Identifier	**Poplar - Grade 8 - Mathematics**	Introduced	Completed
8 M 1	**MATHEMATICAL PRACTICES**		
8 M 1.01	Makes sense of problems and persevere in solving them.		
8 M 1.02	Reason abstractly and quantitatively.		
8 M 1.03	Construct viable arguments and critique the resoning of others.		
8 M 1.04	Model with mathematics.		
8 M 1.05	Use appropriate tools strategically.		
8 M 1.06	Attend to precision.		
8 M 1.07	Look for and muke use of structure.		
8 M 1.08	Look for and express regularity in repeated reasoning.		
8 M 2	**RATIOS AND PROPORTIONAL RELATIONSHIPS**		
8 M 2.01	Analyze proportional relationships and use them to solve real-world and mathematical problems.		
8 M 2.02	Compute unit rates associated with ratios of fractions, including ratios of lengths, areas and other quantities measured in like or different units.		
8 M 2.03	Recognize and represent proportional relationships between quantities.		
8 M 2.04	Use proportional relationships to solve multistep ratio and percent problems within cultural contexts.		
8 M 3	**NUMBER SYSTEM**		
8 M 3.01	Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers.		
8 M 3.02	Know that there are numbers that are not rational, and approximate them by rational numbers.		
8 M 4	**EXPRESSIONS AND EQUATIONS**		
8 M 4.01	Use properties of operations to generate equivalent expressions.		
8 M 4.02	Solve real-life and mathematical problems using numjberical and algebraic expressions and equations.		
8 M 4.03	Work with radicals and integer exponents.		
8 M 4.04	Understand the connections between proportional relationships, lines, and linear equations.		
8 M 4.05	Analyze and solve linear equations and pairs of simultaneous linear equations		
8 M 5	**GEOMETRY**		
8 M 5.01	Draw, construct, and describe geometrical figures and describe the relationships between them.		
8 M 5.02	Understand congruence and similarity using physical models, transparencies, or geometry software.		
8 M 5.03	Understand and apply the Pythagorean Theorem.		
8 M 5.04	Solve real-life and mathematical proglems involving angle measure, area, surface area, and volume.		
8 M 5.05	Solve real-world and mathematical problems involving volume of cylinders, cones and spheres.		
8 M 6	**FUNCTIONS**		
8 M 6.01	Define, evaluate, and compare functions.		
8 M 6.02	Use functions to model relationships between quantities.		
8 M 7	**STATISTICS AND PROBABILITY**		
8 M 7.01	Use random sampling to draw inferences about a population.		
8 M 7.02	Draw informal comparative inferences about two populations.		
	Investigate chance processes and develop, use, and evaluate probability models.		
8 M 7.03	Investigate patterns of association in bivariate data.		