NFCSD – Elementary School Math Overview

**Grade K 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.

**Counting and Cardinality**

• Know number names and the count sequence.

• Count to tell the number of objects.

• Compare numbers.

**Operations and Algebraic Thinking**

• Understand addition as putting together and

 adding to, and understand subtraction as

 taking apart and taking from.

**Number and Operations in Base Ten**

• Work with numbers 11–19 to gain foundations

 for place value.

**Measurement and Data**

• Describe and compare measurable attributes.

• Classify objects and count the number of

 objects in categories.

**Geometry**

• Identify and describe shapes.

• Analyze, compare, create, and compose

 shapes.

**\*Fluency Expectations**

 **ADD AND SUBTRACT WITHIN 5**

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|  | **REPORT CARD BENCHMARKS** |
| **Quarter 1** | **KCC3**- Writes and represents numbers 0-10.**NFCSD**- Verbally count numbers to 10. **KMD3-** Classify objects into given categories and sort by count**KCC4-** Represents numbers 1-10 with objects illustrations, and drawings. |
| **Quarter 2** | **KG2-3** Identify and describe 2 dimensional shapes.**KG2-3** Identify and describe 3 dimensional shapes.**KMD1-**Describe and compare measureable attributes of objects, (length, weight, and height).**KCC7-**Compare two numbers, between 1-10, presented as written numerals. |
| **Quarter 3** | **KCC6-** Compare items in a group to determine equal, greater than, or less than.**KOA3**-Decompose numbers less than or equal to 10 into pairs in more than one way.**KOA2-** Solve addition and subtraction word problems add and subtract within 10.**KOA1-** Represent addition and subtraction in various ways. |
| **Quarter 4** | **KCC1-**  Count to 100 by ones and by tens.**KCC3-** Writes and represents numbers to 20.**KNBT1-** Compose and decompose numbers from 11-19 into tens, ones, and some further ones.**KG6-** Analyze, compare, and compose shapes. |