





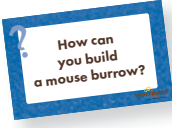















# Winter in the Woods






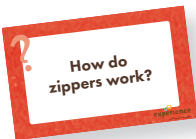



## WEEK 1 FOREST ANIMALS

STEAM STATION	YOUR SUPPLIES	BIG QUESTION AND INSPIRATION PHOTOS	TEACHER TIPS
<p><b>LESSON 1</b> <b>Deer Course</b></p> <p><small>PD 1 Gross Motor SED 4a Problem-Solving SS 3b Geography</small></p>	<p>Cones Boxes Ropes</p>	 	<p>Encourage the children to create an obstacle course, then pretend to be deer moving through it.</p>
<p><b>LESSON 2</b> <b>Prickly Hedgehogs</b></p> <p><small>SCI 2a Natural &amp; Earth Science PD 3 Safety PD 2 Fine Motor</small></p>	<p>Playdough Pipecleaners Sticks Wiggle eyes</p>	 	<p>Set out all of the supplies and invite the children to create hedgehogs of different sizes and shapes.</p>
<p><b>LESSON 3</b> <b>Bear Den</b></p> <p><small>SCI 2a Natural &amp; Earth Science ATL 2b Flexibility &amp; Play CA 4a Drama</small></p>	<p>Boxes Pillows Blankets Building materials Bear books (optional)</p>	 	<p>Invite the children to use the materials to construct a bear den.</p>
<p><b>LESSON 4</b> <b>Mouse Houses</b></p> <p><small>M 3 Shapes SED 4a Problem-Solving</small></p>	<p>Blocks Cardboard pieces of different shapes and sizes Pompoms or beanbags</p>	 	<p>Set out blocks and cardboard pieces. Encourage the children to build houses with little spaces for mice to hide. Invite the children to use pompoms as pretend mice.</p>
<p><b>LESSON 5</b> <b>Owl's Nest</b></p> <p><small>SCI 2a Natural &amp; Earth Science SED 4a Problem-Solving</small></p>	<p>Bin Nature items</p>	 	<p>Set out a bin of nature items, like sticks, grass, rocks and leaves. Invite the children to problem-solve ways to arrange the items to make a cozy owl's nest.</p>










## WEEK 2 WOODLANDS

<p><b>LESSON 6</b> <b>Tree-Trimming Station</b></p> <p><small>SCI 2a Natural &amp; Earth Science SCI 4 Technology PD 2 Fine Motor</small></p>	<p>Bin Pine tree branches or green and brown pipecleaners Scissors</p>	 	<p>Set out a bin full of tree branches or green and brown pipecleaners. Encourage the children to explore trimming the branches with scissors.</p>
<p><b>LESSON 7</b> <b>Falling Flakes</b></p> <p><small>PD 2 Fine Motor CA 3b Visual Arts</small></p>	<p>Paper Scissors Hole punch String Glue Tape</p>	 	<p>Set out paper and scissors for children to explore cutting into snowflakes. Help them hang their snowflakes from the ceiling or wall with string and tape.</p>
<p><b>LESSON 8</b> <b>Pinecone Hunt</b></p> <p><small>SCI 2a Natural &amp; Earth Science M 6 Classification</small></p>	<p>Pinecones Paint Paintbrush</p>		<p>Gather a bunch of pinecones and paint them with different colors. When dry, hide them in the outside area and invite the children to find them all. Sort them by color.</p>
<p><b>LESSON 9</b> <b>Frozen Objects</b></p> <p><small>SCI 2b Natural &amp; Earth Science SCI 3b Physical Science</small></p>	<p>Containers Water Small items Tray</p>		<p>Place small items in containers of water, then freeze overnight. Set the separate frozen pieces on a tray and encourage the children to explore removing the items frozen inside.</p>
<p><b>LESSON 10</b> <b>Building a Snowman</b></p> <p><small>M 4b Measurement CA 4a &amp; CA 4b Drama</small></p>	<p>Boxes White butcher paper Clothes &amp; accessories</p>	 	<p>Wrap different-sized boxes with white butcher paper. Set out a variety of clothes/accessories, such as hats, scarves and glasses. Encourage the children to build a snowman and dress it as desired.</p>

