

GRADE 8 MATH CURRICULUM MAP 2010-2011

Follows TBAISD's recommendation of content for Pre-Algebra focus

*GLCEs not covered during this course are covered in later high school courses for testing in 11th grade on the MME

September	October	November	December	January
<p>Review concepts from 6/7th grade, including: order of operations, exponents, roots, algebraic expressions, integers, linear equations</p> <p>Rational numbers – terminating and repeating decimals N.ME.08.03</p> <p>Irrational numbers N.ME.08.04</p>	<p>Review concepts from 6/7th grade, including: order of operations, exponents, roots, algebraic expressions, integers, linear equations</p> <p>Solutions of equations – understand to solve the equation $f(x) = g(f)$ means to find all values of x for which the equation is true A.FO.08.10</p>	<p>Linear Inequalities – solve in one and two variables, and graph the solution sets A.FO.08.12</p> <p>Review slope – include graphing linear inequalities and systems of inequalities A.FO.08.12 A.FO.08.13</p>	<p>Functions – identify and represent simple functions; use vertical line test to determine a function; A.RP.08.01 A.PA.08.02 A.PA.08.03 A.RP.08.04</p>	<p>Systems of equations – solve by graphing, substitution and elimination; applications of A.FO.08.11 A.FO.08.13</p>
February	March	April	May	June
<p>Square and cube roots – estimate solutions; recognize connections to squares and cubes N.ME.08.01 N.FL.08.06 N.FL.08.05</p> <p>Pythagorean Theorem and distance formula – applications of G.GS.08.01 G.LO.08.02</p>	<p>Exponents – properties of including zero and negative exponents; compound interest; exponential functions N.ME.08.02 N.FL.08.09</p>	<p>Polynomials –name, add, subtract, multiply, factor A.FO.08.07</p>	<p>Quadratics – graph, solve equations by factoring or taking the square root; applications of A.RP.08.05 A.RP.08.06 A.FO.08.08 A.FO.08.09</p>	<p>Percents - increase, decrease and multiple discounts N.MR.08.07 N.MR.08.08 N.FL.08.09</p> <p>Weighted averages and unit rates N.MR.08.10 N.MR.08.11</p>