

NRSD Curriculum Standards for Math - preKindergarten

Standards for Mathematical Practice

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

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Counting and Cardinality (CC)

Know number names and the count sequence.

MA.PK.CC.1 Listen to and say the names of numbers in meaningful contexts (e.g. there are five children sitting at the table).

MA.PK.CC.2 Recognize and name written numerals 0 - 10.

Count to tell the number of objects.

NRSD.PK.CC.3 Match quantities up to at least 10 with numerals.

Compare Numbers

NRSD.PK.CC.4 Count objects and actions up to 10, using one-to-one correspondence. Count as many as seven things in a scattered configuration.

NRSD.PK.CC.5 Compare sets of at least 10 concrete objects using appropriate language (none, more than, fewer than, same number of, one more than) and order numbers.

Operations and Algebraic Thinking (OA)

Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.

MA.PK.OA.1 Use concrete objects to model real world addition (putting together) and subtraction (taking away) problems up through five.

Measurement and Data (MD)

Describe and compare measurable attributes

NRSD.PK.MD.1 Recognize and compare the attributes of length, volume/capacity, weight, area, and time using appropriate language (longer, shorter, taller, same length; heavier, lighter, same weight; holds more, holds less, holds the same amount).

Classify Objects and Count the Number of Objects in Each Category.

MA.PK.MD.3 Sort, categorize, and classify objects by more than one attribute.

Work with money

NRSD.PK.MD.4 Recognize that coins and dollars are money.

Geometry (G)

Identify and describe shapes (squares, circles, triangles, rectangles).

MA.PK.G.1 Identify relative position of objects in space, and use appropriate language (e.g., beside, inside, next to, close to, above, below, apart).

NRSD.PK.G.2 Identify, describe, sort, and draw two dimensional shapes. (formerly K.G.1 & K.G.2)

Analyze, compare, create, and compose shapes.

MA.PK.G.3 Create and represent three-dimensional shapes (ball/sphere, square box/cube, tube/cylinder) using various manipulative materials, such as popsicle sticks, blocks, pipe cleaners, pattern blocks, and so on.