

Essential Resources		District Resources to Teach 100% of the TEKS located in the NBISD ECourse Resources, 7th Grade Online Textbook Link to TEKS: https://tea.texas.gov/curriculum/teks/					
Spiraled TEKS		Process Skills Embedded in All Lessons: 7.1(A) apply mathematics to problems arising in everyday life, society, and the workplace; 7.1(B) use a problem-solving model that incorporates analyzing given information, formulating a plan or strategy, determining a solution, justifying the solution, and evaluating the problem-solving process and the reasonableness of the solution 7.1(C) select tools, including real objects, manipulatives, paper and pencil, and technology as appropriate, and techniques, including mental math, estimation, and number sense as appropriate, to solve problems					
Timeline		1st Quarter Aug 23 - Oct 15, 2021 (39 Instructional Days)			2nd Quarter Oct 19 - Dec 17, 2021 (40 Days)		
Unit		Unit 01 Rational Numbers	Unit 02 Proportional Reasoning (Part 1)	Unit 02 (continued) Proportional Reasoning (Part 2)	Unit 03 Equations and Inequalities	Unit 04 Linear Relationships	Semester Review and Testing
Big Idea	Current Grade	Classify sets and subsets of real numbers using a visual representation, Add, Subtract, multiply, and divide rational numbers in numerical and real world situation	Calculate unit rates, solve problems involving ratios and rates, convert between measurement systems.	Generalize the critical attributes of similarity, solve mathematical and real world problems involving similar shape and scale drawings, understand that the ratio of corresponding sides of similar shapes are proportional, and use an algebraic representation to explain the effect of a given positive rational scale factor applied to two-dimensional figures on a coordinate plane with the origin as its center of dilation.	Determine if a given value makes an equation or inequality true. Model and solve 2 step equations and inequalities.	Students will understand that patterns provide insights into possible relationships. Students will understand that functions with a constant rate of change can be described by an equation in the form of $y = mx + b$ where m represents the constant rate of change and b represents the y-intercept.	All Semester 1 TEKS
TEKS	Current Grade	7.2A, 7.3AB	7.4BD(no percent)E	7.5AC	7.10ABC, 7.11AB	7.4AC, 7.7A	Q2 Bench mark
Timeline		3rd Quarter Jan 4 - March 11, 2022 48 Instructional Days			4th Quarter March 21 - May 26, 2022 (48 Instructional Days)		
Unit		Unit 05 Percent	Unit 06 Probability	Unit 07 Angles and 2D Shapes	Unit 8 Volume and Surface Area	Unit 9 Data and Statistics	Unit 10 Financial Literacy
Big Idea	Current Grade	Solve problems involving percent increase and decrease, calculate the sales tax for a given purchase, calculate and compare simple and compound interest, analyze and compare monetary incentives including sales and coupons	Represent sample spaces for simple and compound events, make predictions and determine solutions using theoretical probability for simple and compound events, find the probability of a simple event and its complement and describe the relationship between the two, determine experimental and theoretical probability using data and sample spaces	Students will use informal arguments to establish facts about the angle sum and exterior angle of triangles, the angles created when parallel lines are cut by a transversal, and the angle-angle criterion for similarity of triangles. Students will write and solve equations using geometry concepts, including the sum of the angles in a triangle, and angle relationships. Students will find the circumference and area of circles. Students will determine the area of composite figures containing combinations of rectangles, squares, parallelograms, trapezoids, triangles, semicircles, and quarter circles.	Solve problems involving the volume of prisms and pyramids, solve problems involving the lateral surface area of prisms and pyramids	Solve problems involving data represented in bar graphs, dot plots, and circle graphs. Compare two groups of numerical data, use data from a random sample to make an inference about a population, compare two populations based on data.	Identify the components of a personal budget, create and organize a financial assets and liabilities record, use a family budget estimator. Calculate and compare simple interest and compound interest earnings.
TEKS	Current Grade	7.4D, 7.13AF	7.6ACDEHI	7.11C, 7.5B, 7.9BC	7.9AD	7.6G, 7.12ABC	7.13ABCDE