6th	M6A1 Students will understand the concept of ratio and use it to represent quantitative relationships.	M6A2 Students will consider relationships between varying quantities.	M6A3 Students will evaluate algebraic expressions, including those with exponents, and solve simple one-step equations using each of the four basic operations.	M6D1 Students will pose questions, collect data, represent and analyze the data, and interpret results.	M6D2 Students will use experimental and simple theoretical probability and will understand the nature of sampling. They will also make predictions from investigations.	M6G1 Students will further develop their understanding of plane figures.	M6G2 Students will further develop their understanding of solid figures.	M6M1 Students will convert from one unit to another within one system of measurement (customary or metric) by using proportional relationships.	M6M2 Students will use appropriate units of measure for finding length, perimeter, area, and volume and will express each quantity using the appropriate unit.	M6M3 Students will determine the volume of fundamental solid figures (right rectangular prisms, cylinders, pyramids, and cones).	M6M4 Students will determine the surface area of solid figures (right rectangular prisms and cylinders).	M6N1 Students will understand the meaning of the four arithmetic operations as related to positive rational numbers and will use these concepts to solve problems.	M6P1 Students will solve problems (using appropriate technology).	M6P2 Students will reason and evaluate mathematical arguments.	M6P3 Students will communicate mathematically.	M6P4 Students will make connections among mathematical	M6P5 Students will represent mathematics in multiple ways.	M6RC1 Students will enhance reading in all curriculum areas by:
A Tangled Web																			
Mapping It Out																			
It's Clear to Me																			
From H to OH																			
Pollution – Take It or Leave It																			
Grab Gram																			
Stone Soup																			
Carts and Horses																			
Hitting the Mark																			
Multiple Perspectives																			
A Snapshot in Time																			
Water Quality Monitoring																			
Turbidity or Not Turbidity																			
Footprints on the Sand																			
Looks Aren't Everything													x			x	X		
Setting the Standards																			
Wash It Away																			
Life and Death Situation																			
There is no Point to this Pollution				X													x		
Washing Water													X						
Benthic Bugs and Bioassessment													x				X		
Water Quality Windows																			
Invertebrates as Indicators				X									x				x		
Picking Up the Pieces																			
Going Underground																			

Urban Watershed

7th	M7A1 Students will represent and evaluate quantities using algebraic expressions.	M7A2 Students will understand and apply linear equations in one variable.	M7A3 Students will understand relationships between two variables.	M7D1 Students will pose questions, collect data, represent and analyze the data, and interpret results.	M7G1 Students will construct plane figures that meet given conditions.	M7G2 Students will demonstrate understanding of transformations.	M7G3 Students will use the properties of similarity and apply these concepts to geometric figures.	M7G4 Students will further develop their understanding of three-dimensional figures.	M7N1 Students will understand the meaning of positive and negative rational numbers and use them in computation.	M7P1 Students will solve problems (using appropriate technology).	M7P2 Students will reason and evaluate mathematical arguments.	M7P3 Students will communicate mathematically.	M7P4 Students will make connections among mathematical ideas and to other disciplines.	M7P5 Students will represent mathematics in multiple ways.	M7RC1 Students will enhance reading in all curriculum areas by:			
A Tangled Web																		
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Multiple Perspectives																		
A Snapshot in Time																		
Water Quality Monitoring																		
Turbidity or Not Turbidity																		
Footprints on the Sand																		
Looks Aren't Everything									**x**			**X**	**x**					
Setting the Standards																		
Wash It Away																		
Life and Death Situation																		
There is no Point to this Pollution				**X**									**x**					
Washing Water									**X**									
Benthic Bugs and Bioassessment									**x**				**X**					
Water Quality Windows																		
Invertebrates as Indicators				**x**					**x**				**x**					
Picking Up the Pieces																		
Going Underground																		

