

# STEM Lab – February 2019



## *Challenge: What shapes can you build with Legos?*

### Objectives

- Freely explore materials at a developmentally appropriate level
- Identify and understand shapes

### Materials

- Legos
- Shape Cards
- Standard and non-standard measuring tools

### Activities

- Use Legos to create different shapes
- Discuss properties of shapes
- Compare different sizes or orientations of shapes
- Count how many Legos used
- Younger children can build freely, then, discuss what shapes they created or used

#### **Variations:**

- Older children:
  - can build more complex shapes such as hearts, apples, pumpkins, animals, etc. (Check online for picture cards to use as planning tools)
  - can draw a design and then use their picture as a planning tool
  - can create 3D shapes
- Provide name or letter cards—children can create letters or their names out of Legos
- Sort Legos by shape—discuss and compare the shapes
- Create or follow patterns using Legos
- Encourage children to work in small groups
- As an extra challenge—limit the amount or shape of Lego the children use (i.e. What shape can you make with 20 Legos? ....with only square Legos?)


### Children learn to

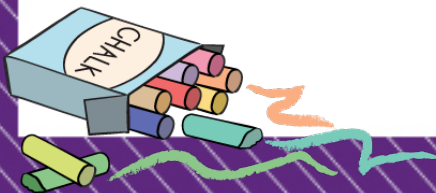
- Count sequentially
- Identify shapes, understand their properties, and create new shapes
- Understand the basic concepts of balance and weight
- Understand proportions (big/medium/small)
- Question when exploring materials
- Demonstrate persistence in problem solving
- Understand and use spatial concept vocabulary in daily speech such as under/over; inside/outside; on/off; up/down; in/out; around/above
- Create and follow simple or detailed patterns
- Distinguish between equal and unequal parts (fractions)
- Cooperate and participate in give and take



# Art Studio – February 2019

This month Twos, Preschool and Kindergarten Prep will be preparing for the 2019 Art Expo, March 11-15



 <b>Bright Horizons</b> <small>Early Education &amp; Preschool</small>	<u>Twos</u> <b>Acrylic Spatter Painting</b>	<u>Preschool</u> <b>Acrylic Flow</b>	<u>Kindergarten Prep</u> <b>Clay Sculptures</b>
<b>Objectives</b>	<ul style="list-style-type: none"> <li>• Explore and experiment with visual media and materials.</li> <li>• Use art materials and tools purposefully and creatively.</li> </ul>		
<b>Materials</b>	<ul style="list-style-type: none"> <li>• Paint</li> <li>• “Koosh” balls or similar object for painting</li> <li>• Canvas panels</li> </ul>	<ul style="list-style-type: none"> <li>• Acrylic paint – thinned with a bit of water</li> <li>• Canvas panels</li> <li>• Perforated cups</li> <li>• Large Trays</li> <li>• Lots of space per child</li> </ul>	<ul style="list-style-type: none"> <li>• Air dry clay</li> <li>• Clay tools including rolling pins, sculpting tools and impression objects</li> <li>• Wire &amp; beads</li> <li>• Paint &amp; brushes</li> </ul>
<b>Activities</b>	<ul style="list-style-type: none"> <li>• Paint across entire canvas using koosh balls to apply paint to canvas</li> <li>• Allow paint to dry</li> </ul>	<ul style="list-style-type: none"> <li>• Place cup on canvas.</li> <li>• Use squeeze bottles of fluid acrylics to add to cup, allowing paint to flow out of holes onto the paper.</li> <li>• Pick up canvas and tilt, causing the paint to run and blend.</li> <li>• Apply more paint if desired and repeat.</li> <li>• Allow to dry.</li> </ul>	<ul style="list-style-type: none"> <li>• Shape clay</li> <li>• Imprint with objects or add wire and beads to embellish sculpture.</li> <li>• Allow to dry</li> <li>• Paint &amp; seal</li> </ul>
<b>Children learn to</b>	<p><b>Caring Matters:</b> make independent decisions</p> <p><b>Science Rocks:</b> use tools to complete task</p>	<p><b>Art Smart:</b> experiment with visual media and materials</p> <p><b>Science Rocks:</b> explore cause and effect; explore gravity and motion</p>	<p><b>Art Smart:</b> use materials and tools purposefully and creatively</p> <p><b>Science Rocks:</b> explore and experiment with changing properties of materials</p>





