NFCSD – Elementary School Math Overview

**Grade 2 Overview**

**Operations and Algebraic Thinking**

• Represent and solve problems involving

 addition and subtraction.

• Add and subtract within 20.

• Work with equal groups of objects to gain

 foundations for multiplication.

**Number and Operations in Base Ten**

• Understand place value.

• Use place value understanding and properties

 of operations to add and subtract.

**Measurement and Data**

• Measure and estimate lengths in standard

 units.

• Relate addition and subtraction to length.

• Work with time and money.

• Represent and interpret data.

**Geometry**

• Reason with shapes and their attributes.

**\*Fluency Expectations**

 **ADD AND SUBTRACT WITHIN 20** by end of year,

 know from memory all sums of two one-digit

 numbers.

 **ADD AND SUBTRACT WITHIN 100**

 **(**paper and pencil)

**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.

|  |  |
| --- | --- |
|  | **REPORT CARD BENCHMARKS** |
| Q1 | **OA1**- Use addition and subtraction within 1000 to solve one and two-step word problems. **NBT1**- Understand place value up to 3 digits. ***NBT2****-* Count within 1000; skip-count by 5’s, 10’s and 100’s.**NBT3**- Read and write numbers to 1000 using base-ten numerals, number names, and  expanded form. **NBT4**- Compare two three digit numbers using the symbols <,> and =.  |
| Q2 | **NBT5**- Solve problems (two and three digit numbers) involving addition and subtraction  using a variety of strategies. **NBT6**-Add up to 4 two-digit numbers using strategies based on place value and properties  of operations. **NBT7**-Add and subtract within 200 using various strategies including composing and  decomposing numbers.**NBT8***-*Mentally add and subtract 10 of 100, to or from a given number 100-900.**NBT9**- Explain why addition and subtraction strategies work, using place value and  properties of operations. |
| Q3 | **NBT7**-Add and subtract within 1000 using various strategies including composing and  decomposing numbers.**MD1** –Measure length in standard units using appropriate tools.**MD4**- Measure to determine how much longer one object is than another**MD8**-Solve word problems involving dollar bills, quarters, dimes nickels and pennies,  using $ and ¢ symbols appropriately. |
| Q4 | **MD10-** Represent, interpret, and solve problems involving picture graphs and bar graphs **MD7**- Tell and write time from analog and digital clocks to the nearest five minutes using a.m. and p.m. **G1 -** Recognize and draw triangles, quadrilaterals, pentagons, hexagons and cubes;  and identify their attributes. **OA2**- Fluently add and subtract within 20 |