| Pacing Guide | Standard Code \& Indicator | Sample Learning Activities | Sample Assessments | Additional Standards |
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| August-October | 6.NS. 2 Fluently divide multi-digit numbers using the standard algorithm. <br> 6.NS. 3 Fluently add, subtract, multiply, and divide multi-digit decimals using the standard algorithm for each operation. <br> 6.NS. 5 Understand that positive and negative numbers are used together to describe quantities having opposite directions or values, use positive and negative numbers to represent quantities in real-world contexts, explaining the meaning of 0 in each situation. <br> 6.NS. 4 Find the greatest common factor of two whole numbers less than or equal to 100 and the least common multiple of two whole numbers less than or equal to 12. Use the distributive property to express a sum of two whole numbers $1-100$ with a common factor as a multiple of a sum of two whole numbers with no common factor. | -Divide whole numbers <br> -Add, Subtract, Multiply and Divide Decimals <br> -Define and identify Integers <br> -Comparing and Ordering Integers <br> -Adding, Subtracting, <br> Multiplying and <br> Dividing Integers <br> -Understanding <br> Exponents <br> -Identify and apply the Order of Operations <br> -Determine the GCF and LCM | Formative <br> Assessments: <br> Quizzes <br> Homework/Classwork <br> Teacher Observation <br> Decimals Quiz <br> Order of Operation <br> Poster <br> Summative <br> Assessments: <br> Chapter Test <br> Benchmark <br> Assessment: <br> LinkIt BOY Benchmark <br> BOY Benchmark <br> Accommodations and Modifications | Interdisciplinary Standard W 6.2D Using precise language, students will write vocabulary rich, read world math problems demonstrating understanding of decimals for their partner to solve. <br> Technology Standard: 9.4.8.TL.6: Collaborate to develop work that provides perspectives on a real-world problem. |


|  | 6.NS. 1 Interpret and compute quotients of fractions, and solve word problems involving division of fractions by fractions, e.g., by using visual fraction models and equations to represent the problem. | -Apply Prime <br> Factorization <br> -Turning fractions to decimals <br> Add, Subtract, Multiply and Divide Fractions <br> - Interpret and compute quotients of fractions <br> Instructional <br> Resources: <br> Big Ideas Math <br> Program <br> Teacher Created <br> Resources <br> Teacher Technology: <br> Activ Panel <br> Activ View <br> Kahoot <br> Student Technology: <br> Google Classroom <br> Chromebooks <br> Study Island <br> MathIXL |  |  |
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| NovemberDecember | 6.SP. 1 Recognize a statistical question as one that anticipates variability in the | -Define and recognize a statistical question | Formative Assessments: | Interdisciplinary Standard: |



|  | 6.SP.5.c Giving quantitative measures of center (median and/or mean) and variability (interquartile range and/or mean absolute deviation), as well as describing any overall pattern and any striking deviations from the overall pattern with reference to the context in which the data were gathered. <br> 6.SP.5.d Relating the choice of measures of center and variability to the shape of the data distribution and the context in which the data were gathered. | Google Classroom Chromebooks Study Island MathIXL |  |  |
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| DecemberJanuary | 6.NS.C. 6 Understand a rational number as a point on the number line. Extend number line diagrams and coordinate axes familiar from previous grades to represent points on the line and in the plane with negative number coordinates. <br> 6.NS.C. 6 a Recognize opposite signs of numbers as indicating locations on opposite sides of 0 on the number line; recognize that the opposite of the opposite of a number is the number itself, e.g., $-(-3)=3$, and that 0 is its own opposite. <br> 6.NS.C.6c Find and position integers and other rational numbers on a horizontal or vertical number line | -Plot Ordered Pairs <br> -Understand and use a coordinate plane <br> -Identify the X and Y axis <br> -Understand and identify the different Quadrants <br> -Determine the coordinate of a provided dot <br> -Apply understanding of quadrants, axis and ordered pairs | Formative <br> Assessments: <br> Quizzes <br> Homework/Classwork <br> Teacher Observation Coordinate Graph Quiz <br> Summative <br> Assessments: <br> Chapter Test <br> Plot Chart Art Creation <br> Accommodations and <br> Modifications | Interdisciplinary Standard PE <br> 2.2.8.MSC.1: Students <br> will write and dictate movement sequences for their partner in order to be "plotted" on the life-size quadrant. <br> Technology Standard: 9.4.8.TL.6: Collaborate to develop work that provides perspectives on a real-world problem. |



|  | 6.NS.C.7d Distinguish comparisons of absolute value from statements about order. <br> 6.NS.C. 8 Solve real-world and mathematical problems by graphing points in all four quadrants of the coordinate plane. Include use of coordinates and absolute value to find distances between points with the same first coordinate or the same second coordinate. <br> 6.G.A. 3 Draw polygons in the coordinate plane given coordinates for the vertices; use coordinates to find the length of a side joining points with the same first coordinate or the same second coordinate. Apply these techniques in the context of solving real-world and mathematical problems. <br> 6.EE.C. 9 Use variables to represent two quantities in a real-world problem that change in relationship to one another; write an equation to express one quantity, thought of as the dependent variable, in terms of the other quantity, thought of as the independent variable. | Google Classroom <br> Chromebooks <br> Study Island <br> MathIXL |  |  |
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| February-March |  | -Define, understand and solve problems with Ratios | Formative <br> Assessments: <br> Quizzes <br> Homework/Classwork | Interdisciplinary Standard: Science MS-PS2-1 Applying unit rate problems to |



