Austrin Johnson Pre-Algebra Lesson Plans

These lesson plans are subject to change due to scheduling.

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Unit 1 - The Real Number System

Standards:

8.NS.1—Every number has a decimal expansion and rational numbers terminate or repeat.
8.NS.2—Use rational approximations of rational numbers to compare. Evaluate irrational numbers in expressions.
8.EE.1—Apply integer properties with exponents, including negative exponents.
8.EE.2 - Evaluate square roots of small perfect squares and cube roots of small perfect cubes.
8.EE.3—Analyze quantities written in scientific notation to compare values greater than or less than.

Date	Objective	Activities and *Assessments*
8/25/16	Students will review operations with integers and absolute value.	Absolute Value whiteboard problems. Integer Math-O
8/26/16	Students will convert between fractions, decimals, and percents.	FDP Notes **U1HW2 - Percents, Decimals, and Fractions** Quiz #1 - Integer Operations
8/29/16	Students will add and subtract fractions and mixed numbers with both like and unlike denominators.	Adding and Subtracting Fractions Notes **U1HW3 - Adding and Subtracting Fractions**
8/30/16	Students will multiply and divide fractions and mixed numbers with both like and unlike denominators.	Multiplying and Dividing Fractions Notes **U1HW4 - Multiplying and Dividing Fractions** Quiz #2 - FDF
8/31/16	Students will review operations with fractions.	Fraction Operation Math-O
9/1/16	Students will rewrite expressions using exponents and evaluate expressions using exponents.Students will evaluate squares, cubes, and roots.	Exponents Notes Squares, Cubes, and Roots Notes **U1HW5 - Exponents** Quiz #3 - Fraction Operations
9/2/16	Students will work on exponents, squares, cubes, and roots.	**U1HW6 -Squares, Cubes, and Roots** Work Day Ms J Gone 9/2
9/5/16	No School	No School
9/6/16	Students will review operations with fractions, integers, and absolute value.	Fraction, Integer, Absolute Value Operations Review Ms. J Gone 9/6
9/7/16	Students will write numbers in Standard and Scientific Notation. They will order numbers written in various notations. They will compare and order numbers written in different notation.	Scientific Notation and Ordering Notes **U1HW7 - Scientific Notation and Ordering**
9/8/16	Students will evaluate expressions using Order of Operations (PEMDAS)	**U1HW7 - Scientific Notation and Ordering** Work Time Quiz #4 - Squares, Cubes, Roots, Exponents
9/9/16	Students will order and compare Fractions, Decimals, Percents, and Scientific Notation.	Comparing Fractions, Decimals, Percents, and Scientific Notation Math Lib Ms J gone 9/9 in afternoon
9/12/16	Students will evaluate expressions using Order of Operations (PEMDAS)	**U1HW8 - PEMDAS Notes** Quiz #5 - Scientific Notation vs. Standard Form
9/13/16	Students will review PEMDAS	PEMDAS Mad Lib Activity

9/14/16	Students will evaluate algebraic expressions with defined variables using order of operations.	Evaluating Expressions Notes **U1HW9 - Evaluating Expressions** Quiz #6 - PEMDAS
9/15/16	Students will review evaluating expressions.	Evaluating Expressions Scavenger Hunt
9/16/16	Students will review Exponents, Squares, Cubes, Roots, Scientific Notation. They will order, compare, and simplify.	Exponents, Squares, Cubes, Roots, Scientific Notation Review Worksheet Quiz #7 Evaluating Expressions Ms J Gone 9/16
9/19/16	No School	PIR Day
9/20/16	Students will review order of operations, evaluating expressions, and solving 1-step equations.	"A Rolling Review" over PEMDAS, evaluating expressions, and 1-step equations. (1st only) Real Number System Notes **U1HW10 - Real Number System** (4th and 7th period only!) MAP Testing 3rd and 4th period 9/20
9/21/16	Students will name numbers in the Real Numbers System.	Real Number System Notes **U1HW10 - Real Number System** (1st and 3rd only) "A Rolling Review" over PEMDAS, evaluating expressions, and 1-step equations. (4th only) MAP Testing 7th - 9th Period 9/21
9/22/16	Students will review order of operations, evaluating expressions, and solving 1-step equations. Students will name numbers in the Real Numbers System.	"A Rolling Review" over PEMDAS, evaluating expressions, and 1-step equations. (7th only) Unit 1 Review Assignment (3rd and 4th only) MAP Testing 1st-2nd Period 9/22 Ms. J Gone 9/22 XC in the afternoon
9/23/16	Students will review material covered in Unit 1	Unit 1 Review Assignment (1st and 7th) MAP Testing 3rd and 4th period 9/23 Ms. J Gone 9/23 XC
9/26/16	Students will identify properties of Real Numbers.	**U1HW11 - Properties of Real Numbers** Quiz #8 - Real Numbers
9/27/16	Students will review properties of Real Numbers	Properties Spin to Win Activity
9/28/16	Students will review material covered in Unit 1	Unit 1 Review in Class Quiz #9 - Properties
9/29/16	Students will assess their progress over topics covered in Unit 1	Unit 1 Exam Ms J Gone 9/29 XC
9/30/16	Students will assess their progress over topics covered in Unit 1	Unit 1 Exam

