



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 24 - Oct 16, 2020 (38 Instructional Days)				2nd Quarter Oct 19 - Dec 18, 2020 (40 Instructional Days)		
Unit		Unit 01 Rational Numbers	Unit 02 Equations and Inequalities	Unit 03 Proportional Reasoning Part 1	Q1 Benchmark	Unit 03 Proportional Reasoning Part 2	Unit 04 Geometry of 2 Dimensional figures	Review and Test
Big Idea	Current Grade	Describe relationships between sets of numbers, Add/Subt/Mult/Divide Rational Numbers	Model and solve one-variable equations and inequalities, write equations to represent real world situations, represent solutions for two-step equations and inequalities on number lines, determine if a given value makes an equation or inequality true.	Solve problems involving ratios and rates convert between measurement systems, Calculate unit rates, determine the constant of proportionality	<a href="#">First Quarter TEKS Only Practice Q1 DLA</a>	Determine the constant rate of change, represent constant rates of change, represent linear relationships using verbal descriptions, tables, graphs, and equations that simplify to the form $y = mx + b$ ,	Write and solve equations using geometry concepts including the sum of the angles in a triangle, solve mathematical and real-world problems involving similar shape and scale drawings, determine the circumference and area of circles, determine the area of composite figures containing combinations of rectangles, squares, parallelograms, trapezoids, triangles, semicircles, and quarter circles. Describe pi as the ratio of a circle's circumference to its diameter	All Semester 1 TEKS
	Previous Grade: 6th Grade Math	In 6th grade students learned to order and compare rational number, developed their fluency with multiplication and division of rational numbers. They solved one step equations and modeled solutions for inequalities on number lines. They also solved problems involving ration and rates and converted between measurement systems and calculated unit rates. In 7th grade, they will be relating the unit rate to the constant of proportionality				In 6th grade, students explored additive and multiplicative relationships and explored the area of quadrilaterals. 7th grade will be their first exposure to the area and circumference of circles and the relationship amongst the angles formed when two parallel lines are cut by a transversal		
TEKS	Current Grade	7.3B, 7.2A, 7.3A	7.11A, 7.10A, 7.10B, 7.10C, 7.11B	7.4D, 7.4E, 7.4B 7.4C		7.4A, 7.7A	7.5C, 7.9B, 7.9C, 7.5A, 7.5B, 7.11C	Q2 Benchmark
	Previous Grade: 6th Grade Math	All Previous TEKS were covered Previous to Covid 19				All Previous TEKS were covered Previous to Covid 19		
Timeline		3rd Quarter Jan 4 - March 12, 2021 (48 Instructional Days)				4th Quarter March 22 - May 27, 2021 (48 Instructional Days)		
Unit		Unit 05 Percent	Unit 06 Probability	Unit 07 Geometry of 3D Figures	Unit 08 Data and Statistics	Unit 09 Financial Literacy	Unit 10 STAAR Review and Testing	Unit 11 Enrichment
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	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	<a href="#">Released STAAR Tests</a>	Campus Decision
	Previous Grade: 6th Grade Math	In 6th grade students learned to solve problems involving percent. 7th grade will be their first exposure to percent change, tax, discounts, and simple interest. 7th grade will also be a student's first exposure to theoretical and experimental probability, volume, and surface area. 6th graders will have prior knowledge of bar graphs, dot plots, and stem and leaf plots. 7th grade will be their first exposure to analyzing circle graphs				Students have prior knowledge of the math of money. In 7th grade they will extend this knowledge and build on previous understandings.		
TEKS	Current Grade	7.4D, 7.13A, 7.13E, 7.13F	7.6H, 7.6I, 7.6A, 7.6B, 7.6C, 7.6D, 7.6E, 7.6F	7.9A, 7.9D	7.6G, 7.12A, 7.12B, 7.12C	7.13A, 7.13B, 7.13C, 7.13D, 7.13E, 7.13F	<a href="#">All TEKS with an emphasis on Readiness and frequently tested TEKS</a>	
	Previous Grade: 6th Grade Math	All Previous TEKS were covered Previous to Covid 19				All Previous TEKS were covered Previous to Covid 19		