|  | transform units appropriately when multiplying or dividing quantities. | Chromebooks <br> Study Island MathIXL |  |  |
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| March/April | 6.EE.A. 1 Write and evaluate numerical expressions involving whole-number exponents <br> 6.EE.A. 2 Write, read, and evaluate expressions in which letters stand for numbers. <br> 6.EE.A 2. a Write expressions that record operations with numbers and with letters standing for numbers. <br> 6.EE.A.2.b Identify parts of an expression using mathematical terms (sum, term, product, factor, quotient, coefficient); view one or more parts of an expression as a single entity. <br> 6.EE.A.2.c Evaluate expressions at specific values of their variables. Include expressions that arise from formulas used in real-world problems. Perform arithmetic operations, including those involving whole-number exponents, in the conventional order when there are no parentheses to specify a particular order <br> 6.EE.A.3Apply the properties of operations to generate equivalent expressions. | -Identify and understand variables and expressions <br> -Read, write and evaluate equations <br> -Use and solve equations <br> -Define and apply understanding of the Distributive Property <br> -Solve Inequalities <br> -Evaluate expressions at specific values of their variables. <br> -Create equivalent expressions <br> Instructional <br> Resources: <br> Big Ideas Math <br> Program <br> Teacher Created Resources | Formative <br> Assessments: <br> Quizzes <br> Homework/Classwork <br> Teacher Observation <br> Inequalities Check In <br> Summative <br> Assessments: <br> Chapter Test <br> Accommodations and Modifications | Interdisciplinary Standard W 6.2 Write the steps, using academic vocabulary and appropriate transitions, to solving for a variable. <br> Technology Standard: 9.4.8.TL.6: Collaborate to develop work that provides perspectives on a real-world problem. |


|  | 6.EE.A. 4 Identify when two expressions are equivalent <br> 6.EE.B. 5 Understand solving an equation or inequality as a process of answering a question: which values from a specified set, if any, make the equation or inequality true? Use substitution to determine whether a given number in a specified set makes an equation or inequality true. <br> 6.EE.B. 6 Use variables to represent numbers and write expressions when solving a real-world or mathematical problem; understand that a variable can represent an unknown number, or, depending on the purpose at hand, any number in a specified set. <br> 6.EE.B. 7 Solve real-world and mathematical problems by writing and solving equations of the form $x+p=q$ and $p x=q$ for cases in which $p, q$ and $x$ are all nonnegative rational numbers. <br> 6.EE.B. 8 Write an inequality of the form $x>c$ or $x<c$ to represent a constraint or condition in a real-world or mathematical problem. Recognize that inequalities of the form $x>c$ or $x<\mathrm{c}$ have infinitely many solutions; represent | Teacher Technology: <br> Activ Panel <br> Activ View <br> Kahoot <br> Student Technology: <br> Google Classroom <br> Chromebooks <br> Study Island <br> MathIXL |  |  |
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|  | solutions of such inequalities on number line diagrams. |  |  |  |
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| April-June | 6.G.1 Find the area of right triangles, other triangles, special quadrilaterals, and polygons by composing into rectangles or decomposing into triangles and other shapes; apply these techniques in the context of solving real-world and mathematical problems. <br> 6.G.2 Find the volume of a right rectangular prism with fractional edge lengths by packing it with unit cubes of the appropriate unit fraction edge lengths, and show that the volume is the same as would be found by multiplying the edge lengths of the prism. Apply the formulas $V=l w h$ and $V=B h$ to find volumes of right rectangular prisms with fractional edge lengths in the context of solving real-world and mathematical problems. <br> 6.G. 4 Represent three-dimensional figures using nets made up of rectangles and triangles, and use the nets to find the surface area of these figures. Apply these techniques in the context of solving real-world and mathematical problems. <br> 6.NS. 3 Fluently add, subtract, multiply, and divide multi-digit decimals using the standard algorithm for each operation. | -Define Area <br> -Determine the area of various shapes <br> -Define volume <br> -Determine the volume of various shapes such as a right rectangular prism <br> -Apply the formulas for determining area and volume <br> -Understand and identify 3D figures and represent them using nets made up of rectangles and triangles <br> -Understand and apply knowledge of: nets <br> -Discuss and determine: Surface Area <br> -Learn how to Balance a checkbook by | Formative <br> Assessments: <br> Quizzes <br> Homework/Classwork <br> Teacher Observation <br> Area and Volume Quiz <br> Summative <br> Assessments: <br> Chapter Test <br> Benchmark <br> Assessments: <br> LinkIt EOY Benchmark <br> EOY Benchmark <br> Accommodations and <br> Modifications | Interdisciplinary <br> Standard: <br> SL 6.2 Shape (Area and volume) Group Escape Room <br> Technology Standard: 9.4.8.TL.6: Collaborate to develop work that provides perspectives on a real-world problem. |



Alternate Assessments: Checkbook Analysis; Where in the World is our principal? (Coordinate Application)
21st Century Standards: 9.1.8.E.1 \& 9.2.8.B.3
21st Century Skills: Critical Thinking, Collaboration \& Productivity
Career Ready Practices: CRP 2, CRP 3 and CRP 8