Unit 2 - Algebraic Expressions

Standards:

8.EE.1—Apply integer properties with exponents, including negative exponents.

8.EE.3—Analyze quantities written in scientific notation to compare values greater than or less than.

8.EE.4—Perform operations with numbers in scientific notation. Choose appropriate units of measurement to express. Apply scientific notation to extremes of small and large.
8.NS.2—Use rational approximations of rational numbers to compare. Evaluate irrational numbers in expressions.

Date	**Objective**	**Activities and *Assessments***
10/3/16	Students will translate expressions, equations, and inequalities.	U2HW1 - Translating Expressions
10/4/16	Students will combine like terms to simplify algebraic expressions.	U2HW2 - Combining Like Terms Notes Quiz #10 - Translating Equations
10/5/16	Students will review combining like terms	Combining Like Terms Math Lib
10/6/16	Students will combine like terms to simplify algebraic expressions.Students will perform the Distributive Property.	U2HW3 - Distributive Property and Combining Like Terms Simplifying Expressions
10/7/16	Students will review simplifying expressions.	Simplifying Expressions Roll On Activity
10/10/16	Students will factor out the GCF in expressions.	U2HW4 - Factoring Expressions Quiz #11 - Simplifying Expressions/D.P.
10/11/16	Students will add, subtract, and multiply monomials using exponent properties.	U2HW5 - Add, Subtract, and Multiply Monomials
10/12/16	Students will divide monomials using exponent properties.	U2HW6 - Dividing Monomials Quiz #12 - Factoring Linear Expressions
10/13/16	Students will evaluate monomials raised to powers using exponent properties.	U2HW7 - Powers of Monomials
10/14/16	Students will review monomials.	U2HW8 - Review Monomial Operations Ms J Gone 10/14
10/17/16	Students will review monomial operations.	Monomial Operations and Factoring Scavenger Hunt
10/18/16	Students will divide and multiply numbers written in scientific notation	U2HW9 - Multiplying and Dividing Numbers in Scientific Notation Notes Quiz #13 - Exponent Rules
10/19/16	Students will divide and multiply numbers written in scientific notation	U2HW9 - Multiplying and Dividing Numbers in Scientific Notation
10/20/16	No School	No School
10/21/16	No School	No School
10/24/16	Students will add and subtract numbers written in scientific notation	U2HW10 - Adding and Subtracting in Scientific Notation Notes
10/25/16	Students will review operations with scientific notation.	Scientific Notation Operations Review Gone Fishing
10/26/16	Students will add and subtract polynomials.	U2HW11 - Adding and Subtracting Polynomials Quiz #14 - Operations with Scientific Notation
10/27/16	Students will review topics covered in unit 3	Review
10/28/16	Students will review topics covered in unit 3	Review

10/31/16	Students will assess their progress over topics covered in unit 2.	Unit 2 Exam
11/1/16	Students will assess their progress over topics covered in unit 2.	Unit 2 Exam
11/2/16	Students will assess their progress over topics covered in unit 2.	Unit 2 Exam

Unit 3 - Equations and Inequalities

Standards:

8.EE.2 - Use square root and cube root symbols to represent solutions to equations of the form $x^2 = p$ and $x^3 = p$, where p is a positive rational number. Evaluate square roots of small perfect squares and cube roots of small perfect cubes.
8.EE.7—Solve linear equations with one variable. Equations can have one solution, infinite solutions or no solutions. Transform complex equations into simpler forms. Solve linear equations by using distributive property and collecting like terms.

