

WV CSO Curriculum Planning Tool Eighth Grade Math

Standard	Objective	Projected Date	Date Taught	Date Assessed	Date Re-Taught	Date Re-Assessed
Standard 1: Number and Operations (MA.S.1)	MA.8.1.1 compare and order rational and irrational numbers.					
	MA.8.1.2 terminating, repeating, & non-repeating decimals					
	MA.8.1.3 extend scientific notation to wide range of values					
	MA.8.1.4 use powers, squares, and square roots to solve problems.					
	MA.8.1.5 estimation techniques in application problems					
	MA.8.1.6 rates, tips, discounts, sales tax & interest					
	MA.8.1.7 commutative, associative, & identity properties					
Standard 2: Algebra (MA.S.2)	MA.8.2.1 order-of-operations & exponents rules					
	MA.8.2.2 one & two step linear equations & inequalities					
	MA.8.2.3 use ratio and proportion to create and solve equations.					
	MA.8.2.4 add & subtract polynomials, two variables & positive exponents					
	MA.8.2.5 algebraic equations & expressions to solve problems					
	MA.8.2.6 inductive & deductive reasoning to write a rule					
	MA.8.2.7 graph linear equations & inequalities					
	MA.8.2.8 formulate arithmetic, geometric & algebraic pattern					
	MA.8.2.9 slope of a line or slope/y-intercept equation ($y=mx+b$).					
	MA.8.2.10 real world problems					
Standard 3: Geometry (MA.S.3)	MA.8.3.1 corresponding, alternate interior & exterior angles					
	MA.8.3.2 classify polyhedrons					
	MA.8.3.3 identify, apply, and construct perpendicular and angle bisectors.					
	MA.8.3.4 rotations, reflections, translations					
	MA.8.3.5 similar & congruent figures & graph transformations					
	MA.8.3.6 ratio, proportion & similar figures					
Standard 4: Measurement (MA.S.4)	MA.8.4.1 perimeter, area, surface area & volume					
	MA.8.4.2 volume for cone & pyramids					
	MA.8.4.3 solve problems involving missing measurements					
	MA.8.4.4 Pythagorean Theorem					
Standard 5: Data Analysis and Probability (MA.S.5)	MA.8.5.1 application problems involving combinations and permutations.					
	MA.8.5.2 experimental & theoretical probability					
	MA.8.5.3 multiple-bar graphs; box & whisker plots					
	MA.8.5.4 determine probability & make predictions					
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