



# Month: January Week: 3

## Subject: Science

Day 1	Topic(s)	Foundation(s)
	<b>Theme:</b> Martin Luther King Jr. <b>Shape:</b> Triangle <b>Number:</b> 3 <b>Color:</b> Blue <b>Letter:</b> D	<b>SC1.1:</b> Demonstrate ability to explore objects in the physical world. <b>SC5.1:</b> Demonstrate scientific curiosity.
Indicators	Younger Toddlers	Older Toddlers
	Observe the changes in the Magic Milk experiment with teacher prompts.	Describes the colors and changes observed during the experiment.



## Activities

The teacher will conduct the **Magic Milk experiment**, demonstrating how dish soap interacts with milk and food coloring. Younger toddlers may watch as the teacher places drops of food coloring in milk and touches the surface with soap, observing the swirling colors. Older toddlers may describe what happens, using words like "mix," "colors," or "swirl." The teacher will encourage curiosity by asking, "What do you think will happen next?"

## Resources and Materials

- Whole milk
- Food coloring
- Dish soap
- Q-tips
- Shallow trays

## Topic Related Language/ Key Vocabulary

Milk, color, mix, swirl

## Supports

[Magic Milk: Two Ways](#)





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Day 2	Topic(s)	Foundation(s)
	<b>Theme:</b> Martin Luther King Jr. <b>Shape:</b> Triangle <b>Number:</b> 3 <b>Color:</b> Blue <b>Letter:</b> D	<b>SC1.2:</b> Demonstrate awareness of the physical properties of objects. <b>SC5.1:</b> Demonstrate scientific curiosity.
Indicators	Younger Toddlers	Older Toddlers
	Touches and explores ice cubes in a sensory bin with teacher guidance.	Explores and describes the properties of ice cubes in the sensory bin.



### Activities

The teacher will set up a sensory bin filled with ice cubes. Younger toddlers will explore by touching the ice and observing its cold, slippery texture. Older toddlers will discuss the properties of ice, such as "cold" or "wet," and observe changes as the ice melts. The teacher will ask questions like, "What happens when you hold the ice in your hand?" "What happens when you put the ice in the warm water?"

### Resources and Materials

- Sensory bin filled with ice cubes
- Small bowls for individual exploration

### Topic Related Language/ Key Vocabulary

Ice, cold, melt, wet

### Supports





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Day 3	Topic(s)		Foundation(s)	
	<b>Theme:</b> Martin Luther King Jr. <b>Shape:</b> Triangle <b>Number:</b> 3 <b>Color:</b> Blue <b>Letter:</b> D		<b>SC1.2:</b> Demonstrate awareness of the physical properties of objects. <b>SC6.1:</b> Demonstrate decomposition of larger tasks into smaller steps.	
Indicators				
	Younger Toddlers		Older Toddlers	
	Observes how oil and water interact with teacher assistance.		Participates in combining oil and water and describes the results.	



## Activities

The teacher will guide toddlers in the **Oil and Water project**, showing how oil and water don't mix. Younger toddlers will observe as the teacher pours oil and water into a jar and shakes it. Older toddlers will help pour the liquids and describe what they see, using words like "float" or "separate." The teacher will explain how the oil stays on top and encourage toddlers to observe the layers.

## Resources and Materials

- Clear jars
- Water and cooking oil
- Food coloring (optional)

## Topic Related Language/ Key Vocabulary

Oil, water, float, mix

## Supports



Oil and Water

Sensory Bottles



# Month: January Week: 3

## Subject: Science

Day 4	Topic(s)		Foundation(s)	
	<b>Theme:</b> Martin Luther King Jr. <b>Shape:</b> Triangle <b>Number:</b> 3 <b>Color:</b> Blue <b>Letter:</b> D		<b>SC3.1:</b> Demonstrate awareness of life. <b>SC5.1:</b> Demonstrate scientific curiosity.	
Indicators				
	Younger Toddlers		Older Toddlers	
Observe the lima bean growth progress with teacher prompts.		Describes changes in the lima beans and predicts what will happen next.		



### Activities

The teacher will guide toddlers in observing the progress of growing lima beans (started earlier). Younger toddlers will look at the beans and listen as the teacher describes what's happening, such as "The bean is growing a sprout." Older toddlers will describe the changes they see and discuss what might happen next. The teacher will ask, "What do plants need to grow?"

### Resources and Materials

- Clear containers with growing lima beans
- Small magnifying glasses (optional)

### Topic Related Language/ Key Vocabulary

Plant, grow, sprout, water

### Supports



Month: January Week: 3



## Subject: Science

Day 5	Topic(s)		Foundation(s)	
	<b>Theme:</b> Martin Luther King Jr. <b>Shape:</b> Triangle <b>Number:</b> 3 <b>Color:</b> Blue <b>Letter:</b> D		<b>SC1.1:</b> Demonstrate ability to explore objects in the physical world.	
Indicators				
	Younger Toddlers		Older Toddlers	
Explores a water sensory bin with teacher support.		Manipulates and describes objects in the water sensory bin.		

### Activities

The teacher will set up a water sensory bin with various floating and sinking objects. Younger toddlers will explore the bin by touching the water and interacting with the objects, while the teacher describes their



movements. Older toddlers will sort the objects by whether they float or sink and discuss their findings. The teacher will encourage questions like, "Why does this one float?"

### Resources and Materials

- Sensory bin filled with water
- Small floating and sinking toys or objects

### Topic Related Language/ Key Vocabulary

Water, float, sink, wet

### Supports

