

Name: Jason Hisle		Grade: 8
Subjects Taught: Algebra and Math 8		Week of: 1/12-1/16
If you have questions, please contact me via phone or email listed below.		
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Please note: Lesson plans are subject to change without notice.		
	Algebra 1 (MOD 2/3)	Math 8 (MODS 4/5 and 6/7)
Monday	Goal: I can find the domain of a function Bell Work: Rules of a Function Class work: Function Inputs and Outputs Homework: N/A	Goal: I can describe reflection and rotation symmetries in kaleidoscope designs Bell Work: Rotations Class work: Kaleidoscope symmetries Homework: N/A
Tuesday	Goal: I can graph a function and determine if a relationship is a function from its graph Bell Work: Finding Domain of a Function Class work: Graphing Functions Homework: N/A	Goal: I can recognize and describe translation symmetry Bell Work: Kaleidoscope symmetries Class work: Translations Homework: N/A
Wednesday	Goal: I can determine if a table represents a function Bell Work: Graphing a Function Class work: Functions in Tables Homework: N/A	Goal: I can recognize and describe translation symmetry find the reflection image of a figure given a line of reflection Bell Work: Translations Class work: Describing Line reflections Homework: N/A
Thursday	Goal: I can calculate the outputs of a recursive rule Bell Work: Finding a Function from a Table Class work: Constant Differences Homework: N/A	Goal: I can find the center and angle of rotation given a figure and its rotation image Bell Work: Line Reflections/ Rotations Class work: Describing Rotations Homework: N/A
Friday	Goal: I can determine whether a table represents a linear function Bell Work: Quiz Class work: Recursive Rules Homework: N/A	Goal: I can find the magnitude and direction of a translation given a figure and its translation image Bell Work: Quiz Class work: Describing Translations Homework: N/A
Essential Question(s)	Algebra: What equation/inequality best models the data? How do the characteristics help me make predictions? What is the relationship between these values? How do I classify, interpret, and compare equations? How do I solve an inequality? Math 8: How do I use measurements of a shape to find additional information? What is the theorem necessary to solve this problem? How do I classify sets of numbers?	

	How do I use my understanding of numbers to estimate, perform operations, and solve problems?
Kagan	Think, Pair, Share; RallyCoach; Sage and Scribe
Summarizing	Math Reflection
Course/Grade Level Standard:	<p>Algebra:</p> <p>MA.ALG1.SMP: Incorporate Mathematical practices</p> <p>MA.ALG1.N-Q.2: Define appropriate quantities for the purpose of descriptive modeling</p> <p>MA.ALG1.N-Q.3: Choose a level of accuracy appropriate to limitations on measurement when reporting quantities</p> <p>MA.ALG1.A- CED.2: Create equations in two or more variables to represent relationships between quantities; graph equations on coordinate axes with labels and scales</p> <p>MA.ALG1.A- CED.3: Represent constraints by equations or inequalities, and by systems of equations and/or inequalities, and interpret solutions as viable or non-viable options in a modeling context</p> <p>MA.ALG1.F-IF.6: Calculate and interpret the average rate of change of a function over a specified interval. Estimate rate of change from a graph</p> <p>MA.ALG1.A-REI.3: Solve linear equations and inequalities in one variable</p> <p>MA.ALG1.A-REI.6: Solve systems of linear equations exactly and approximately focusing on pairs of linear equations in two variables.</p> <p>MA.ALG1.A-REI.11: Explain why the x-coordinates of the points where the graph of the equations $y=f(x)$ and $y=g(x)$ intersect are the solutions of the equation $f(x)=g(x)$ find the solutions approximately</p> <p>Math 8:</p> <p>MA.08.SMP: Incorporate mathematical practices</p> <p>MA.08.NS.1: Know that numbers that are not rational are called irrational. Understand informally that every number has a decimal expansion</p> <p>MA.08.NS.2: Use rational approximations of irrational numbers to compare the size of irrational numbers, locate them approximately on a number line diagram</p> <p>MA.08.G.6: Explain a proof of the Pythagorean Theorem and its converse</p> <p>MA.08.G.7: Apply the Pythagorean Theorem to determine unknown side lengths in right triangles in real-world and mathematical problems in two and three dimensions</p> <p>MA.08.G.8: Apply the Pythagorean Theorem to find the distance between two points in a coordinate system</p>
Additional Notes:	