



Month: January Week: 3

Subject: Science

Day 1	Topic(s) Foundation(s) • Theme: MLK Jr. • Shape: Triangle • Number: 3 • Color: Blue • Letter: Dd SC1.2: Demonstrate awareness of the physical properties of objects
Indicators	Young Preschool (3s- 4 $\frac{1}{2}$) Older Preschool (4 $\frac{1}{2}$ to 5s) Identify materials that make up objects Identify materials that make up objects



Preschool Curriculum 2024



Activities	
Magical Milk project will allow the children to see how liquid reacts to each other while creating beautiful art. Put in a bowl 1 cup of milk, then add dots of food coloring to the milk. Dip the Q-Tip into the dish soap and then place the tip in the milk to see the reaction and the colors changing. Ask the children during this time what they observed and what they think will happen next.	
Resources and Materials	
Milk, Food coloring, Q-tip, Dawn dish soap, trays, cotton ball	
Topic Related Language/ Key Vocabulary	Supports



Preschool Curriculum 2024

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Day 2	Topic(s) Foundation(s) • Theme: MLK Jr. SC5.1: Demonstrate scientific curiosity • Shape: Triangle • Number: 3 • Color: Blue • Letter: Dd
Indicators	Young Preschool (3s- 4 $\frac{1}{2}$) Older Preschool (4 $\frac{1}{2}$ to 5s) Observe with focus on details Independently use simple tools to conduct an investigation to increase understanding



Preschool Curriculum 2024

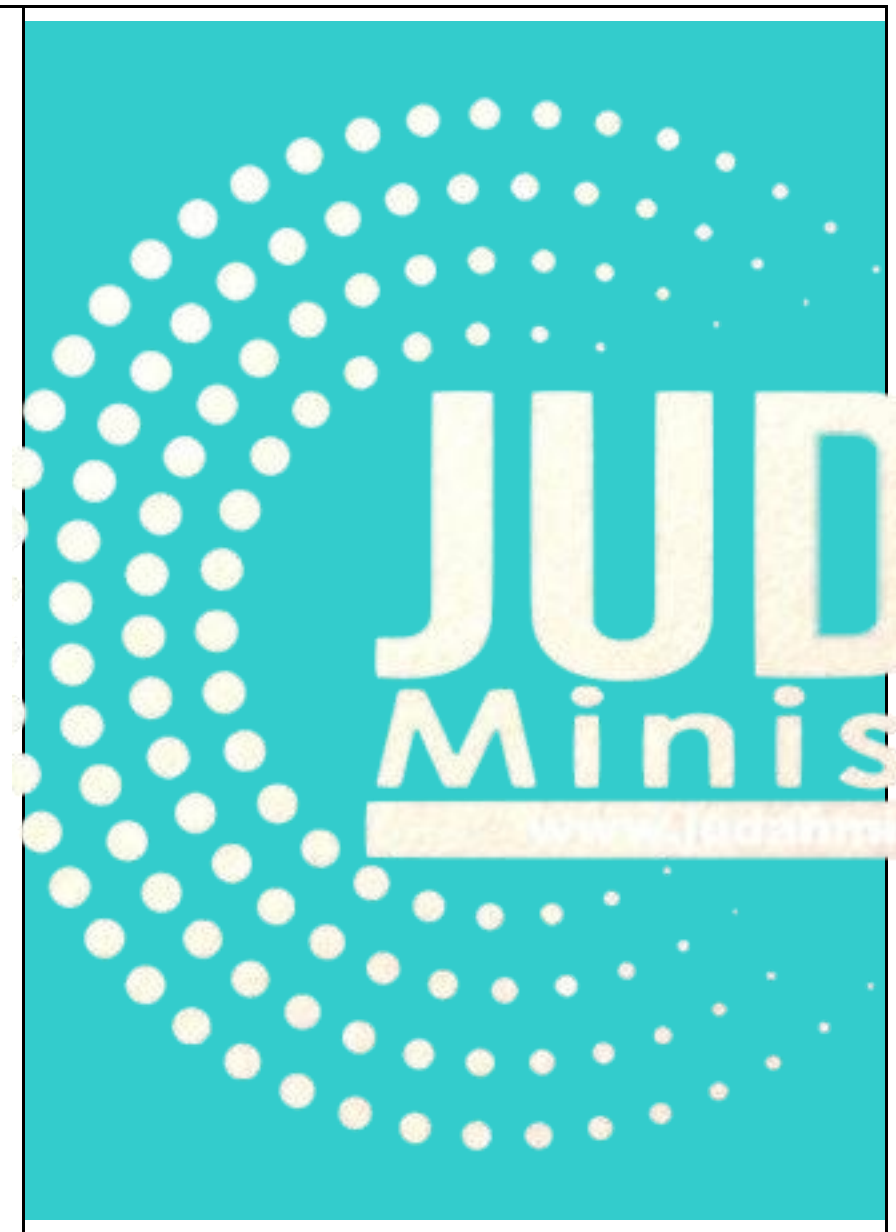
Activities
Shape Scavenger Hunt: Draw on a paper a shape and allow the children to find an item in the room that is the same shape.
Resources and Materials