# Movement Matters – February 2019

## Golf/Floor Hockey

 <b>Bright Horizons.</b> <small>Early Education &amp; Preschool</small>	Young Preschool	Preschool	Kindergarten Prep	Kindergarten
<b>Objectives</b>	<ul style="list-style-type: none"> <li>To promote physical development and wellness to create good habits and positive attitudes</li> <li>To engage in physical activity</li> </ul>			
<b>Materials</b>	<ul style="list-style-type: none"> <li>Golf Club</li> <li>Golf Putter</li> <li>Golf Balls</li> <li>Cotton Balls</li> <li>Soft Balls</li> <li>Big Balls</li> <li>Bouncy Balls</li> <li>Soft Hockey Sticks</li> <li>Cones</li> <li>Hockey Goals</li> </ul>	<ul style="list-style-type: none"> <li>Golf Club</li> <li>Golf Putter</li> <li>Golf Balls</li> <li>Soft Balls</li> <li>Soft Hockey Sticks</li> <li>Cones</li> <li>Hockey Goals</li> </ul>	<ul style="list-style-type: none"> <li>Golf Club</li> <li>Golf Putter</li> <li>Golf Balls</li> <li>Soft Balls</li> <li>Soft Hockey Sticks</li> <li>Cones</li> <li>Hockey Goals</li> </ul>	<ul style="list-style-type: none"> <li>Golf Club</li> <li>Golf Putter</li> <li>Golf Balls</li> <li>Soft Balls</li> <li>Soft Hockey Sticks</li> <li>Cones</li> <li>Hockey Goals</li> </ul>
<b>Activities</b>	<ul style="list-style-type: none"> <li>Golf Putting</li> <li>Hockey Passing</li> <li>Hockey Scoring</li> <li>Hockey pretending to skate.</li> <li>Parachute hockey</li> </ul>	<ul style="list-style-type: none"> <li>Golf Putting</li> <li>Hockey Dribbling</li> <li>Hockey Passing</li> <li>Hockey Scoring</li> <li>Hockey Goalie Game</li> <li>Hockey Hot Shots game.</li> <li>Hockey game</li> </ul>	<ul style="list-style-type: none"> <li>Golf Putting</li> <li>Hockey Dribbling</li> <li>Hockey Passing</li> <li>Hockey Scoring</li> <li>Hockey Goalie Game</li> <li>Hockey Hot Shots game.</li> <li>Hockey game</li> </ul>	<ul style="list-style-type: none"> <li>Golf Putting</li> <li>Hockey Dribbling</li> <li>Hockey Passing</li> <li>Hockey Scoring</li> <li>Hockey Goalie Game</li> <li>Hockey Hot Shots game.</li> <li>Hockey game</li> </ul>
 <b>Children learn to</b>	<ul style="list-style-type: none"> <li>Engage in active play using gross motor skills.</li> <li>Follow simple safety rules while participating in activities.</li> </ul>	<ul style="list-style-type: none"> <li>Engage in cooperative physical activities.</li> <li>Following rules and taking turns</li> </ul>	<ul style="list-style-type: none"> <li>Engage in active games and learning the rules</li> <li>Demonstrate understanding of how physical activity helps the muscles.</li> </ul>	<ul style="list-style-type: none"> <li>Enjoy and seek out physical activities while taking turns.</li> <li>Coordinate multiple muscle movements and learning basic understanding how physical activity helps the muscles.</li> </ul>

# Dance Class – February 2019



## Preschool

## Kindergarten Prep

## Kindergarten

### Objectives

All classes will be placed in their recital spots. This helps remember where they stand during the recital as they learn to remember where their spots are by going there every time they come to class.

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### Dance Moves

Choreography for the preschool large group dance, as well as class recital dances will begin. Dances should be mostly completed by the end of February.

Choreography for the kindergarten prep and kindergarten large group dance, as well as class recital dances will begin. Dances should be mostly completed by the end of February.

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### Terminology

No new terminology. When learning recital choreography, we use the terms we have been practicing all year.

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Pivot turns and ball change. These are the last new steps of the year as we implement terminology we have been working on all year in recital dances.



