Topic		Sub Topic	Skill	Time Needed	Standard
Number Sense	Real Numbers	Natural Numbers	Add, multiply, Closure	Week 1	**NS 1.2**, **AF 1.3**
			Comm., Assoc. Properties		
		Whole/Integers	Add, subt., multiply	Week 2	
			Zero, identity, inverse		
		Rational Numbers	Add, subtract, multiply, divide	Week 3	**NS1.2**, **NS 2.2**
			Convert fract, dec., %		NS 1.3
		Translating and Multiple representationss	Convert term and repeating decimals to fractions	Week 4	**NS 1.5**
		Irrational Numbers	Square roots		NS 2.4
			Radical properties	Week 5	**Alg 2.0**
			Simplify radicals		
			Rationalize denominators		
			Identify Rational, Irrational #s	Week 6	**NS 1.4**
		Exponent rules	Positive Exponents		AF 2.1
			Multiplication rule		**NS 2.3**
			Division rule		
			Negative exponents		AF 2.1
			Power of products	Week 7	**Alg 2.0**
			Power of powers		
			Rational exponents		
			Multiply and divide monomials	Week 8	AF 2.2
			Scientific Notation		NS 1.1
	Application	Percents	Percent change	Week 9	NS 1.6
			Markup, Discount		**NS 1.7**
			Interest		
		Absolute Value	Distance from zero	Week 10	NS 2.5
			Problems involving abs val		
		Order of operations		Week 11	
	Bridge the Gap	Translating from English to Math	Basic numeric expressions	Week 12	AF 1.1
			Algebraic expressions		
		Concrete to abstract	2/3 of what?		
			What is x? Where is it on a number line?		
		Order of operations	Order of ops with variables		AF 1.2

Algebra and Functions			Distributive property	Week 13	AF 1.3
		Combining Like Terms	Simple expressions		
			W/ Distributive property		Alg 4.0
		Solving Equations	One step equations	Week 14	**AF 4.1**
			Two step equations		
			Multiple step equations		Alg 5.0
	Linear Relationships	Solve Inequalities	Solve inequalities	Week 15	
			Absolute value equations and inequalities		Alg 3.0
		Input output tables	Fill in given the equation	Week 16	
			Silent Board Game		
			Generalize the rule		
		Coordinate plane	Identify quadrants	Week 17	
			Plot points		
		Graphical Representations	Interpret graphs generally	Week 18	AF 1.5
			Interpret Graphs with specific values		**AF 3.4**
		Graph Linear Relationships	Given input output table	Week 19	
			Given equation		
			Given Silent board Game		
		Multiple representations	Verbal expression	Week 20	
			Algebraic expression/equation		
			Input/Output table		
			Graph		
		Generalize	Slope	Week 21	**AF 3.3**
			Is the point on the line?		**Alg 7.0**
			Point slope form		
			Slope intercept form		
			Standard form		
			Slope intercept form		
		Applications	Direct Variation	Week 22	**AF 4.2**
			Rates		**MG 1.3**
			Parallel lines		**Alg 8.0**
			Perpendicular lines		
		Vocabulary	Variable, equation, expression, slope,etc.		AF 1.4
			What does intersection of lines mean?	Week 23	**Alg 9.0**
			Substitution		
			Linear combination		
			System of inequalities		

			Work problems	Week 24	**Alg 15.0**
			Rate Problems		
			Mixture Problems		
Measurement and Geometry		Pythagorean Theorem	Solve for missing side	Week 25	**MG 3.3**
			Converse (is it a right triangle?)		
			Application problems		
		Congruence	Are shapes congruent?	Week 26	**MG 3.4**
			Are corresponding parts congruent?		
		3 Dimensions	Identify: diagonals, skew, parallel, perpendicular, planes	Week 27	**MG 3.6**
SDP		Box and Whisker Plots	Enough Said		**SDP 1.3**
		Intro to Quadratic Relationships	Identify $y = x^2$, $y = x^3$		AF 3.1
			Graph $y = x^2$, $y = x^3$	Week 28	
		Quadratics	Graph real life quadratics (area vs. side)		AF 3.2
			Graph using function table	Week 33	Alg 21.0
			Graph using vertex		
			What does “a” do to the parabola?		
			Graph using roots		
			Solve in factored form	Week 34	Alg 14.0
			Factor and solve		Alg 11.0
			Complete the square		
			Quadratic formula	Week 35	Alg 19.0, 20.0
			How many roots?		Alg 22.0
			Vertical Motion $v_0 = 0$	Week 36	Alg 23.0
			Vertical Motion with initial velocity		
		Polynomials	Add and subtract polynomials	Week 37	Alg 10.0
			Multiply polynomials		
			Factor polynomials		Alg 11.0
			Simplify polynomial fractions		Alg 12.0, 10.0
			Add subtract polynomial fractions	Week 38	Alg 13.0
			Multiply and divide polynomial fractions		