- Paper, marker

Topic Related Language/ Key Vocabulary

Supports







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Day 3	Topic(s) Foundation(s) • Theme: MLK Jr. • Shape: Triangle • Number: 3 • Color: Blue • Letter: Dd SC1.1: Demonstrate ability to explore objects in the physical world
Indicators	Young Preschool (3s- 4 $\frac{1}{2}$) Older Preschool (4 $\frac{1}{2}$ to 5s) Ask questions about physical properties and changes in the physical world. Ask questions and draw conclusions about physical properties and the physical world.



Preschool Curriculum 2024



Activities	
Teachers will prepare the activity Oil and Water Science Project by Busy Toddlers. Teachers will follow the directions of the site for the classroom.	
Resources and Materials	
• Oil, water, food coloring, small cups, pipettes/ syringes	
Topic Related Language/ Key Vocabulary	Supports



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Day 4	Topic(s) Foundation(s) • Theme: MLK Jr. • Shape: Triangle • Number: 3 • Color: Blue • Letter: Dd SC 3.2: Demonstrate awareness of the preservation, protection, and care of living creatures and plants.
Indicators	Young Preschool (3s- 4 $\frac{1}{2}$) Older Preschool (4 $\frac{1}{2}$ to 5s) Begin to recognize that plants and animals need food, water, air, and sun to survive Describe basic things plants and animals need to live and grow.

Activities

View the [Growing Lima Beans](#) page and follow the activity. Each day children and teachers will chart how their lima bean is spouting by keeping a daily journal of what it is doing. They will draw a picture each day to chart the growth of their sprouts.

Resources and Materials

- Sandwich Zip Bag, Cotton Ball, Lima Beans, Water
- Composition Notebook/ Notebook/ Stapled Papers as a book
- Pencils and Crayons

Topic Related Language/ Key Vocabulary

Supports

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Day 5	Topic(s) Foundation(s) • Theme: MLK Jr. • Shape: Triangle • Number: 3 • Color: Blue • Letter: Dd SC6.2: Demonstrate algorithmic thinking and debugging
Indicators	Young Preschool (3s- 4 $\frac{1}{2}$) Older Preschool (4 $\frac{1}{2}$ to 5s) Demonstrate knowledge of when a set of steps is ordered or unordered Demonstrate an understanding of when a task requires a set of ordered steps

Activities
Repeating sequence with Magna Tiles: Make the pattern that repeats itself, but leave out tiles at the end and let the children figure out what comes next. To scaffold the learning, have missing tiles in the pattern and

have them to solve what comes next.

Resources and Materials

- Magna Tiles

Topic Related Language/ Key Vocabulary

Supports



