



NEISD Math Year at a Glance 2022 - 2023
4th Hyper-Accelerated Math

Fall Semester				
Unit Title	Unit 1: Whole Number Operations w/ Algebraic Reasoning	Unit 2: Extending Decimals and Financial Literacy	Unit 3: Decimal Operations w/ Algebraic Reasoning	Unit 4: Fraction Operations
Time	5 weeks	1-2 weeks	3-4 weeks	5-6 weeks
Understandings	Students will understand that... Estimation helps solve problems mentally and assess the reasonableness of an answer. Computation is flexible and needs to be accurate and efficient. Creating representations can help them organize, record and communicate mathematical ideas. Multiplication and division are inverse operations of each other.	Students will understand that... A digit can have different values based on where it is placed. Mathematicians select from a variety of ways to represent numbers based on the situation Values of numbers determine their relationships with other numbers. Placement of the decimal point is determined by multiplying or dividing a number by 10, 100, 1,000...	Students will understand that... Estimation helps us to solve problems mentally and assess the reasonableness of an answer. Computation is flexible and needs to be accurate and efficient. Placement of the decimal point is determined by multiplying or dividing a number by 10, 100, 1,000... Multiplication and division are inverse operations of each other.	Students will understand that... Estimation helps solve problems mentally and assess the reasonableness of an answer. Fractions can be represented in an infinite number of ways that have the same value. Computation is flexible and needs to be accurate and efficient. Fractions are an extension of the number system used to communicate and reason about the infinite values that exist between values.
TEKS	5.3A, 5.3B, 5.3C, 5.3K, 5.4A, 5.4B, 5.4E, 5.4F 4.4A, 4.4B, 4.4C, 4.4D, 4.4E, 4.4F, 4.4G, 4.4H, 4.5A, 4.5B	5.2A, 5.2B, 5.2C, 5.10A, 5.10B, 5.10C, 5.10D 4.2A, 4.2B, 4.2C, 4.2D, 4.2E, 4.2F, 4.2G, 4.2H, 4.10A, 4.10C, 4.10D, 4.10E	5.3A, 5.3E, 5.3G, 5.3K, 5.4B, 5.4F, 5.3D, 5.3F, 5.4E, 5.10E, 5.10F 4.4A, 4.4B, 4.4C, 4.4D, 4.4F, 4.4H, 4.5A, 4.5B, 4.10B	5.3A, 5.3H, 5.3I, 5.3J, 5.3K, 5.3L, 5.4F 4.3A, 4.3B



NEISD Math Year at a Glance 2022 - 2023

4th Hyper-Accelerated Math

Spring Semester

Unit Title	Unit 5: Measurement & Geometry	Unit 6: Coordinate Planes	Unit 7: Analyzing Data	STAAR Review	Unit 9: Angles and Looking Ahead
Time	6-7 weeks	2-3 weeks	3-4 weeks	2 weeks	2 weeks
Understandings	Students will understand that... Relationships between units vary depending on the measurement system and can be represented in an infinite number of ways that have the same value. Mathematicians use many different tools to measure “how many”, “how much”, “how far”, and when. The ability to see two-dimensional figures from different viewpoints helps us understand relationships between figures.	Students will understand that... Data can be represented in a variety of ways. Coordinate planes and tables show relationships and numerical patterns. On the coordinate plane, a point represents the two facets of information associated with an ordered pair.	Students will understand that... Different graphs are used to represent different types of data. Data can be categorical or numerical and that determines which type of graph is used to represent the data. You can use data analysis to solve problems. It is important to be aware of factors that may influence conclusions, predictions, and/or decisions derived from data	Students will understand that... Reviewing for STAAR assessment will be based on their abilities and needs as a class.	Students will understand that... Estimation helps solve problems mentally and assess the reasonableness of an answer. Geometric, spatial, and measurement reasoning are essential to visualize and describe shapes and attributes. Fractions can be represented in an infinite number of ways that have the same value Computation is flexible and needs to be accurate and efficient.
TEKS	5.4H, 5.5A, 5.4G, 5.6A, 5.6B, 5.7A 4.5B, 4.6A, 4.6B, 4.6C, 4.6D, 4.7A	5.4C, 5.4D, 5.8A, 5.8B, 5.8C	5.9A, 5.9B, 5.9C 4.9A, 4.9B	Targeted Learning/Review of All 5th TEKS	5.3A, 5.4B, 5.4F, 5.3H, 5.3I, 5.3J, 5.3L, 5.4E 4.7A, 4.7B, 4.7C, 4.7D, 4.7E