Date	**Objective**	**Activities and *Assessments***
11/3/16	Students will solve one step equations with rational numbers.	U3HW1 - One Step Equations
11/4/16	Students will solve one step equations with rational numbers.	U3HW2 - Rational Equations
11/7/16	Students will solve two-step equations	U3HW3 - Two step Equations Quiz #15
11/8/16	Students will solve two-step equations	U3HW3 Workday Quiz #16
11/9/16	Students will review solving 1 and 2 step equations	1 and 2 step equation math-o
11/10/16	Students will solve equations with squares and square roots.	U3HW4 - Solving Equations by Square Roots
11/11/16	Students will review solving two-step equations.	Two-Step Equation Pluggin Away Relay
11/14/16	Students will solve single variable multi-step equations.	U3HW5 - Multi-Step Equations
11/15/16	Students will solve single variable multi-step equations.	U3HW5 - Multi-Step Equations Work Day Quiz #17
11/16/16	Students will solve equations with variables on both sides.	U3HW6 - Multi-Step Equations with variables on both sides
11/17/16	Students will solve equations with variables on both sides.	U3HW6 - Multi-Step Equations with variables on both sides Work Day
11/18/16	Students will solve equations with infinite or no solutions.	U3HW7 - Equations with Special Solutions
11/21/16	Students will practice solving multi-step equations.	Equation Review Multi-Step Equation Math-o
11/22/16	Students will assess themselves over solving multi-step equations	Quiz #18
11/28/16	Students will review solving equations with fractions.	Solving equations with fractions review
11/29/16	Students will solve equations by removing fractions	U3HW8 - Solving equations by clearing the fractions

	using fraction properties.	
11/30/16	Students will translate phrases into algebraic equations and then solve.	U3HW9 - Translating and Solving Equations
12/1/16	Students will solve word problems using equations.	U3HW10 - Word Problems 1 and 2 steps
12/2/16		Work Day
12/5/16	Students will solve word problems using multi-step equations.	U3HW11 - Word Problems with Multi-Step Equations
12/6/16	Students will solve word problems using multi-step equations.	U3HW11 - Word Problems with Multi-Step Equations Work Day
12/7/16	Students will work with equations on real life applications.	U3HW12 - Equations and Applications Review
12/8/16	Students will begin to solve two-step inequalities.	U3HW13 - Intro to Inequalities - solving 2 step inequalities
12/9/16	Students will practice solving two-step inequalities.	Two-Step Inequalities Math Lib Quiz #19 - Equation Application
12/12/16	Students will solve multi-step inequalities.	U3HW14 - Multi-Step Inequalities
12/13/16	Students will use inequalities to solve word problems.	U3HW15 - Inequality Word Problems
12/14/16	Students will use inequalities to solve word problems.	U3HW15 - Inequality Word Problems Work Day Quiz #20 - Solving Inequalities
12/15/16	Students will review material covered in Unit 3.	Review
12/16/16	Snow Day	Snow Day
12/19/16	Students will review material covered in Unit 3.	Review
12/20/16	Students will assess themselves over material covered in Unit 3.	Unit 3 Exam
12/21/16	Students will assess themselves over material covered in Unit 3.	Unit 3 Exam
12/22/16	Students will use number sense and use of patterns and geometry to construct geometric figures.	String Art

Unit 4 - Ratios, Proportions, and Percents

Standards:

8.F.2—Compare two functions algebraically, graphically, numerically in tables and verbally. Compare to find greater rate of change.

Date	**Objective**	**Activities and *Assessments***
1/2/17	Students will write ratios as fractions in simplest form and determine whether two ratios are equivalent. Students will determine unit rates	U4HW1 - Ratios U4HW2 - Rates and Unit Rates In Class Practice
1/3/17	Students will write ratios as fractions in simplest form and determine whether two ratios are equivalent. Students will determine unit rates	U4HW1 - Ratios U4HW2 - Rates and Unit Rates

1/4/17	Students will determine if a relationship is proportional or nonproportional.	U4HW3 - Proportional vs. Nonproportional Relationships
1/5/17	Students will solve proportions.	U4HW4 - Solving Proportions
1/6/17	Students will use proportions to solve word problems.	U4HW5 - Proportions Word Problems
1/9/17	Students will solve problems using scale drawings and models.	U4HW6 - Scale Drawings and Models
1/10/17	Students will use similar figures to find missing lengths.	U4HW7 - Similar Figures
1/11/17	Students will practice applying the properties of similar figures to find missing lengths and congruent parts.	Similar Figures Gallery Walk
1/12/17	Students will solve problems using indirect measurement.	U4HW8 - Indirect Measurement

Unit 5 - Functions and Linear Relationships

Standards:

