HiSET Math Curriculum

CCSS CODE	HiSET MATH LEARNING OBJECTIVE	√
5.NBT.1	Understand the decimal place value system	
7.NS.1	How to interpret whole-number number lines	
5.NBT.7	How to do the four basic operations: addition, subtraction, multiplication, and division	
7.NS	How to solve whole number word problems choosing the correct operation(s)	
5.OA.3	How to solve number sequences and patterns problems	
6.EE.3	How to use Commutative, Associative, and Distributive properties	
7.NS.3	Solve single and multi-step step word problems using whole numbers	
7.NS.1	Add and subtract fractions	
7.NS.2	Multiply and divide Fractions	
7.NS.3	Solve word problems using decimal numbers	
6.RP	How to Solve Ratio problems	
6.NS.8	Graph points on all four coordinates of a coordinate plane	
6.RP.3a	Plot a ratio on a coordinate plane.	
6.RP.3	How to solve word problems using proportional equations	
7.RP3	How to solve multistep word problems using proportional equations	
6.RP.3c	How to find part, whole, and percent of a number using proportional equations	
6.RP.3c	How to use proportional equations to solve percent word problems	
7.RP.3	How to use proportional equations to solve multi-step percent word problems	
7.RP.3	How to solve Rate of Change Problems	
7.RP.3	How to Solve Successive Percent Problems	
8.NS	Understand irrational numbers	
A.APR.1	How to multiply Polynomials	

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	MEASUREMENTS/GEOMETRY	
4.MD.1	Memorize customary U.S. system of measurement chart	
5.MD.1	Convert customary measurements & solve word problems with proportions	
4.MD.1	Memorize metric system prefixes: kilo-, centi-, milli used with meter, gram, liter	
5.MD.1	Convert metric measurements & solve word problems moving decimal points	
7.G	How to solve perimeter, area, and circumference problems	
7.G.6	How to apply formulas for solving triangles, quadrilaterals, and circles	
7.G.5	Understand basic angle relationships and shapes	
7.G.6	How to solve solid geometry problems	
8.G	How to solve similarity and congruence problems	
8.G.7	How to apply Pythagorean Theorem	
	DATA ANALYSIS/PROBABILITY/STATISTICS	
6.SP.5c	Solve Mean and median problems	
6.RP.3	Use Tables to solve problems	
7.RP	Use Bar, Line, and Circle Graphs to solve problems	
7.SP	Solve probability problems	
5.G	Find a point on a coordinate plane	
8.EE.5	Find the slope of a line	
8.G.8	Find the distance between two points	

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	ALGEBRAIC CONCEPTS	
7.NS	Add, Subtract, multiply, and divide signed numbers	7.NS
6.EE	Use formulas to solve problems	
8.EE.1/2	How to solve exponents and roots problems	
6.EE.2c	Apply order of operations to evaluate expressions	
6.EE	Understand Variables and Algebraic Expressions	
6.EE	Simplify Algebraic Expressions	
6.EE	How to solve set-up problems	
6.EE	Solve one-step equations	
7.EE	Solve multi-step equations	
	Solve Algebraic word problems	
8.EE.3/4	"Perform operations with numbers expressed in Scientific Notation"	
8.EE.5	"Understand the connection between proportional relationships, lines, and linear equations"	