Geometry Unit 1 Teacher Calendar - Transformations in the Coordinate Plane Calendar:
8/7/2017 – 8/25/2016

Standards	Essential Question		Date	In Class/Assignment*	Homework	Notes
MGSE9–12.G.CO.1 Know precise definitions of angle, circle, perpendicular line, parallel line, and line segment, based on the undefined notions of point, line, distance along a line, and distance around a circular arc. **MGSE9–12.G.CO.4** Develop definitions of rotations, reflections, and translations in terms of angles, circles, perpendicular lines, parallel lines, and line segments.	What key vocabulary do you need to know for this know? How do you move a figure using translation?	M	8/9	Syllabus and Vocabulary	Vocabulary HW	-Vocabulary Powerpoint - Vocabulary Practice
MGSE9–12.G.CO.2 Represent transformations in the plane using, e.g., transparencies and geometry software; describe transformations as functions that take points in the plane as inputs and give other points as outputs. Compare transformations that preserve distance and angle to those that do not (e.g., translation versus horizontal stretch). **MGSE9–12.G.CO.3** Given a rectangle, parallelogram, trapezoid, or regular polygon, describe the rotations and reflections that carry it onto itself. **MGSE9–12.G.CO.5** Given a geometric figure and a rotation, reflection, or translation, draw the transformed figure using, e.g., graph paper, tracing paper, or geometry software. Specify a sequence of transformations that will carry a given figure onto another.	How do you reflect a figure across the x-axis, y-axis, and y=x?	Tu	8/10	Translations	Translations HW	- Translations Guided Practice - Translations Practice
	Is there more than one way to rotate a geometric figure?	W	8/11	Reflections of geometric figures	Reflections HW	- Reflections Guided Practice - Reflections Practice
	How do you identify combinations of translations, reflections, and rotations?	Th	8/12	Rotations	Rotations HW	- Rotations Guided Practice - Rotations Practice -Kahoot on Transformations
	How do you dilate a figure?	F	8/13	Dilations	Dilations	- Dilations Guided Practice - Dilations Practice
		M	8/16	Card Sort		Flex Day

How do you translate, reflect, rotate, and dilate a figure?	Tu	**8/17**	Mixed Practice	Mixed Practice HW	-Differentiation Day; students will be placed in groups based on need for certain transformations
	W	**8/18**	**Quiz**		
	Th	**8/19**	MAP Testing		
	F	**8/20**			
How do you do transformations not about the origin?	M	**8/23**	Reflections #2	Reflections #2 HW	- Reflections Guided Practice - Reflections Practice
	T	**8/24**	Rotations #2	Rotations #2 HW	- Rotations Guided Practice - Rotations Practice
	W	8/25	Practice/Review	Practice	
How do you identify combinations of translations, reflections, and rotations?	Th	**8/26**	Combinations #1	Combinations #1 HW	- Combinations Guided Practice - Combinations Practice
	F	**8/27**	Combinations #2	Combinations #2 HW	- Combinations Guided Practice - Combinations Practice -TOTD
	M	8/30	BOS	Mixed Review	Flex Day
What do I need to know to exceed Unit 1 standards?	Tu	8/31	Review	Test Guide	
	W	**9/1**	**Test**	**EOC Review**	