8.F.1—Understand the definition of a function. Understand that a function is a set of ordered pairs.
8.F.2—Compare two functions algebraically, graphically, numerically in tables and verbally. Compare to find greater rate of change.
8.F.3—Know that y=mx+b is a linear function. The graph is a straight line. Include examples that are non-linear.
8.F.4—Graph a linear relationship of two variables. Determine rate of change and initial value of the function and interpret the meaning from a graph and a table.
8.F.5—Apply concepts of linear functions to real world problems (rate of change).
8.EE.5—Graph proportional relationships and acknowledge that the unit rate is the slope of the graph.
8.EE.6 - Use similar triangles to explain why the slope m 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 the equation y=mx+b for a line intercepting the vertical axis at b.

Date	**Objective**	**Activities and *Assessments***
1/13/17	Students will plot ordered pairs on a coordinate plane.Students will determine domain and range of a function. Students will determine if a function is a function using the vertical line test and mapping.	U5HW1 - Coordinate Plane, Relations, and Functions
1/16/17	Students will plot ordered pairs on a coordinate plane.Students will determine domain and range of a function. Students will determine if a function is a function using the vertical line test and mapping.	U5HW1 - Coordinate Plane, Relations, and Functions
1/17/17	Students will use a table to graph linear equations.	U5HW2 - Graphing Linear Equations (by table)
1/18/17	Students will determine if a relation is a function or not and establish their reasoning.	Function Card Sort
1/19/17	Students will find values of functions using function notation.	Function Notation Quiz #27
1/20/17	Students will find the slope of a line using a graph.	U5HW3 - Slope from a graph Quiz #28
1/23/17	Students will find the slope of a line using the slope formula.	U5HW4 - The Slope Formula

1/24/17	Students will practice the slope formula in order to solve a riddle.	Slope Formula Riddle ABT in the Morning
1/25/17	Students will use the slope formula for real world applications.	U5HW5 - The Slope Formula Applications
1/26/17	Students will write linear equations from a graph in slope-intercept form.	Slope-Intercept form notes Quiz #29
1/30/17	Students will graph linear equations using the slope-intercept form.	U5HW6 - Slope-Intercept Form Quiz #30
1/31/17	Students will graph linear equations using standard form.	U5HW7 - Standard Form
2/1/17	Students will graph vertical and horizontal lines.	Vertical and Horizontal Lines Notes Graphing linear equations Gallery Walk
2/2/17	Students will use desmos to explore linear equations.	**Desmos Marble Sliders with Linear Equations**
2/3/17	Students will review graphing lines.	U5HW8 - Graphing Lines Review Quiz #31 Ms. J Gone 2/3/17
2/6/17	Students will determine linear and nonlinear relationships.	U5HW9 - Linear vs. Nonlinear Functions
2/7/17	Students will use linear equations to solve real world problems.	U5HW10 - Slope-Intercept Form Applications Quiz #32
2/8/17	Students will match a linear equation, graph, table, domain and range together.	Linear Card Sort and Match
	Students will match a linear equation, graph, table, domain and range together.	Linear Card Sort and Match
2/9/17	Students will write equations in the form of y=kx and establish that k is the slope and the linear relationship always passes through zero.	U5HW11 - Direct Variation Quiz #33
2/10/17	Students will use linear equations and desmos to determine the prices of lego kits.	**Desmos Lego Activity**
2/13/17	Students will review Unit 5	Unit 5 Review Ms. J gone 2/13/17
2/14/17	Students will review Unit 5	Unit 5 Review in class
2/15/17	Students will access their knowledge of unit 5 material.	Unit 5 Test
2/16/17	Students will access their knowledge of unit 5 material.	Unit 5 Test
2/17/17	Students will construct equations for lines using point-slope form.	Point-Slope Form
2/20/17	Students will apply their knowledge of lines to create a logo on Desmos.	Desmos Project in class
2/21/17	Students will apply their knowledge of lines to create a logo on Desmos.	Desmos Project in class
2/22/17	Students will apply their knowledge of lines to create a	Desmos Project *computer day*

	logo on Desmos.	
2/27/17	Students will apply their knowledge of lines to create a logo on Desmos.	Desmos Project computer work day
2/28/17	Students will apply their knowledge of lines to create a logo on Desmos.	Desmos Project computer work day
3/1/17	Students will apply their knowledge of lines to create a logo on Desmos.	Desmos Project computer work day
3/2/17	Students will apply their knowledge of lines to create a logo on Desmos.	Desmos Project computer work day
3/3/17	Students will apply their knowledge of lines to create a logo on Desmos.	Desmos Project computer work day

Unit 6 - Systems of Equations

Standards:

8.EE.8—Solve systems of equations with two variables using algebra and graphing. Solve real world mathematical problems with systems of equations.

