Math – Common Core Planning Kindergarten

Carolina Forest/Morton Elementary Kindergarten Teachers

Resources we have:

Manipulatives

Envisions

Technology

Mimio

Visual Learning – envisions videos

IPAD Appas

NC Math kit

Physical resources

Resources we need:

Base ten block sets manipulatives – check other grades

Shape construction

Posters

Counting & Cardinality

         Know number names to 20 (orally)

         Counting by 1’s to 10’s

         Compare numbers/objectives to 20

         Representation of numbers

         Number names written to?

Operations and Algebraic Thinking

         Adding is putting things together

         Fluent adding to 5

         Add & Subtract within 10 objects

         Break apart 10 or less (number families)

         Making 10

         Using word problems

         Fluently +/- to 5 (define fluent? Shared understanding)

Number in Base Ten

         Use 11-19 to explore place value (7. 11, 21, 32)

Measurement & Data

         What data (if any) has really moved?

         Measurable attribute (height, length, weight, quantity, color)

o   Single and multiple attributes of an object

o   Graphing used by not in the curriculum

o   More/less

         Counting objects in categories

Geometry

         Representing shapes in different ways/orientation

         Positional words

         2D + 3D

         Other expectations:

o   Be able to draw shapes

Non-negotiables:

         Number sense (counting/cardinality & NBT)

o   Count by 1s to 100

o   Know #s 0-20 in all ways (1 more/1 less)

o   Recognize and represent #s (0-20)

o   Knowing numbers orally (to 100) and visually (to 25)

o   Differentiate 10s and

o   Be able think critically and use problem solving skills – understand the why – kids can answer why they solved something they way they did

o   Count on from any digit up to 100

o

         Geometry

o   Recognize, name , and model shapes from the common core list (real world representation, environmental representation)

o   Join 2 shapes to make a new shape

o   Know necessary properties of shapes

o   Know , use, and converse about positional words (CC list)

         Measurement & Data

o   Comparing size, shape, color, (multiple attributes)

o   More and less with 20

o   Choose and sort with a student generated reason

         Operations & Algebraic Thinking

o   How to make 10

o   Break apart fluently to 20 (compose and decompose)

o   Create and represent 5