



Month: February Week: 4 Subject: Science

Day 1	Topic(s)	Foundation(s)
	Theme: Review	SC5.1 Demonstrate scientific curiosity
Indicators	Younger Preschool	Older Preschool
	Observe the reaction and describe what they see.	Predict what will happen and discuss why the popcorn moves.
Activities: Start by showing the children dry popcorn kernels and asking, “<i>What do you think will happen if we put these in water?</i>” Pour warm water and baking soda into a clear container, then add food coloring for visual effect. Drop in the popcorn kernels and ask, “<i>What do you see?</i>” Finally, pour in the vinegar and watch as the popcorn begins to “dance!” Discuss the reaction and explain that bubbles of carbon dioxide gas lift the popcorn up and down. Challenge for Older Preschoolers: Ask them to predict what would happen if we used something other than popcorn (e.g., raisins) and discuss why different objects might react differently.		
Resources/Materials	Key Vocabulary:	Support: STEAM Activity: Dancing Popcorn Kernels
• 1 cup warm water • ½ cup vinegar • 1 teaspoon baking soda • Handful of popcorn kernels • Clear jar or cup • Food coloring (optional)	Bubble Reaction Float	



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Day 2	Topic(s)	Foundation(s)
	Theme: Review	SC3.2 Demonstrate awareness of the preservation, protection, and care of living creatures and plants
Indicators	Younger Preschool	Older Preschool
	Identify foods as "healthy" or "sometimes" foods.	Explain why certain foods are healthier than others.
Activities: Show images of different foods and ask, <i>“Do you think this food helps our bodies grow strong?”</i> Help children sort foods into two categories: "Healthy Foods" and "Unhealthy Foods.” Discuss why some foods help our bodies grow, while others are treats we eat less often. Challenge for Older Preschoolers: Have them match the healthy foods to different body parts they help (e.g., carrots help eyes, milk makes bones strong).		
Resources/Materials	Key Vocabulary:	Support:
- Picture cards of fruits, vegetables, and processed foods - Sorting mats or poster board labeled “Healthy” and “Unhealthy” - Toy food or printed food images	Healthy Strong Choice	



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Day 3	Topic(s)	Foundation(s)
	Theme: Review	SC6.1 Demonstrate decomposition of larger tasks into smaller steps
Indicators	Younger Preschool	Older Preschool
	Identify and shake jars to hear different sounds.	Predict and match the sound to the object inside.
Activities: Prepare small jars filled with different objects (e.g., rice, beans, bells, paper clips) and seal them. Ask, “<i>What do you think is inside?</i>” Let children shake the jars and listen to the different sounds. Discuss which jars make loud or soft sounds and why. Challenge for Older Preschoolers: Cover the jars and have them guess what’s inside based on the sound they hear.		
Resources/Materials	Key Vocabulary:	Support:
• Small plastic or clear jars • Objects like rice, beans, bells, and paper clips • Tape or glue to seal the jars	Loud Soft Guess	

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	Theme: Review	SC1.1 Demonstrate ability to explore objects in the physical world
Indicators	Younger Preschool	Older Preschool
	Observe and react to the colors changing.	Predict what will happen when colors are mixed.
Activities: Introduce the three primary colors and ask, “<i>What happens if we mix them together?</i>” Use clear cups filled with water and food coloring (red, yellow, and blue) and mix them to create secondary colors. Allow children to observe and describe the color changes. Challenge for Older Preschoolers: Have them paint on paper using only the primary colors to see if they can mix them on their own to create new colors.		
Resources/Materials	Key Vocabulary:	Support:
• Clear plastic cups • Food coloring (red, yellow, blue) • Water • Paintbrushes and paper (for challenge activity)	Mix Color Change	 Mixing Primary Colours  with coloured ice blocks

Month: February Week: 4 Subject: Science

Day 5	Topic(s)	Foundation(s)
	Theme: Review	SC5.1 Demonstrate scientific curiosity



Indicators		
	Younger Preschool	Older Preschool
	Recall favorite science activity from the week.	Explain what they learned and how it applies to the real world.
Activities: Review the week's science activities by displaying photos or materials from each experiment. Ask, <i>"What was your favorite experiment?"</i> and <i>"Why did the popcorn dance?"</i> Encourage children to share what they liked and what surprised them. Challenge for Older Preschoolers: Have them draw or describe one science activity and what they learned from it.		
Resources/Materials • Photos or samples from experiments • Paper and crayons for drawing reflections	Key Vocabulary: Remember Experiment Learn	Support: