NFCSD – Elementary School Math Overview

**Grade 1 Overview**

**Mathematical Practices**

1. Make sense of problems and persevere in solving them.

2. Reason abstractly and quantitatively.

3. Construct viable arguments and critique the reasoning of others.

4. Model with mathematics.

5. Use appropriate tools strategically.

6. Attend to precision.

7. Look for and make use of structure.

8. Look for and express regularity in repeated reasoning.

**Operations and Algebraic Thinking**

• Represent and solve problems involving

addition and subtraction.

• Understand and apply properties of operations

and the relationship between addition and

subtraction.

• Add and subtract within 20.

• Work with addition and subtraction equations.

**Number and Operations in Base Ten**

• Extend the counting sequence.

• Understand place value.

• Use place value understanding and properties

of operations to add and subtract.

**Measurement and Data**

• Measure lengths indirectly and by iterating

length units.

• Tell and write time and money.

• Represent and interpret data.

**Geometry**

• Reason with shapes and their attributes.

**\*Fluency Expectations**

**ADD AND SUBTRACT WITHIN 10**

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|  | **REPORT CARD BENCHMARKS** |
| **Quarter 1** | **OA.5-** Relate counting to addition and subtraction  **OA.6**- Add and Subtract within 20 demonstrating fluency for addition and subtraction within 10.  **OA.7-** Understands the equal sign, and determines if equations involving addition and subtraction are true or false.  **OA.8**- Determine the unknown whole number in an addition or subtraction equation relating 3 whole numbers. |
| **Quarter 2** | **OA.2**- Solve word problems that call for addition of three whole numbers whose sum is less than or = to 20.  **OA.3-** Apply properties of operations as strategies to add and subtract. **OA.1**- Use addition and subtraction within 20 to solve word problems.  **OA.4** Understand Subtraction as an Unknown Addend Problem.  **NBT.2b** Understand that the 2 digits of a 2 digit number represent amounts of tens and ones. |
| **Quarter 3** | **NBT.1-** Count, read, write and represent a number of objects to 120. **NBT.3-** Compare 2 two-digit numbers with the symbols >, =, and <. **NBT.5-** Mentally find 10 more or 10 less than a two-digit number.  **MD.2-** Express the length of an object as a whole number of length units.  **MD.4-**Represent and interpret data |
| **Quarter 4** | **MD.3-Tell and write time and money**  **G.3-** Partition circles and rectangles into two and four equal shares, and describe the shares using the words halves, fourths, and quarters. **NBT.6-** Subtract multiples of 10 in the range 10-90 using a variety of strategies and explain the reasoning used.  **NBT.4-**Add within 100, including adding a two-digit number and a one-digit number, using a variety of strategies and explain the reasoning used. |