8th	M8A1 Students will use algebra to represent, analyze, and solve problems.	M8A2 Students will understand and graph inequalities in one variable.	M8A3 Students will understand relations and linear functions.	M8A4 Students will graph and analyze graphs of linear equations and inequalities.	M8A5 Students will understand systems of linear equations and inequalities and use them to solve problems.	M8D1 Students will apply basic concepts of set theory.	M8D2 Students will determine the number of outcomes related to a given event.	M8D3 Students will use the basic laws of probability.	M8D4 Students will organize, interpret, and make inferences from statistical data.	M8G1 Students will understand and apply the properties of parallel and perpendicular lines and understand the meaning of congruence.	M8G2 Students will understand and use the Pythagorean theorem.	M8N1 Students will understand different representations of numbers including square roots, exponents, and scientific notation.	M8P1 Students will solve problems (using appropriate technology).	M8P2 Students will reason and evaluate mathematical arguments.	M8P3 Students will communicate mathematically.	M8P4 Students will make connections among mathematical ideas and to other disciplines.	M8P5 Students will represent mathematics in multiple ways.	M8RC1 Students will enhance reading in all curriculum areas by:
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Life and Death Situation																		
There is no Point to this Pollution									X							x		
Washing Water																X		
Benthic Bugs and Bioassessment																X		
Water Quality Windows																		
Invertebrates as Indicators																X		
Picking Up the Pieces																		
Going Underground																		

High School Accelerated Math 1	**MA1A1. Students will explore and interpret the characteristics of functions, using graphs, tables, and simple algebraic techniques.**	**MA1A2. Students will simplify and operate with radical expressions, polynomials, and rational expressions.**	**MA1A3. Students will analyze quadratic functions in the forms $f(x) = ax^2 + bx + c$ and $f(x) = a(x - h)^2 + k$.**	**MA1A4. Students will solve quadratic equations and inequalities in one variable.**	**MA1A5. Students will investigate step and piecewise functions, including greatest integer and absolute value functions.**	**MA1D1. Students will determine the number of outcomes related to a given event.**	**MA1D2. Students will use the basic laws of probability.**	**MA1D3. Students will relate samples to a population.**	**MA1D4. Students will explore variability of data by determining the mean absolute deviation (the average of the absolute values of the deviations).**	**MA1D5. Students will determine an algebraic model to quantify the association between two quantitative variables.**	**MA1G1. Students will investigate properties of geometric figures in the coordinate plane.**	**MA1G2. Students will understand and use the language of mathematical argument and justification.**	**MA1G3. Students will discover, prove, and apply properties of triangles, quadrilaterals, and other polygons.**	**MA1G4. Students will understand the properties of circles.**	**MA1G5. Students will find and compare the measures of spheres.**	**MA1N1. Students will represent and operate with complex numbers.**	**MA1P1. Students will solve problems (using appropriate technology).**	**MA1P2. Students will reason and evaluate mathematical arguments.**	**MA1P3. Students will communicate mathematically.**	**MA1P4. Students will make connections among mathematical ideas and to other disciplines.**	**MA1P5. Students will represent mathematics in multiple ways.**	**MRC. Students will enhance reading in all curriculum areas by:**
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High School Mathematics 1-4	MM1A1. Students will explore and interpret the characteristics of functions, using	MM1A2 Students will simplify and operate with radical expressions, polynomials, and	MM1A3. Students will solve simple equations.	MM1D1. Students will determine the number of outcomes	MM1D2. Students will use the basic laws of probability.	MM1D3. Students will relate samples to a population.	MM1D4. Students will explore variability of data by determining the mean	MM1G1. Students will investigate properties of geometric figures in the	MM1G2. Students will understand and use the language of mathematical	MM2A1. Students will investigate step and piecewise functions, including	MM2A2. Students will explore exponential functions.	MM2A3. Students will analyze quadratic functions in the forms $f(x) = ax^2 + bx + c$	MM2A4. Students will solve quadratic equations and inequalities in one variable.	MM2A5. Students will explore inverses of functions.	MM2D1 Using sample data, students will make informal inferences about	MM2D2. Students will determine an algebraic model to	MM2G1. Students will identify and use special right	MM2G3. Students will understand the properties of circles.	MM2G4. Students will find and compare the measures of spheres.	MM2N1. Students will represent and operate with complex numbers. 3MM1G3.	MM3A1. Students will analyze graphs of polynomial functions of higher degree.	MM3A2. Students will explore logarithmic functions as	MM3A3. Students will solve a variety of equations and inequalities.	MM3A4. Students will perform basic operations with	MM3A5. Students will use matrices to formulate and solve	MM3D1. Students will create probability histograms of discrete random variables,	MM3D2. Students will solve problems involving	MM3D3. Students will understand the differences between experimental and	MM3G1. Students will investigate the relationships between lines and circles.	MM3G3. Students will investigate planes and spheres.	MM4A1. Students will explore rational functions.	MM4A2. Students will use the circle to define the trigonometric functions.	MM4A3. Students will investigate and use the graphs of the six trigonometric	MM4D1. Using simulation, students will develop the idea of the central limit	MM4D2. Using student-generated data from random samples of at least 30
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