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| **Grade 1 Mathematics** |
| **SES Standard** | **State Standard** |
| **Strand:** Number Sense and Numeration |  |
| * Read and write numbers to 100
* Arrange numbers in various order, sequence and pattern
* Count by 2s, 5s and 10s to 100
* Recognize ordinal numbers through 30th
* Compare numbers and use terms more than, less than and equal to
* Begin to round whole numbers to nearest ten
* Identify odd and even numbers
* Begin basis for multiplication by understanding sets and grouping
* Use appropriate vocabulary, solve word problems with skills, concepts and mental math
* Solve problems using mental math
 | M:N&O:1:1M:N&O:1:2M:DSP:1:2M:PRP:2:1M:PRP:2:2M:CCR:2:1M:CCR:2:2M:CCR:2:3 |
| **Strand:** Sets |  |
| * Introduce idea of sets, and members of sets using sorting, and Venn diagrams
* Recognize and construct basic patterns and patterns using two attributes (ie: number and color)
* Use appropriate vocabulary, solve word problems with skills, concepts and mental math
 | M:F&A:1:1M:PRP:2:1M:PRP:2:2M:CCR:2:1M:CCR:2:2M:CCR:2:3 |
| **Strand:** Computation |  |
| * Basic operations of addition of subtraction using manipulatives
* Write and interpret addition and subtraction equations
* Understand commutative and associative properties of addition using fact families
* Use estimation techniques such as rounding to predict outcomes
* Use appropriate vocabulary, solve word problems with skills, concepts and mental math
* Develop fluency with addition and subtraction facts
 | M:N&O:1:3M:N&O:1:6M:N&O:1:7M:N&O:1:8M:F&A:1:4M:PRP:2:1M:PRP:2:2M:CCR:2:1M:CCR:2:2M:CCR:2:3 |
| **Strand:** Consumer Math |  |
| * Interpret and construct calendars
* Tell time using standard and digital clocks
* Identify coins, coin values and combinations of coins
* Make change under $1.00
* Perform addition and subtraction using money (without borrowing)
* Use appropriate vocabulary, solve word problems with skills, concepts and mental math
 | M:N&O:1:5M:PRP:2:1M:PRP:2:2M:CCR:2:1M:CCR:2:2M:CCR:2:3 |
| **Strand:** Fractions |  |
| * Model fractions using manipulatives
* Recognize numbers written as fractions
* Understand the concepts of parts and whole
* Use appropriate vocabulary, solve word problems with skills, concepts and mental math
 | M:PRP:2:1M:PRP:2:2M:CCR:2:1M:CCR:2:2M:CCR:2:3 |
| **Strand:** Measurement |  |
| * Measure length and width using non/standard units
* Develop spatial sense of length, capacity, weight, time and temperature
* Use appropriate measuring tools
 | M:G&M:1:6 M:CCR:2:2M:G&M:1:7 M:CCR:2:3M:G&M:1:8M:G&M:1:9M:CCR:2:1 |
| **Strand:** Geometry |  |
| * Name, describe, model and classify plane and solid shapes
* Develop spatial sense
* Identify relationships between plane and solid figures
* Investigate results of combining, subdividing and changing shapes
* Identify symmetry, congruence and similarity
* Use appropriate vocabulary, solve word problems with skills, concepts and mental math
 | M:G&M:1:1M:G&M:1:3M:G&M:1:4M:G&M:1:6M:PRP:2:1M:PRP:2:2M:CCR:2:1M:CCR:2:2M:CCR:2:3 |
| **Strand:** Statistics and Probability |  |
| * Collect, record and describe data
* Construct, read and interpret displays of data (i.e. tallies, bar graphs and pictographs)
* Make inferences based on data
* Use appropriate vocabulary, solve word problems with skills, concepts and mental math
 | M:DSP:1:1M:DSP:1:5M:PRP:2:1M:PRP:2:2M:CCR:2:1M:CCR:2:2M:CCR:2:3 |
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