North East Independent School District | Division of Instruction & Campus Administration Curriculum & Instruction

NEISD MATH Instructional Plans 2026-27 - Fourth Grade HAM

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Fall Semester Instructional Minutes				
Unit Title	**Unit 1** **Numerical Representations and Relationships** **Essential Question:** *How does the position of a digit affect the total value?*	**Unit 2** **Whole Number Operations w/Algebraic Reasoning& Financial Literacy** **Essential Question:** *How can we use the relationship between multiplication and division to solve problems and check for accuracy?*	**Unit 3** **Decimal Operations w/ Algebraic Reasoning and Financial Literacy** **Essential Question:** *How does multiplying or dividing by powers of ten change the placement of the decimal point and the value of the number?*	**Unit 4** **Fraction Operations w/ Algebraic Reasoning** **Essential Question:** *How can different fraction representations have the same value, and how does the "whole" affect what those fractions mean?*
Time	16-18 days	12-14 days	27-29 days	18-20 Fall
Students will be able to:				
Skills	• Use place value to compare the size of different decimals up to the thousandths place. • Show the value of decimals and whole numbers using pictures, base-10 blocks, and expanded notation. • Round decimals to the nearest tenth or hundredth. • Determine if a number is prime or composite.	• Use various strategies to find answers for complex word problems. • Use a reliable and accurate method to solve multiplication and division problems. • Draw diagrams or write equations to determine which math operations are needed to solve a problem. • Use the correct sequence, including parentheses and brackets, to solve math expressions accurately. • Balance a simple budget and explain the difference between gross income and net income.	• Predict an answer before solving a problem and check the result afterward to ensure the math makes sense. • Add, subtract, multiply, and divide whole numbers accurately using efficient methods. • Use pictures, diagrams, or models to show what happens when multiplying/dividing with decimals. • Use the order of operations to solve problems. • Represent and solve equations to find the value of a missing number or variable. • Balance a budget	• Find equivalent fractions. • Predict the approximate sum of fractions before adding to check if the final answer is reasonable. • Solve the parts of a math problem inside parentheses before moving to the rest of the expression.
5th Grade TEKS	**5.2B,** 5.2A, 5.2C, 5.4E, **5.4F, 5.4B**	5.3A, **5.3K**, 5.3B, 5.3C 5.10A, 5.10B, 5.10C, 5.10D	*5.3A,* 5.3D, **5.3E,** 5.3F, **5.3G**, ***5.3K,*** ***5.4F,*** 5.10D, 5.10E, 5.10F	**5.4A, *5.3K*, 5.3L,** 5.3H, 5.3I, 5.3J
4th Grade TEKS	4.2A, 4.2B, 4.2C, 4.2D, 4.2E, 4.2F, 4.2G, 4.2H	4.4A, 4.4B, 4.4C, 4.4D, 4.4E, 4.4F, 4.4G, 4.4H, 4.5A, 4.5B, 4.10A, 4.10B, 4.10C, 4.10D, 4.10E	4.4A, 4.4B, 4.4C, 4.4D, 4.4F, 4.4H, 4.5A, 4.5B, 4.10A, 4.10B, 4.10C, 4.10D, 4.10E	4.3A, 4.3B
Click here for full English Language Proficiency Standards (ELPS) Click here for full Technology Applications Standards				

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Spring Semester Instructional Minutes				
Unit Title	**Cont. Unit 4** **Fraction Operations w/ Algebraic Reasoning** **Essential Question:** *How can different fraction representations have the same value, and how does the "whole" affect what those fractions mean?*	**Unit 5** **Geometry & Measurement** **Essential Question:** *How does changing the measurement units we use help us better understand the properties of a shape or object?*	**Unit 6** **Coordinate Planes** **Essential Question:** *How can a coordinate plane help us visualize and explain the relationship between two different sets of numbers?*	**Unit 7** **Data Analysis** **Essential Question:** *How do we select the most effective way to represent data to ensure our conclusions and predictions are accurate?*
Time	11-13 days in Spring	16-18 days	14-16 days	5-7 days
Students will be able to:				
Skills	• Solve the parts of a math problem inside parentheses before moving to the rest of the expression. • Understand that a fraction is another way to show a division problem, where the numerator is divided by the denominator. • Describe mathematical relationships using either words or symbols.	• Identify when and how to use specific formulas to calculate measurements like perimeter, area, and volume. • Use tables and reference charts to change measurements from one unit to another (such as inches to feet or grams to kilograms). • Group triangles into categories based on the lengths of their sides or the size of their angles. • Sort four-sided shapes into specific groups based on their unique features, such as parallel lines or right angles.	• Create a grid and label its key parts, such as the x-axis, y-axis, and the origin (0,0). • Plot points on a grid by moving along the horizontal and vertical axes to specific coordinates. • Transfer information accurately between a graph and a table to show numerical patterns in different formats. • Determine if a set of numbers follows an additive rule (adding a constant) or a multiplicative rule (multiplying by a constant).	• Organize information into various formats, such as scatter plots, bar graphs, and dot plots, to show patterns clearly. • Examine graphs to draw conclusions and solve math problems based on the displayed information. • Use whole numbers, decimals, and fractions from frequency tables, dot plots, or stem-and-leaf plots to solve one- and two-step problems.
5th Grade TEKS	**5.4A, 5.3K, 5.3L,** 5.3H, 5.3I, 5.3J	**5.4H**, **5.5A,** 5.4G, 5.6A, 5.6B, 5.7A	**5.4C, 5.8C,** 5.4D, 5.8A, 5.8B	**5.9C,** 5.9A, 5.9B,
4th Grade TEKS	4.3A, 4.3B	4.5B, 4.6A, 4.6B, 4.6C, 4.6D, 4.7A		4.9A, 4.9B
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