



Month: December Week: 1 Subject: Science

Day 1	Topic(s)	Foundation(s)
	Theme: Gingerbread Man Number: 17 Letter: Mm Color: Silver Shape: Rhombus	SC1.1 Demonstrate ability to explore objects in the physical world SC1.2 Demonstrate awareness of the physical properties of objects SC5.1 Demonstrate scientific curiosity
Indicators	Younger Infants	Older Infants
	May move head toward the jar, widen eyes, or quiet while smelling the scent.	May lean in, sniff, smile, or reach toward the jar when it is offered again.

Activity: **Gingerbread Spice Smell Jar**

Seat one or two infants comfortably and show them a closed, clear jar or container with cotton balls sprinkled with gingerbread spices inside (such as cinnamon and ginger). Hold the jar a safe distance from their nose and say, “Smell—gingerbread!” Give them a moment to notice the scent, watching their face and body reactions. Gently move the jar away and then bring it back for a second sniff, describing what you notice (“You smelled it again!”). For older infants, let them gently touch the outside of the jar while you repeat the word “smell” and “spicy.”

Resources/Materials <ul style="list-style-type: none"> • Small clear jar or container with secure lid • Cotton balls with a light sprinkle of gingerbread-type spices (e.g., cinnamon, ginger) 	Key Vocabulary: smell, spicy, jar	Support:
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Day 2	Topic(s)	Foundation(s)
	Theme: Gingerbread Man Number: 17 Letter: Mm Color: Silver Shape: Rhombus	SC1.1 Demonstrate ability to explore objects in the physical world SC1.2 Demonstrate awareness of the physical properties of objects SC5.1 Demonstrate scientific curiosity
Indicators	Younger Infants	Older Infants
	May react by pulling hand back, kicking, or widening eyes when touching the water.	May willingly place hand or fingers into each tub again and look between the two as you compare them.

Activity: Warm vs Cool Water Hand Dip

Prepare two shallow bins: one with comfortably warm water and one with cool (always test with your wrist first for safety). Seat an infant on your lap and gently dip their hand or toes into the warm water, saying “Warm water.” Pause to let them feel it and watch their reaction. Then move to the cool tub, dipping their hand and labeling it “Cool water.” Alternate a few times, always supporting the child and keeping the experience calm and brief. For older infants, invite them to splash lightly with an open hand while you describe what they feel.

Resources/Materials <ul style="list-style-type: none"> Two shallow tubs or bins Warm water and cool water (checked for safe temperatures) Small towels for drying 	Key Vocabulary: warm, cool, water	Support:
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Day 3	Topic(s)		Foundation(s)	
	Theme: Gingerbread Man Number: 17 Letter: Mm Color: Silver Shape: Rhombus		SC1.1 Demonstrate ability to explore objects in the physical world SC1.2 Demonstrate awareness of the physical properties of objects SC5.1 Demonstrate scientific curiosity	
Indicators	Younger Infants		Older Infants	
	May brush hands over the textures or keep hand resting on a preferred texture.		May pat, rub, or scratch different textures and look back and forth between them.	

Activity: Soft vs Bumpy Texture Board Explore

Create a simple texture board by attaching large pieces of soft fabric (like fleece) and bumpy materials (like bubble wrap or a scrub sponge) to sturdy cardboard. Place the board in front of infants during floor time and gently guide their hands to each area, naming what they feel: “Soft,” “Bumpy.” Give them time to explore independently with their hands while you describe their actions (“You are rubbing the soft part”). Rotate the board so each infant can comfortably reach more than one texture.

Resources/Materials <ul style="list-style-type: none"> • Sturdy cardboard or foam board • Large pieces of soft fabric (e.g., fleece) • Large pieces of bumpy/scratchy but safe textures (e.g., bubble wrap taped down, textured rubber mat) 	Key Vocabulary: soft, bumpy, feel	Support:
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Day 4	<table><tr><th>Topic(s)</th><th>Foundation(s)</th></tr><tr><td>Theme: Gingerbread Man Number: 17 Letter: Mm Color: Silver Shape: Rhombus</td><td>SC1.1 Demonstrate ability to explore objects in the physical world</td></tr></table>		Topic(s)	Foundation(s)	Theme: Gingerbread Man Number: 17 Letter: Mm Color: Silver Shape: Rhombus	SC1.1 Demonstrate ability to explore objects in the physical world
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Indicators	<table><tr><th>Younger Infants</th><th>Older Infants</th></tr><tr><td>May watch the toy closely and react when it lights up or makes a sound.</td><td>May attempt to press the button or panel repeatedly to make the light or sound happen again.</td></tr></table>		Younger Infants	Older Infants	May watch the toy closely and react when it lights up or makes a sound.	May attempt to press the button or panel repeatedly to make the light or sound happen again.
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Activity: Cause & Effect Light-Up Toy Press & Watch

Place an infant-safe light-up or simple cause-and-effect toy in front of babies during floor play. First, model how to press the button or panel so the toy lights up or makes a gentle sound, saying “Press... look!” Pause and allow infants to watch the change. Invite older infants to reach and press with your help, guiding their hand toward the button. Each time the toy responds, describe what happened (“You pressed it; it lit up!”), reinforcing the connection between their action and the result.

Resources/Materials <ul style="list-style-type: none"> • Infant-safe light-up or cause-and-effect toy (no small parts, gentle lights/sounds) 	Key Vocabulary: press, light, stop	Support:
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Month: December Week: 1 Subject: Science

Day 5	Topic(s)	Foundation(s)
	Theme: Gingerbread Man Number: 17 Letter: Mm Color: Silver Shape: Rhombus	SC1.1 Demonstrate ability to explore objects in the physical world SC1.2 Demonstrate awareness of the physical properties of objects SC5.1 Demonstrate scientific curiosity
Indicators	Younger Infants	Older Infants
	May visually track the bottle as it rolls and watch the contents move inside.	May push or roll the bottle and then look at how the glitter or shapes slowly settle.

Activity: **Sensory Bottle Roll & Watch**

Set infants on the floor and place a tightly sealed sensory bottle in front of them, filled with water, a small amount of clear glue or oil, and large glitter or foam pieces. Gently roll the bottle across the mat so they can follow it with their eyes, then bring it back and shake it so the contents swirl. Encourage older infants to push or roll the bottle themselves while you describe what they see (“The stars are floating,” “Now they’re falling”). Give each child time to explore, always checking that the lid remains secure.

Resources/Materials <ul style="list-style-type: none"> • Tightly sealed clear plastic sensory bottle • Water and clear glue or oil • Large glitter or foam shapes (too big to pose a choking risk inside the sealed bottle) 	Key Vocabulary: roll, shake, float	Support:
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