Date	Objective	Activities and *Assessments*
3/6/17		**Solving Equations Review Worksheet** **Ms. J Gone 3/6/17**
3/7/17	Students will solve systems of equations by graphing.	U6HW1 - Solving Systems of Equations by Graphing ***March 7th CRT Testing 7th period***
3/8/17	Students will solve systems of equations by graphing.	Solving Systems Desmos Activity 3rd and 4th period U6HW1 - 7th Period U6HW2 - 1st period
3/9/17	Students will solve systems of equations by substitution when the variable is already isolated.	U6HW2 - Solving Systems of Equations by Substitution Day 1 3rd, 4th, 7th ***March 9th CRT Testing 1st period***
3/10/17		Graphing Equations Desmos Polygraph
3/13/17	Students will solve systems of equations by substitution using isolation.	U6HW3 - Solving Systems of Equations by Substitution Day 2
3/14/17	Pi Day	Pi Day!
3/15/17	Students will solve systems of equations by elimination with common coefficients.	U6HW4 - Solving Systems by Elimination Day 1
3/16/17	Students will solve systems of equations by elimination when they must multiply an equation.	U6HW5 - Solving Systems by Elimination Day 2
3/20/17	Students will review all methods for solving systems of equations.	U6HW6 - Review all Methods
3/21/17	Students will apply their knowledge of systems to solve real world word problems.	U6HW7 - Systems of Equations Applications Quiz #34 - Solving Systems all Methods
3/22/17		Applications work day 1,3,4 **March 22nd SBAC Testing 7th-9th Period**

3/23/17	Students will review material covered in unit 6.	Unit 6 Review in class - All Classes
3/24/17	Students will review material covered in unit 6.	Unit 6 Review Assignment - 4th Period, 7th **March 24th SBAC Testing 1st-3rd Period**
3/27/17	Students will assess their knowledge over material covered in unit 6.	Unit 6 Review Assignment 1st, 3rd Unit 6 Test - 4th, 7th
3/28/17	Students will assess their knowledge over material covered in unit 6.	Unit 6 Test 1st, 3rd, 4th **March 28th SBAC Testing 7th- 9th Period**
3/29/17		Unit 6 Test

Unit 7 - Two-Dimensional Geometry

Standards:

8.G.1—Construct translations, rotations, and reflections.
8.G.2—Understand an image is congruent to the original through a translation, reflection or rotation.
8.G.3: Describe the effect of dilations, translations, rotations, and reflections on two-dimensional figure from a variety of cultural contexts, including those of Montana American Indians using coordinates.
8.G.4: Understand that a two-dimensional figure is similar to another if the second can be obtained from the first by a sequence of rotations, reflections, translations, and dilations; given two similar two dimensional figures, describe a sequence that exhibits the similarity between them.
8.G.5: Use informal arguments to establish facts about the angle sum and exterior angle of triangles, about the angles created when parallel lines are cut by a transversal, and the angle-angle criterion for similarity of triangles. For example, arrange three copies of the same triangle so that the sum of the three angles appears to form a line, and give an argument in terms of transversals why this is so. Understand and apply the Pythagorean Theorem.
8.G.6: Explain a proof of the Pythagorean Theorem and its converse.
8.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. For example, determine the unknown height of a Plains Indian tipi when given the side length and radius. 8.G.8: Apply the Pythagorean Theorem to find the distance between two points in a coordinate system.

Date	**Objective**	**Activities and *Assessments***
3/30/17	Students will find angle measures and classify.	Unit 6 Test 1st, 3rd, 7th U7HW1 - Introduction to Angles 4th
3/31/17	Students will define and use vertical, adjacent, complementary, and supplementary angles.	U7HW1 - Introduction to Angles 3rd, 7th U7HW2 - Basic Angle Relationships 4th **March 31st SBAC Testing 1st- Advisory**
4/3/17	Students will apply angle relationships to Algebra.	U7HW1 - Introduction to Angles - 1st U7HW2 - Basic Angle Relationships 3rd, 7th **Angle Activity** 4th
4/4/17	Students will apply angle relationships to Algebra. Students will find corresponding, alternate interior, alternate exterior, and consecutive interior angles.	U7HW3 - Angle Relationships and Algebra U7HW2 - Basic Angle Relationships 1st
4/5/17	Students will study the properties of parallel lines and transversals	U7HW3 - Angle Relationships and Algebra - 1st U7HW4 - Parallel Lines cut by a Transversal
4/6/17	Students will review concepts covered this year	Review Worksheet #1 **April 6th Track Meet**
4/7/17	Students review the properties of a transversal	U7HW4 - Parallel Lines cut by a Transversal Quiz #35 - Angles and Relationships
4/10/17	Students review the properties of a transversal	U7HW4 - Parallel Lines cut by a Transversal - 1st **Transversal Activity**

