Math Curriculum Map
Grade One

First Quarter Skills Chapters 1-3

Count, read, and write whole numbers to 30.
Compare and order whole numbers to 30.
Problem solve by choosing a strategy.
Model addition by joining groups to make facts with sums of 0-12.
  *counters
  *ten frames
  *part/part whole
Write addition sentences using + =
Write vertical and horizontal addition facts.
Model subtraction to show how many are left. Differences of 0-12.
  *counters
  *part/part whole
Write subtraction sentences using - =
Write vertical and horizontal subtraction facts.

Common Core State Standard

1.NBT.1 – Start at any number less than 120. Read, write, and represent a number.
1.NBT.3 – Compare two numbers using <, > and =.
1.OA.1 – Add and subtract within 20 to solve word problems about combining or separating.
1.OA.3 – Apply the commutative property of addition.
1.OA.7 – Understand the = sign. Determine if an equation is true or false.
1.OA.8 – Find the missing number in an addition or subtraction equation.
1.OA.4 – Relate subtraction to finding a missing addend.

Second Quarter Skills Chapters 4-7

Count, read, and write numbers to 60.
Compare and order whole numbers to 60
Collects, organizes, and interprets data.
  *Venn diagrams
  *picture graphs
  *tally charts
  *bar graphs
  *tables
Problem solves by choosing a strategy.

1.MD.4 – Organize, represent, and interpret data with up to 3 categories.

Develop addition strategies
    *related facts to 12
    *commutative property of addition
    *count on from greater #
    *number line
    *doubles facts
    *doubles plus 1 facts
    *add three numbers
Develop subtraction strategies.
    *count back
    *number line
    *use doubles to subtract
    *inverse operation
    *fact families to 12
Time
    *read and write time to the
    hour and half hour
    *analog clocks
    *digital clocks
    *draw hands on clock

1.OA.1 – Add and subtract within 20 to solve word problems about combining or separating.
1.OA.5 – Relate counting to addition and subtraction. (counting on or back)
1.OA.3 – Apply the commutative property of addition.
1.OA.6 – Add and subtract within 20 (use various strategies).
1.OA.2 – Solve word problems that call for addition of three whole numbers with sums less than 20.

1.MD.3 – Tell and write time to the hour and half-hours using analog and digital clocks.

Third Quarter Skills Chapters 8-10, 12

Count, read, and write numbers to 120.
Compare and order numbers
Number Patterns
    *count by tens to 120
    *ten more and ten less
Place Value
    *tens and ones
    *groups of ten
Measurement
    *compare and order lengths
    *use nonstandard units
    *problem solve
    *compare

1.NBT.1 – Start at any number less than 120. Read, write, and represent a number.
1.NBT.2 - Understand that two digits of a two-digit number represent amounts of tens and ones.
1.MD.1 – Order three objects by length. Compare the lengths of two objects indirectly by using a third object.
1.MD.2 – Repeat a short object end to end to measure a longer object.

Develop addition and subtraction strategies.
    *use doubles facts
    *use doubles plus 1
    *make a ten
    *fact families
    *problem solve
    *part/part whole using addition
    and subtraction

Geometric Figures
    *compose two dimensional shapes
    from thee dimensional shapes
    *identify, describe, and compare
    attributes of two dimensional shapes.
    *problem solve

1.OA.1 – Add and subtract within 20 to solve word problems about combining or separating.

1.OA.2 – Add and subtract within 20 to solve word problems.

1.OA.3 – Apply the commutative and associative properties of addition.

1.OA.4 – Understand subtraction as an unknown-addend problem.

1.OA.5 – Relate counting to addition and subtraction. (counting on, counting back).

1.OA.6 – Add and subtract within 20, demonstrating fluency within 10.

1.OA.8 – Determine the missing number in an addition or subtraction equation.

1.G.1 – Sort and draw shapes by attributes.

1.G.2 – Compose 2D or 3D shapes to create a composite shape. Compose new shapes from the composite shape.

1NBT.5 – Mentally find 10 ten more or ten less than a number. Explain the reasoning used.

Fourth Quarter Skills Chapters 13 – 15

Place Value
    *create sets of tens and ones
    *# to 100 using tens and ones
    *compare, read, write, and order
    numbers to 120
    *problem solve

Fractions
    *identify equal parts

1.NBT.1 – Count to 120 starting at any number.

1.NBT.2 – A number is composed of tens and ones.

1.NBT.3 – Compare two two-digit numbers based on meanings of tens and ones using <,>, and =.

1.G.3 – Divide circles and rectangles

*divide in halves, thirds, and fourths
*use correct vocabulary to describe fractions: halves, fourths, quarters, half of, fourth of, and quarter of
*parts of a set
*problem solve

Two-Digit Addition and Subtraction
*use base ten blocks to add and
*subtract tens
*add and subtract without regrouping within 100
*compose ten using addition
*add and subtract multiples of ten

into two and four equal shares. Describe the shares of wholes using words halves, fourths, and quarters.
1.G.3 – Describe the whole as two of, or four of the shares. Understand decomposing more equal shares creates smaller shares.
1.NBT.4 – Add within 100 using models or drawings. Add a two-digit number and a one-digit number. Add a two-digit number and a multiple of ten. Add two two-digit numbers, with or without composing a ten.
1.NBT.6 – Subtract with multiples of ten using models or drawings, place value, or by relating to addition.