Mathematics Essential Learning Outcomes

Woodson Kindergarten Center

Austin Public Schools #492

Created by WKC Math Curriculum Committee [June 2016]

Contact Woodson Kindergarten Center!

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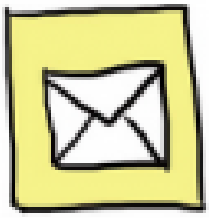

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Woodson Kindergarten Center

What will my child learn in Kindergarten?

By the end of Trimester 1 [September to November] Essential Learning Outcomes

based on the Minnesota Academic Standards

Understanding Numbers and Operations

- ❒ I can recognize that a number can be used to represent how many objects are in a set from 1-10.
- ❒ I can read, write, and represent numbers 1-10.
- ❒ I can count with objects forwards to 10.
- ❒ I can count without objects forward to 10.
- ❒ I can compare numbers with objects 0-10.
- ❒ I can compare numbers without objects 0-10.
- ❒ I can order numbers with objects 0-10.
- ❒ I can order numbers without objects 0-10.

Understanding Geometry

- ❒ I can recognize the following two-dimensional shapes:
  - Squares
  - Circles
  - Triangles
  - Rectangles
- ❒ I can sort objects by color.

Understanding Measurement

- ❒ I can use words to compare objects by length using words like taller/shorter or longer/shorter.

By the end of <u>Trimester 2 [December to February]</u> Essential Learning Outcomes based on the Minnesota Academic Standards

Understanding Numbers and Operations

- ❒ I can recognize that a number can be used to represent how many objects are in a set from 1-20.
- ❒ I can recognize that a number can be used to represent the position of an object in a sequence to find a missing number on a number line.
- ❒ I can read, write, and represent numbers 1-20.
- ❒ I can count with objects forwards to 20.
- ❒ I can count with objects backwards from 10-1.
- ❒ I can count without objects backwards from 10-1.
- ❒ I can find a number 1 more of a given number.
- ❒ I can find a number 1 less of a given number.
- ❒ I can compare numbers with objects 0-20.
- ❒ I can compare numbers without objects 0-20.
- ❒ I can order numbers with objects 0-20.
- ❒ I can order numbers without objects 0-20.
- ❒ I can use objects to find sums of numbers 0-10.
- ❒ I can draw pictures to find sums of numbers 0-10.
- ❒ I can compose numbers up to 10 with objects.
- ❒ I can compose numbers up to 10 with pictures.

Understanding Algebraic Thinking

- ❒ I can identify, complete, and extend simple patterns using:
    - Shapes
    - Color
    - Size
    - Numbers
    - Sounds
    - Movements

Understanding Geometry

- ❒ I can recognize the following two-dimensional shapes:
    - Trapezoids
    - Hexagons
- ❒ I can sort objects by size.
- ❒ I can sort objects by shape.
- ❒ I can use basic shapes and spatial reasoning to model objects in the real-world.

Understanding Measurement

- ❒ I can use words to compare objects by
    - Size using words like bigger/smaller
    - Weight using words like heavier/lighter

By the end of <u>Trimester 3 [March to May]</u> Essential Learning Outcomes

based on the Minnesota Academic Standards

Understanding Numbers and Operations

- ❒ I can read, write, and represent numbers 1-31.
- ❒ I can count with objects backwards from 20-1.
- ❒ I can count without objects backwards from 20-1.
- ❒ I can use objects to find differences of numbers 0-10.
- ❒ I can draw pictures to find differences of numbers 0-10.
- ❒ I can decompose [break down] numbers up to 10 with objects.
- ❒ I can decompose [break down] numbers up to 10 with pictures.

Understanding Algebraic Thinking

- ❒ I can create simple patterns using
    - Shapes
    - Color
    - Size
    - Numbers
    - Sounds
    - Movements

Understanding Geometry

- ❒ I can recognize the following three-dimensional shapes:
    - Cubes
    - Cones
    - Cylinders
    - Spheres
- ❒ I can sort objects by thickness.
- ❒ I can use words to compare objects by position.

Understanding Measurement

- ❒ I can order 2 or 3 objects by length using words like shorter/shortest/longer/longest.
- ❒ I can order 2 or 3 objects by weight using lighter/lightest/heavier/heaviest.