4/11/17	Students will review concepts covered this year	Review Worksheet #2 **April 11th Track Meet**
4/12/17		**POWER OF ONE**
4/13/17		**POWER OF ONE** **Quiz #36 - Transversals**
4/18/17		**POWER OF ONE**
4/19/17	Students will practice parallel lines and transversals. Students will classify triangles and use the triangle sum theorem. Students will use the Pythagorean Theorem to find missing sides of a triangle and determine if three sides form a triangle.	U7HW6 - Pythagorean Theorem and converse U7HW5 - Classifying Triangles/ Triangle Sum Theorem
4/20/17		Review Worksheet #3 **April 20th Track Meet**
4/21/17		U7HW6 and U7HW5 Workday
4/24/17	Students will use the Pythagorean Theorem to solve word problems.	U7HW7 - Pythagorean Theorem Word Problems
4/25/17	Students will classify quadrilaterals	U7HW8 - Quadrilaterals Quiz #37 - Triangles
4/26/17	Students will discover polygon relationships, sum of interior measures, and congruent polygons.	U7HW9 - Polygons, Sum of Interior Measures, and Congruent Polygons Quiz #38 - Pythagorean Theorem
4/27/17		Blitz Day
4/28/17	Students will review properties of triangles, angles, and pythagorean theorem.	Triangle Review Gallery Walk 1st, 7th **April 28th MAP Testing 3rd-4th Period**
5/1/17	Students will perform reflections in a coordinate plane	U7HW10 - Reflections 1st Triangle Gallery Walk 3rd and 4th **May 1st MAP Testing 7th-8th Period**
5/2/17	Students will perform translations in a coordinate plane	U7HW10 - Reflections 3rd, 4th, 7th **May 2nd MAP Testing 1st-2nd Period**
5/3/17	Students will review the rules of exponents	Exponent properties review Civil War Presentation
5/4/17	Students will perform translations in a coordinate plane.	U7HW11 - Translations Quiz #39 - Quads and Polygons
5/5/17	Students will perform rotations in a coordinate plane	U7HW12 - Rotations
5/8/17	.Students will perform dilations in a coordinate plane.	U7HW13 - Dilations Quiz #40 - Reflections and Translations
5/9/17	Students will perform translations in a coordinate plane.	U7HW14 - Transformations review Quiz #41 - Rotations and Dilations
5/10/17	Students will review transformations.	**Transformations Activity**

5/11/17	Students will review for their test	Unit 7 review Activity
5/12/17	Students will review for their test	Unit 7 review assignment
5/15/17	Students will assess over Unit 7	Unit 7 Test
5/16/17	Students will assess over Unit 7	Unit 7 Test

Unit 8 - Three-Dimensional Geometry

Standards:

8.G.9: Know the formulas for the volumes of cones, cylinders, and spheres and use them to solve real-world and mathematical problems.

Date	**Objective**	**Activities and *Assessments***
5/17/17	Students will assess over Unit 7	Unit 7 Test
5/18/17	Students will find the perimeter and area of various figures, include composite figures.	Perimeter and Area of triangles, quadrilaterals, circles, composite figures Perimeter and Area Activity
5/19/17		Geometry Scavenger Hunt
5/22/17		Wheel of Theodorus
5/23/17		Wheel of Theodorus
5/24/17		Factoring by GCF Review Drag and Drop Activity
5/25/17		Check out
5/26/17		**Last Day of School**

Unit 9 - Probability and Statistics

Standards:

8.SP.1—Construct and interpret scatter plots between two quantities. Describe patterns of clustering, outliers, positive and negative relationships, linear and non-linear relationships.
8.SP.2—Create a line of best fit. Assess the line of best fit for its reliability.
8.SP.3—Apply linear relationships to real world problems.
8.SP.4—Apply scatter plots to real world concepts.

Date	**Objective**	**Activities and *Assessments***