



Essential Resources

District Resources to Teach 100% of the TEKS located in the NBISD ECourse Resources, [6th Grade Online Textbook](#)
Link to TEKS: <https://tea.texas.gov/curriculum/teks/>

Spiraled TEKS

Process Skills Embedded in All Lessons: 6.1(A) apply mathematics to problems arising in everyday life, society, and the workplace 6.1(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 thereasonableness of the solution
6.1(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 Numerical Representations	Unit 02 Integers	Unit 03 Rational Numbers	Review and Assess	Unit 04 Ratios and Rates	Unit 05 Percent	Unit 06 Numerical Expressions	Review and Assess
Big Idea	Current Grade	Classify numbers, order a set of rational numbers, identify opposites and absolute value, locate and compare rational numbers using a number line	Add, subtract, multiply, and divide integers, represent integers with concrete models and connect these models to the standard algorithm	Multiply and divide positive rational numbers fluently, recognize that dividing by a rational number and multiplying by its reciprocal results in equivalent values	All Q1 TEKS will be covered on DLA	Use proportional reasoning to solve prediction and comparison of real world problems involving ratios and rates. Represent mathematical and real-world problems involving ratios and rates using scale factors, tables, graphs, and proportions	Generate equivalent forms of fractions, decimals, and percents using real world problems, solve percent problems that arise in real world situations, represents ratios and percents with concrete models, fractions, and decimals, represent benchmark fractions using strip diagrams, number lines, and numbers. Use equivalent fractions, decimals, and percents to show equal parts of the same whole	Generate equivalent numerical expressions using order of operations including whole number exponents and prime factorization. Generate equivalent expressions using the properties of operations: invers, identity, commutative, associative and distribute properties. Distinguish between expressions and equations verbally, numerically, and graphically, determine if two expressions are equivalent	Practice DLA
	Previous Grade: 5th Grade Math	All previous skills were taught prior to remote learning Students learned to find common denominators, order decimals, use long division, use inequality symbols to compare two numbers, recognize that multiplying by 1/10, 1/100, or 1/1000 is the same thing as dividing by 10, 100, and 1000. 6th grade teachers should continue to build on these concepts and use student's prior knowledge to continue to strengthen mathematical fluency in their students				All previous skills were taught prior to remote learning Students learned to find common denominators, order decimals, use long division, use inequality symbols to compare two numbers, recognize that multiplying by 1/10, 1/100, or 1/1000 is the same thing as dividing by 10, 100, and 1000. 6th grade teachers should continue to build on these concepts and use student's prior knowledge to continue to strengthen mathematical fluency in their students			
TEKS	Current Grade	6.2A, 6.2B, 6.2C, 6.2D , 6.2E	6.3E , 6.3A, 6.3B Spiraled TEKS: 6.2D	6.3D , 6.3C Spiraled TEKS: 6.2D , 6.3E		6.4B , 6.4H , 6.4C, 6.4 D, 6.5A Spiraled TEKS: 6.3D , 6.3E	6.4E, 6.4F, 6.5C, 6.4G , 6.5B	6.7A , 6.7D , 6.7B, 6.7C	
Timeline		3rd Quarter Jan 4 - March 12, 2021 (48 Instructional Days)				4th Quarter March 22 - May 27, 2021 (48 Instructional Days)			
Unit		Unit 07 Equations and Inequalities	Unit 08 Algebraic Representations	Unit 09 Geometry	Unit 10 Data and Statistics	Unit 11 Financial Literacy	Unit 12 STAAR Test and Review	Unit 13 Enrichment	
Big Idea	Current Grade	Determine if a given value makes a one-value equation or inequality true. Model and solve one-variable, one-step equations and inequalities. Write one variable, one-step equations and inequalities to describe a real world situation, represents solutions of one-step equations and inequalities on a number line	Identify independent and dependent quantities from tables and graphs. Write an equation that represents the relationship between independent and dependent quantities from a table. Represent a given situation using verbal descriptions, tables, and graphs and equation in the form of $y = kx$ or $y = x + b$, graph points in all four quadrants using ordered pairs of rational numbers	Find missing angles of a triangle. Determine whether 3 sides can form a triangle. Find the area of rectangles, triangles, trapezoids, and parallelograms. Find the volume of rectangular prisms. Model area formulas by decomposing and rearranging shapes	Represent numerical data using dot plots, stem and leaf plots, box plots and bar graphs. Describe the center, spread, and shape of data distribution, summarize graphical data, interpret graphical data	Compare the features and costs of a checking account and a debit card. Distinguish between debit cards and credit cards. Balance a check register that includes deposits, withdrawals and transfers. Describe the information in a credit report and how long it is retained. describe the value of credit reports to borrowers and to lenders. Explain various methods to pay for college, including through savings, grants, scholarships, student loans, and work-study. Compare the annual salary of several occupations requiring various level of post-secondary education	Released STAAR TESTS	Campus Decision	
	Previous Grade: 5th Grade Math	All previous skills were taught before Covid 19. In 5th Grade, students learned In 5th grade, students learned to plot ordered pairs in first quadrant. They also solved problems involving area and perimeter and represented data in a variety of ways				All previous skills were taught before Covid 19. In 5th grade students learned: to explain, and define income tax, payroll tax, sales tax and property tax. They also learned the difference between gross income and net income, to describe and balance a simple budget.			
TEKS	Current Grade	6.10A, 6.9A, 6.9B, 6.9C, 6.10B Spiraled TEKS: 6.2D , 6.3E , 6.3D	6.6A, 6.6B, 6.6C , 6.4A, 6.11A Spiral TEKS: 6.3D , 6.3E	6.8A, 6.8B, 6.8C, 6.8D Spiraled TEKS: 6.11A , 6.3E , 6.3D	6.12A, 6.12B, 6.12C , 6.12D , 6.13A , 6.13B Spiraled TEKS: 6.5B , 6.3D , 6.3E	6.14A, 6.14B, 6.14C, 6.14E, 6.14F, 6.14G, 6.14H	All TEKS with an emphasis on Readiness and Frequently Tested TEKS		