# Garden Works – February 2019

## Sensory Garden

 <b>Bright Horizons</b> <small>Early Education &amp; Preschool</small>	Toddlers	Young Preschool	Preschool	Kindergarten Prep
<b>Objectives</b>	To create a garden that stimulates the senses			
<b>Materials</b>	<ul style="list-style-type: none"> <li>• Various Plants (one or two for each sense)</li> </ul>	<ul style="list-style-type: none"> <li>• Various Plants (several types for each sense)</li> <li>• Planting Soil</li> <li>• Trowel</li> <li>• Rectangular container to hold plants</li> </ul>	<ul style="list-style-type: none"> <li>• Various Plants (several types for each sense)</li> <li>• Planting Soil</li> <li>• Trowel</li> <li>• Rectangular container to hold plants</li> </ul>	<ul style="list-style-type: none"> <li>• Various Plants (several types for each sense)</li> <li>• Planting Soil</li> <li>• Trowel</li> <li>• Individual Potting Cups</li> </ul>
<b>Activities</b> (See activity descriptions for full details.)	<ul style="list-style-type: none"> <li>• <i>Activity #1:</i> Exploration of the Plants</li> <li>• Books:               <ul style="list-style-type: none"> <li>◦ <i>In My Tree</i> by Sara Gillingham</li> <li>◦ <i>Bees Like Flowers</i> by Rebecca Bielawski</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• <i>Activity #1:</i> Exploration of Plants</li> <li>• <i>Activity #2:</i> Planting as a Class</li> <li>• Books:               <ul style="list-style-type: none"> <li>◦ <i>Bees Like Flowers</i> by Rebecca Bielawski</li> <li>◦ <i>Nature's Paintbrush: The Patterns and Colors Around You</i> by Susan Stockdale</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• <i>Activity #1:</i> Exploration of Plants</li> <li>• <i>Activity #2:</i> Planting as small groups</li> <li>• Books:               <ul style="list-style-type: none"> <li>◦ <i>How Does it Feel? (Looking at Nature)</i> by Bobby Kalman</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• <i>Activity #1:</i> Exploration of Plants</li> <li>• <i>Activity #2:</i> Planting Individually</li> <li>• <i>Activity #4:</i> Transplanting Garden Outside</li> <li>• Books:               <ul style="list-style-type: none"> <li>◦ <i>How Does it Feel? (Looking at Nature)</i> by Bobby Kalman</li> <li>◦ <i>Finding Wild</i> by Megan Wagner Lloyd</li> </ul> </li> </ul>
<b>Children learn to</b>	<ul style="list-style-type: none"> <li>• Explore materials through touch, taste, smell, sound and sight</li> </ul>	<ul style="list-style-type: none"> <li>• Identify the physical properties of the plant</li> </ul>	<ul style="list-style-type: none"> <li>• Begin to understand scientific concepts related to gardening and the senses</li> </ul>	<ul style="list-style-type: none"> <li>• Care for living things</li> </ul>








# Music & Movement

## February 2019



 <b>Bright Horizons</b> <small>Early Education &amp; Preschool</small>	<u>Week of 2/4</u> <b>Keeping a beat</b>	<u>Week of 2/11</u> <b>Itsy Bitsy Spider</b>	<u>Week of 2/18</u> <b>Instruments</b>	<u>Week of 2/25</u> <b>Music &amp; Counting</b>
<b>Objectives</b>	Create and follow beat/rhythm	Explore rhyming and using tone of voice to express emotions and stress actions	Play instruments along with familiar songs, following the tempo and beat set by songs	Use number songs and rhymes to support knowledge in counting, adding/subtracting
<b>Materials</b>	<ul style="list-style-type: none"> <li>• Rhythm sticks</li> <li>• Fingers and hands</li> </ul>	<ul style="list-style-type: none"> <li>• Hands &amp; fingers</li> </ul>	<ul style="list-style-type: none"> <li>• Various instruments:</li> <li>• CD of familiar children's songs</li> </ul>	<ul style="list-style-type: none"> <li>• Words to various number songs</li> <li>• Props (optional)</li> </ul>
<b>Activities</b>	Distribute rhythm sticks to children. Begin by setting a beat for children to follow.	<p>Sing Itsy Bitsy Spider using tone of voice to express emotions and stress actions</p> <p>Learn new rhymes: Itsy Bitsy Spider and his Two Friends &amp; Itsy Bitsy Spider Up the Birthday Cake. Sing in the same manner as above.</p>	Using instruments, play along with songs, following tempo and beat.	<p>Sing and act out various number songs</p> <ul style="list-style-type: none"> <li>• Five Little Ducks</li> <li>• Five Little Monkeys</li> <li>• One Elephant Went out to Play</li> <li>• Etc...</li> </ul>
<b>Children learn to:</b>	Recognize, repeat and compose rhythmic patterns and melodies	Develop listening skills and auditory memory	Recognize, repeat and compose rhythmic patterns and melodies	Solve simple number problems; demonstrate knowledge of number order



## Culinary Arts – February 2019

Children will do cooking projects in the classroom using Bright Horizons recipe cards or other recipes that connect with projects within the classroom.

Some recipes are not appropriate for all age groups. Additionally, some recipes may require substitutions for allergies.

Recipes for this month:

- BH Recipe – Ham & Jack Roll Ups
- Broccoli Cheese Bites

# Sign Language – February 2019



## MOTHER

The thumb of the “5” hand taps the chin several times.



## FATHER

The “5” hand is held up with the thumb tapping the forehead several times.



## HAPPY

The flat hand passes the chest repeatedly with an upward movement like a beating heart.



## HOME

The flat “O” hand touches the fingertips to the chin and moves toward the ear.



Flat “O” hand

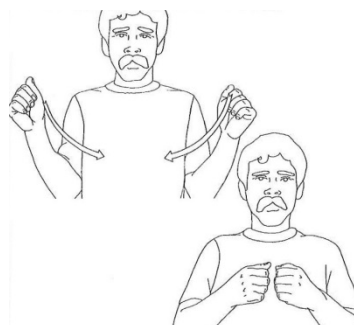


## SHOES

The two sideways “S” hands tap together several times.



“S” hand



## COAT

Both “A” hands are held at shoulder level then come together in the front of the chest as if closing a coat.



“A” hand

from **SIGN with your BABY** ~ Dr. Joseph Garcia