Mt. Zion High School Curriculum Map

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Quarter	Essential Skills	Strategies and Activities	CC Standards	Assessments
1	Unit 1: Whole Numbers -Students will write numbers in standard form and expanded form. -Students will identify the place value of whole numbers. -Students will round whole numbers to a given place value. -Students will add whole numbers. -Students will subtract whole numbers. -Students will multiply whole numbers. -Students will divide whole numbers. -Students will determine which operation to use for a given word problem involving whole numbers, and will solve it.	note-taking deltamath guided practice individual practice multiplying pixel art jeopardy review escape room activity	N/A	Daily Homework Quiz 1-1 to 1-3 Unit 1 Test
1/2	Unit 2: Data Collection -Students will display a set of data on a line plot. -Students will analyze a set of data that is displayed on a line plot. -Students will calculate the mean, median, mode, and range for a set of data. -Students will answer questions about a set of data that is displayed in a bar graph. -Students will create a bar graph for a set of data. -Students will answer questions about a set of data that is displayed in a histogram. -Students will create a frequency table and a histogram for a set of data. -Students will answer questions about a set of data that is displayed in a line graph.	note-taking deltamath guided practice individual practice skittles graphing activity line graphs with Google Sheets activity	6.SP.2 6.SP.3 6.SP.4 6.SP.5	Daily Homework Quiz 2-1 to 2-3 Quiz 2-4 to 2-6 Data Collection Project

1/2	-Students will create a line graph for a set of data. -Students will answer questions about a set of data that is displayed in a scatter plot. -Students will determine if two sets of data show a positive, negative, or no correlation based on the scatter plot -Students will create a scatter plot for a set of data. Unit 3: Integers and Coordinate Plane -Students will compare and order integers, and find the absolute value of an expression. -Students will be able to choose an integer to represent a real-life situation. -Students will locate an integer on a number line. -Students will add two or more integers. -Students will subtract integers. -Students will multiply integers. -Students will divide integers. -Students will solve word problems containing integers. -Students will plot points on the	note-taking deltamath guided practice individual practice adding integers pixel art review coloring activity mystery graph picture coordinate plane google slides activity coordinate plane pixel art	7.NS.1b 7.NS.1c 7.NS.2a 7.NS.2b	Daily Homework Quiz 3-1 to 3-4 Unit 3 Test
2/3	coordinate plane. Unit 4: Fractions -Students will write equivalent fractions for a given fraction. -Students will compare and order fractions. -Students will convert between a mixed number and improper fraction. -Students will write a fraction in simplest form. -Students will add fractions. -Students will subtract fractions. -Students will multiply fractions.	note-taking deltamath guided practice individual practice equivalent fractions bingo	8.NS.1 7.NS.2c A.SSE.2 7.NS.1d	Daily Homework Quiz 4-1 to 4-4 Unit 4 Test

3	-Students will divide fractions. Unit 5: Probability -Students will describe a situation using probability language (impossible, unlikely, equally likely, likely, certain). -Students will list the sample space for an experiment. -Students will find simple probability as a fraction in simplest form. -Students will find compound probability as a fraction in simplest form. -Students will create a tree diagram to show all possible combinations for a given scenario. -Students will use the counting principle to determine the number of possible combinations for a scenario.	note-taking deltamath guided practice individual practice heads or tails experiment rock/paper/scissors experiment	N/A	Daily Homework Quiz 5-1 to 5-3 Unit 5 Test
3/4	Unit 6: Decimals -Students will write numbers in standard form and expanded form. -Students will identify the place value of decimals. -Students will round decimals to a given place value. -Students will add decimals. -Students will subtract decimals. -Students will multiply decimals. -Students will determine which operation to use for a given word problem involving decimals, and will solve it.	note-taking deltamath guided practice individual practice rounding and comparing decimals pixel art	N/A	Daily Homework Quiz 6-1 to 6-4 Unit 6 Test
4	Unit 7: Introduction to Algebra -Students will count terms in an algebraic expression. -Students will identify coefficients. -Students will identify like and unlike terms.	note-taking deltamath guided practice individual practice equation coloring review	A.SSE.1a A.SSE.2 A.SSE.1b A.REI.10	Daily Homework Quiz 7-1 to 7-4 Unit 7 Test

4	-Students will combine like terms to simplify an expression. -Students will use the distributive property to simplify an expression. -Students will use inverse operations to solve a two-step equation. -Students will write and solve a two-step equation to model a given word problem. Unit 8: Ratios and Proportions -Students will write ratios in 3 ways comparing both part to part and part to whole. -Students will write a ratio as a fraction in simplest form. -Students will find unit rates and label them correctly. -Students will use products to determine if two ratios form a proportion. -Students will solve for a missing number in a proportion. -Students will use a proportion to solve word problems. -Students will represent quantities as a percent.	note-taking deltamath guided practice individual practice		Daily Homework Quiz 8-1 to 8-4