.2, 3.3 pg. 97- 120 **Math In Focus**: Lessons 4.1, 4.2, 4.3, 4.4, and 10.2 **Frameworks**: By the Book, What's My Line **PBL**: Linear Equations	Edgenuity: _____ Coach Book: _____ Carnegie Book: _____ Math in Focus: _____ Frameworks: _____ PBL: _____
MGSE8.F.3 I am able to interpret the equation y=mx+b as defining a linear function, whose graph is a straight line.	**Edgenuity Lesson**: LGMS – 8th Grade - F3: U4 Functions - Keim **Coach Book**: Lesson 15 pg. 86-89 **Carnegie Learning Book Volume 1**: Lesson 11.6, pg. 573-586 **Math In Focus**: Lessons 6.2 and 10.2 **Frameworks**: By the Book, What's My Line, Filling the Tank **PBL**: Linear Equations	Edgenuity: _____ Coach Book: _____ Carnegie Book: _____ Math in Focus: _____ Frameworks: _____ PBL: _____

Unit 4 Common Formative Assessment (CFA) will be February 12th. Please make sure all assignments are completed by this date. You may finish earlier and move on to the next unit at your leisure any time prior to this date. Any assignments not completed by this date will count as zeros because Unit 5 will need to begin on February 23rd in order to complete all necessary material prior to year-end testing. Corrections can be made throughout the year (after meeting with the teacher) as students feel more comfortable with each standard.