Grade 3 Math Overview

**Operations and Algebraic Thinking**
- Represent and solve problems involving multiplication and division.
- Understand properties of multiplication and the relationship between multiplication and division.
- Multiply and divide within 100.
- Solve problems involving the four operations, and identify and explain patterns in arithmetic.

**Number and Operations in Base Ten**
- Use place value understanding and properties of operations to perform multi-digit arithmetic.

**Number and Operations Fractions**
- Develop understanding as fractions as numbers.

**Measurement and Data**
- Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects.
- Represent and interpret data.
- Geometric measurement: understand concepts of area and relate area to multiplication and addition.
- Geometric measurement: recognize perimeter as an attribute of plane figures and distinguish between linear and area measures.

**Geometry**
- Reason with shapes and their attributes.
<table>
<thead>
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<th>First Quarter</th>
<th>Second Quarter</th>
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| **OA.1** - Represent and solve multiplication and division problems with two factors.  
**OA.2** - Interpret the divisor and quotient in a division equation representing the number of equal groups.  
**OA.3** - Represent, interpret and solve one-step problems involving multiplication and division  
**OA.9** - Interpret patterns of multiplication on a hundreds board and/or multiplication table  
**NBT.2** - Add and subtract whole numbers up to and including 1,000  
**OA.8** - Solve two-step word problems using addition, subtraction, multiplication and division | **OA.1** - Represent and solve multiplication and division problems with two factors.  
**OA.2** - Interpret the divisor and quotient in a division equation representing the number of equal groups.  
**OA.3** - Represent, interpret and solve one-step problems involving multiplication and division  
**OA.6** - Solve unknown factor problem using division  
**OA.8** - Solve two-step word problems using addition, subtraction, multiplication and division  
**OA.9** - Interpret patterns of multiplication on a hundreds board and/or multiplication table  
**NBT.3** - Find the product of a one-digit number by a multiple of 10  
**G.1** - Reason with two-dimensional shapes and their attributes  
**MD.5** - Find the area of a rectangle  
**MD.7** - Relate area to operations of addition and multiplication  
**MD.8** - Find the perimeter of a polygon (given side lengths & finding unknown side) |
| **MD.3** - Represent and interpret picture graphs, bar graphs and frequency tables - Solve word problems |  |
| **Third Quarter** | **Fourth Quarter** |
| **NF.1** - Interpret and understand unit fractions  
**NF.2** - Interpret fractions using area and length models  
**NF.3** - Represent equivalent fractions with area and length models  
**NF.4** - Compare two fractions  
**MD.1** - Tell and write time to the nearest minute. Solve word problems within the hour  
**MD.2** - Solve problems (including word problems) with customary measurement - length, weight & capacity | Spiral Review of all Standards in the third grade math curriculum |