



Month: December Week: 4 Subject: Science

Day 1	Topic(s)	Foundation(s)
	Review Week	SC1.1 Demonstrate ability to explore objects in the physical world SC1.2 Demonstrate awareness of the physical properties of objects
Indicators	Younger Infants	Older Infants
	May look toward the playdough, lean in to smell it, and briefly touch or pat it with support.	May reach for the playdough, squeeze or poke it several times, and react to its smell and texture with sounds or facial expressions.
Activity: Playdough Smell & Touch Place a very small piece of safe, unscented or lightly scented playdough on a tray for each infant. Invite them one at a time to come close, saying, “Smell... touch.” Guide younger infants’ hands gently to pat or press the dough, while older infants can grab and squeeze it more independently. Describe what you notice-“soft,” “squishy,” “smell”- so they hear simple sensory words as they explore.		
Resources/Materials <ul style="list-style-type: none"> • Small pieces of safe, homemade playdough • Individual trays or a clean mat 	Key Vocabulary: soft, squish, smell	Support:



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Day 2	Topic(s)	Foundation(s)
	Review Week	SC1.1 Demonstrate ability to explore objects in the physical world SC2.1 Recognize seasonal and weather related changes
Indicators	Younger Infants	Older Infants
	May respond to the cold and warm sensations with facial expressions, sounds, or body movements.	May reach for or pull back from the ice or warm cloth and begin to associate “cold” and “warm” with each item.

Activity: Ice vs Warm Cloth Touch

Prepare one small ice cube wrapped in thin cloth and one warm (not hot) damp cloth. Offer the warm cloth first, gently pressing it on infants’ hands or feet and saying “warm.” Then slowly introduce the cloth-wrapped ice, saying “cold” and watching their reactions. Let older infants touch or hold each item for a few seconds, always monitoring comfort, and repeat “warm” and “cold” as they explore.

Resources/Materials <ul style="list-style-type: none"> • Small ice cube wrapped in thin cloth • Warm, damp washcloth (checked for safe temperature) 	Key Vocabulary: warm, cold, feel	Support:
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Day 3	Topic(s)	Foundation(s)
	Review Week	SC1.2 Demonstrate awareness of the physical properties of objects SC5.1 Demonstrate scientific curiosity
Indicators	Younger Infants	Older Infants
	May touch, mouth, or hold items and react differently to soft or hard textures.	May explore items repeatedly, show preference for soft or hard, and respond when the teacher labels “soft” or “hard.”

Activity: **Soft vs Hard Winter Items Basket**

Fill a small basket with a mix of safe soft winter items (tiny mitten, scarf piece, cotton “snow”) and hard items (small block, plastic cup, pinecone if safe). Offer one item at a time, letting infants grab, rub, or tap it. Name the texture each time-“soft scarf,” “hard block”- and notice their reactions. For older infants, place one soft and one hard item side by side and invite them to feel both as you repeat the words.

Resources/Materials <ul style="list-style-type: none"> Soft items: small mitten, scarf scrap, cotton balls Hard items: small block, safe plastic cup, pinecone (if safe and supervised) 	Key Vocabulary: soft, hard, touch	Support:
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	Review Week	SC1.1 Demonstrate ability to explore objects in the physical world SC1.2 Demonstrate awareness of the physical properties of objects
Indicators	Younger Infants	Older Infants
	May look toward the changing light and shadow on the wall or ceiling and follow it with their eyes.	May reach toward the moving light, notice shadows of their hands or toys, and show excitement when the light appears and disappears.
<p>Activity: Light & Shadow Play</p> <p>Dim the room slightly and use a small flashlight or covered “soft” lantern to cast light onto a wall, ceiling, or white sheet. Move the light slowly so infants can track it with their eyes. For older infants, place a soft toy or your hand between the light and the wall to create a simple shadow and say, “Look! A shadow!” Allow them to reach toward the light or shadow, always keeping the light away from their eyes.</p>		
Resources/Materials <ul style="list-style-type: none"> • Small flashlight or covered soft lantern (child-safe, no direct light in eyes) • Light-colored wall or hanging sheet 	Key Vocabulary: light, shadow, look	Support:



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Day 5	Topic(s)	Foundation(s)
	Review Week	SC1.1 Demonstrate ability to explore objects in the physical world SC5.1 Demonstrate scientific curiosity
Indicators	Younger Infants	Older Infants
	May splash hands in shallow water, feel drips on hands, and watch water move.	May scoop and pour small amounts of water with cups or spoons, experimenting with drips and little splashes.

Activity: **Water Tray Play - Small Cups & Drips**

Fill a very shallow tray with a small amount of warm (not hot) water. Seat infants around the tray and support them as needed. Offer a few small cups or ladles and show how to scoop and let water drip back into the tray. Encourage gentle splashes with hands and talk about what is happening- “drip, drip,” “splash,” “wet.” Keep towels nearby and end play if any infant becomes upset or too wet.

Resources/Materials <ul style="list-style-type: none"> • Very shallow water tray or bin with warm water • Small cups, ladles, or spoons (no sharp edges) 	Key Vocabulary: wet, splash, drip	Support:
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