



Month: January Week: 4

Subject: Science

Day 1	Topic(s)		Foundation(s)	
	Review Week		SC1.1: Demonstrate ability to explore objects in the physical world. SC5.1: Demonstrate scientific curiosity.	
Indicators	Younger Toddlers		Older Toddlers	
	Toddlers may observe and describe changes during the Magic Milk experiment.		Toddlers may explore how colors mix and react.	



Activities

The teacher will conduct the **Magic Milk experiment**, demonstrating how milk reacts to drops of dish soap and food coloring. Toddlers may watch the swirling colors and describe what they see, using words like "mix," "swirl," or "color." The teacher will prompt curiosity by asking, "What do you think will happen if we add more soap?"

Resources and Materials

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

Topic Related Language/ Key Vocabulary

Milk, color, swirl, mix

Supports



https://www.youtube.com/watch?v=Bq1_fVcji4g



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Day 2	Topic(s)		Foundation(s)	
	Review Week		SC1.2: Demonstrate awareness of the physical properties of objects. SC5.1: Demonstrate scientific curiosity.	
Indicators	Younger Toddlers		Older Toddlers	
	Toddlers may explore frozen toys in a sensory bin and describe how they feel.		Toddlers may discuss how the toys change as the ice melts.	



The teacher will prepare a sensory bin with small toys frozen in blocks of ice. Toddlers may touch and explore the frozen toys, observing the cold, slippery ice. The teacher will guide discussions by asking, "What happens when we touch the ice?" or "What will happen if we wait a little while?"

- Small toys frozen in blocks of ice
- Sensory bin or tray for exploration

Supports

A collage of various items frozen in ice blocks. The items include a LEGO minifigure, a green leaf, colorful beads, star-shaped cookies, and various candies, all presented in clear plastic molds. The background is white with red confetti. At the bottom, there is a blue banner with the text "20 things to freeze in ice blocks!".



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Day 3	Topic(s) Foundation(s)	
	Review Week	SC1.2: Demonstrate awareness of the physical properties of objects. SC6.1: Demonstrate decomposition of larger tasks into smaller steps.
Indicators		
	Younger Toddlers	Older Toddlers
	Toddlers may observe and describe the interaction between oil and water.	Toddlers may explore how the liquids separate and float.



Activities

The teacher will guide toddlers in the **Oil and Water experiment**, demonstrating how oil and water don't mix. Toddlers may help pour water and oil into clear jars and observe how they separate. The teacher will ask questions like, "What happens when we shake the jar?" and "Why is the oil on top?"

Resources and Materials

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

Topic Related Language/ Key Vocabulary

Oil, water, float, separate

Supports





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Day 4	Topic(s)		Foundation(s)	
	Review Week		SC3.1: Demonstrate awareness of life. SC5.1: Demonstrate scientific curiosity.	
Indicators	Younger Toddlers		Older Toddlers	
	Toddlers may observe changes in the growing lima beans.		Toddlers may discuss what plants need to grow.	



Activities	
The teacher will help toddlers check the progress of their growing lima beans (planted earlier). Toddlers may observe changes such as sprouting roots or leaves. The teacher will discuss how the beans are growing, asking, "What do plants need to grow?" and encouraging toddlers to talk about what they see.	
Resources and Materials	
• Growing lima beans in clear containers • Small magnifying glasses (optional)	
Topic Related Language/ Key Vocabulary	Supports
Grow, plant, sprout, water	 GROWING BEANS



Month: January Week: 4

Subject: Science

Day 5	Topic(s)		Foundation(s)	
	Review Week		SC4.1: Demonstrate engineering design skills. SC6.1: Demonstrate decomposition of larger tasks into smaller steps.	
Indicators				
	Younger Toddlers		Older Toddlers	
	Toddlers may create an igloo on paper using cotton balls or white paint.		Toddlers may explore textures and practice placing materials to complete the structure.	



Activities

The teacher will provide a printed igloo outline or blank paper. Toddlers may glue cotton balls onto the outline or use white paint to create the igloo design. The teacher will guide the activity by asking, "Where should we place the next cotton ball?" or "What shape are we making?"

Resources and Materials

- Printed igloo outlines or blank paper
- Cotton balls or white paint
- Glue sticks and brushes

Topic Related Language/ Key Vocabulary

Igloo, cotton, glue, build

Supports



CraftingJeannie.com