

# Math Activities PK- Training 3

Content Area: **Mathematics**  
Course(s):  
Time Period: **Second Trimester**  
Length: **12 weeks**  
Status: **Published**

## Board Approval and Rationale

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November 23, 2015 Agenda #15

Be it resolved, that revisions to the curriculum listed below, which are aligned to the NJ Core Curriculum Content Standards, Common Core State Standards, Preschool Teaching and Learning Standards, Next Generation Science Standards, and NJ Social Studies Standards, be adopted for use in the Linden Public Schools beginning the 2015-2016 school year

## Unit Overview

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Children will continue to develop the concept of Number (whole numbers, operations, and relationships) through the Time-line Calendar, Weather Graphing, Making Collections, Math Memory, Numerals Game, I Have Who Has Numbers, and Number-line Hopscotch activities. Through puzzles, manipulatives, blocks, Remember and Replicate, Mystery Shape, I Have Who Has Colors, I Have Who Has Shapes, Attribute Game, Venger Drawings, Mystery Numeral and Patterns with Manipulatives, students will continue developing Geometric (spatial relationships and measurement) concepts.

## STAGE 2- EVIDENCE OF LEARNING

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### Formative Assessment During Lesson

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- Anecdotal Notes
- Choral Response
- Observation
- Portfolio Check
- Turn and Talk

### Summative Assessments

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- Portfolio

- Progress Report-Trimester
- Report Card-Trimester

## **STAGE 3- LEARNING PLAN**

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### **Instructional Map**

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#### **Learning Activities:**

- Timeline Calendar
- Weather Graphing
- Remember and Replicate (Level 3)
- Math Memory
- Making Collections
- Mystery Shape
- Mystery Numeral
- Numerals Game
- I Have Who Has Numbers
- Attribute Game
- Venger Drawing
- I Have Who Has Shapes
- Patterns with Manipulatives
- Number line Hopscotch

#### **Additional Activities:**

- Make Believe Play and Practice
- Physical Self-Regulation games
- Mystery Question
- Science Eyes
- Story Lab-Learning Facts
- Puzzles, Manipulatives and Blocks

### **Modifications/Differentiation of Instruction**

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### **Modification/Differentiation Strategies**

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- Mediators
- Modeling
- Picture Cues
- Prompting
- Provide Sensory Level Play
- Redirection
- Tools of the Mind Additional Scaffolds Manual

## **Horizontal Integration- Interdisciplinary Connections**

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Math concepts are woven into Make Believe Play themes. Center activities and Science Eyes provide opportunities to practice these skills. Math concepts are also addressed through literature and fingerplays.

## **Vertical Integration- Discipline Mapping**

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Math activities address number and geometry systematically, with each skill broken down into components and practiced in a sequential way so that the children's skills deepen, are applied to increasingly complex and abstract contexts, and become more fluent. These skills continue to build, setting the groundwork for the Tools of the Mind Kindergarten Curriculum.

## **Additional Materials**

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