





## Month: February Week: 3 Subject: Science

Day 1	<b>Topic(s)</b> Theme: Black History Artists & Musicians Number: 6 Letter: Ee Color: Red, Green, Black, Yellow Shape: Circle	<b>Foundation(s)</b> <b>SC1.2</b> Demonstrate awareness of the physical properties of objects. <b>SC5.1</b> Demonstrate scientific curiosity.
Indicators	<b>Younger Preschool</b> Observe color mixing and respond to movement.	<b>Older Preschool</b> Predict and describe color changes before and after movement.
<p>Activities: <b>Set Up:</b> Fill a <b>clear jar</b> with <b>warm water</b>, then add a few <b>drops of food coloring</b>.  <b>Add Baking Soda:</b> Stir in a few <b>tablespoons of baking soda</b> until dissolved.  <b>Drop in Popcorn Kernels:</b> Observe that they sink.  <b>Pour in Vinegar:</b> Slowly pour in <b>vinegar</b> and watch the reaction!  <b>Discussion:</b></p> <ul style="list-style-type: none"> <li>Ask <b>younger preschoolers</b> to describe what they see: <i>"Are the popcorn pieces moving?" "What colors do you see?"</i></li> <li>Ask <b>older preschoolers</b> to predict what will happen before the vinegar is added and explain why the popcorn "dances."</li> </ul>		
<b>Resources/Materials</b> <ul style="list-style-type: none"> <li>1 Clear jar</li> <li>1 cup of warm water</li> <li>1 TB of baking soda</li> <li>½ cup of vinegar</li> <li>1 handful (about ¼ cup) popcorn kernels</li> <li>Food coloring</li> <li>Spoon</li> </ul>	<b>Key Vocabulary:</b> <b>Mix</b> <b>Swirl</b> <b>Change</b>	<b>Support:</b> 




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<b>Day 2</b>	<b>Topic(s)</b> Theme: Black History Artists & Musicians Number: 6 Letter: Ee Color: Red, Green, Black, Yellow Shape: Circle	<b>Foundation(s)</b> <b>SC1.1</b> Demonstrate ability to explore objects in the physical world. <b>SC5.1</b> Demonstrate scientific curiosity.
<b>Indicators</b>	<b>Younger Preschool</b>	<b>Older Preschool</b>
	Explore how sounds change with different objects.	Predict how water levels will affect pitch.
<p>Activities: Fill several <b>glass jars</b> with different amounts of <b>water</b>. Provide students with <b>wooden spoons</b> to gently tap the jars and listen to the sounds they make. Discuss <b>how the pitch changes</b> when the water level is different.</p> <p><b>Challenge for Older Preschoolers:</b>          Have students <b>arrange the jars</b> in order from <b>highest pitch to lowest pitch</b> and try to <b>play a simple rhythm or tune</b>.</p>		
<b>Resources/Materials</b> <ul style="list-style-type: none"> <li>• Glass jars or plastic containers</li> <li>• Water</li> <li>• Wooden spoons or drumsticks</li> <li>• Food coloring (optional)</li> </ul>	<b>Key Vocabulary:</b> <b>Pitch</b> <b>Vibration</b> <b>Soundwave</b>	<b>Support:</b> 

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<b>Day 3</b>	<b>Topic(s)</b> <b>Foundation(s)</b>
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	<p>Theme: Black History Artists &amp; Musicians          Number: 6          Letter: Ee          Color: Red, Green, Black, Yellow          Shape: Circle</p>	<p><b>SC1.1</b> Demonstrate ability to explore objects in the physical world.  <b>SC4.1</b> Demonstrate engineering design skills.</p>
<b>Indicators</b>	<b>Younger Preschool</b>	<b>Older Preschool</b>
	Explore how marbles move when tilted.	Predict movement based on force and angles.
<p>Activities: Provide students with <b>shallow trays, paper, and marbles dipped in paint</b>. Have them <b>tilt the tray</b> to make the marbles roll across the paper, creating <b>lines and circles</b> as they move.</p> <p><b>Challenge for Older Preschoolers:</b>          Before rolling the marbles, ask them to predict <b>which direction the marbles will go</b> when tilted. Encourage them to try rolling <b>fast and slow</b> to see how it affects the design.</p>		
<p>Resources/Materials</p> <ul style="list-style-type: none"> <li>• Shallow trays</li> <li>• Paper</li> <li>• Marbles</li> <li>• Paint (red, green, black, yellow)</li> </ul>	<p>Key Vocabulary:</p> <p><b>Roll</b>  <b>Tilt</b>  <b>Force</b></p>	<p>Support:</p> 

## Month: February Week: 3 Subject: Science

<b>Day 4</b>	<b>Topic(s)</b>	<b>Foundation(s)</b>
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## Preschool Curriculum

	Theme: Black History Artists & Musicians Number: 6 Letter: Ee Color: Red, Green, Black, Yellow Shape: Circle	<b>SC1.2</b> Demonstrate awareness of the physical properties of objects. <b>SC5.1</b> Demonstrate scientific curiosity.
<b>Indicators</b>	<b>Younger Preschool</b>	<b>Older Preschool</b>
	Shake and listen to different sound jars.	Compare and classify jars based on loudness and softness.
<p>Activities: Fill small jars or containers with <b>different materials</b> (e.g., rice, beans, paperclips, cotton balls). Seal them tightly and have students <b>shake each one</b> and guess what's inside.</p> <p><b>Challenge for Older Preschoolers:</b>          Sort the jars from <b>loudest to softest</b> and discuss <b>why some materials make louder sounds than others.</b></p>		
Resources/Materials <ul style="list-style-type: none"> <li>• Small jars or plastic containers</li> <li>• Various fillers (rice, beans, cotton balls, paperclips)</li> </ul>	Key Vocabulary: <b>Shake</b> <b>Soft</b> <b>Loud</b>	Support:

## Month: February Week: 3 Subject: Science

<b>Day 5</b>	<b>Topic(s)</b>	<b>Foundation(s)</b>
	Theme: Black History Artists & Musicians	<b>SC1.1</b> Demonstrate ability to explore objects in the physical world.



	Number: 6 Letter: Ee Color: Red, Green, Black, Yellow Shape: Circle	SC5.1 Demonstrate scientific curiosity.
Indicators	Younger Preschool	Older Preschool
	Explore how sound travels using string.	Describe and test different materials for sound travel.
<p>Activities: Make <b>cup-and-string telephones</b> using <b>plastic cups and string</b>. Have students <b>talk into one cup</b> while a friend <b>listens through the other</b>. Discuss <b>how sound moves through the string</b>.</p> <p><b>Challenge for Older Preschoolers:</b> Have them <b>test different types of string (yarn, ribbon, fishing line)</b> to see which carries sound the best.</p>		
Resources/Materials <ul style="list-style-type: none"> <li>Plastic or paper cups</li> <li>String (different types for testing)</li> </ul>	Key Vocabulary: <b>Vibrate</b> <b>Echo</b> <b>Travel</b>	Support: 