## WEEK 3 WINTER GEAR

STEAM STATION	YOUR SUPPLIES	BIG QUESTION AND INSPIRATION PHOTOS	TEACHER TIPS
<b>LESSON 11</b> <b>Mitten Challenge</b> <small>SED 4a Problem-Solving PD 2 Fine Motor</small>	Mittens, gloves and oven mitts Building materials (blocks, boxes)		Set out a variety of mittens, gloves and oven mitts in the block area. Provide a variety of building materials and encourage the children to wear something on their hands as they build.
<b>LESSON 12</b> <b>Snow Balance</b> <small>SCI 1a Investigation &amp; Inquiry SCI 2b Natural &amp; Earth Science</small>	Bowl Cotton balls Items of different sizes Paper plates	 	Set out a bowl, small paper plates and a bin filled with cotton balls. Invite the children to explore placing items of different sizes and weights on the cotton balls. What happens if you put a plate on the cotton balls, then place the object on the plate?
<b>LESSON 13</b> <b>Ramps</b> <small>SCI 3a Physical Science SED 4a Problem-Solving</small>	Blocks Balls Toy cars Cardboard pieces	 	Set out various materials and encourage the children to build different ramps, then test them out by rolling blocks or balls down them.
<b>LESSON 14</b> <b>Zip Up</b> <small>PD 2 Fine Motor SCI 2a Natural &amp; Earth Science SCI 4 Technology</small>	Clothes/accessories with fasteners Zippers	 	Set out clothes and accessories with buttons, pockets, snaps or zippers for the children to explore. If desired, gather zippers from a fabric store.
<b>LESSON 15</b> <b>Weaving Wool</b> <small>PD 2 Fine Motor M 5 Patterns</small>	Yarn Fabric, old t-shirts Scissors	 	Create a weaving board and thread yarn or fabric strips in and out of the strings.

## WEEK 4 WINTER LIVING

<b>LESSON 16</b> <b>Chopping &amp; Planting a Forest</b> <small>SCI 2b Natural &amp; Earth Science ATL 1a Attention &amp; Persistence CA 4b Drama</small>	Cardboard tubes Blocks Craft sticks	 	Set out the materials. Encourage the children to pretend they are lumberjacks and chop “trees” down.
<b>LESSON 17</b> <b>Natural Materials House</b> <small>SED 4a Problem-Solving ATL 1b Attention &amp; Persistence</small>	Natural materials Blocks	 	Gather and set out natural materials such as sticks and small rocks. Add blocks. Encourage the children to use the materials in different ways to build cabins or other types of structures.
<b>LESSON 18</b> <b>Log Rolling</b> <small>SCI 1a Investigation &amp; Inquiry PD 2 Fine Motor</small>	Playdough Craft sticks Pipecleaners	 	Set out materials and invite the children to explore rolling playdough logs, chopping them and designing wood grain patterns into them. Encourage the children to make log stacks.
<b>LESSON 19</b> <b>Cooking in Nature</b> <small>CA 4 Drama LLD 2a Communication</small>	Bowls Nature items Kitchen utensils		Set out bowls of nature items with kitchen utensils and encourage the children to pretend to measure, stir and cook.
<b>LESSON 20</b> <b>Blankets for Friends</b> <small>CA 4 Drama ATL 2b Flexibility &amp; Play SS 1a Culture &amp; Community</small>	Washcloths Fabric Paper towels Figurines/stuffed animals Blocks/boxes (optional)	 	Invite the children to create beds or sleeping environments for toy figurines or stuffed animals.

## Set-Up Directions

These open-ended STEAM stations invite children to investigate, problem-solve and create.

- Hang the Big Question and Inspiration Photos on the wall next to the place you set up the investigation.
- Use the labels to identify and organize materials children will use (and clean up) as they explore STEAM stations.

## ROTATING YOUR STATIONS

- Introduce one new STEAM station daily. Leave that station set up all week. By the end of the week, children will have five stations to explore.



**STEAM stations** integrate perfectly with the monthly Experience Preschool Curriculum kits for a comprehensive research-based early learning system. Learn more and start your research-based curriculum today.

[ExperienceCurriculum.com](https://ExperienceCurriculum.com)






**How can you  
move like a deer?**



**Why do you  
think hedgehogs  
have quills?**



**What is inside  
a bear den?**



**How can  
you build  
a mouse burrow?**



**How can you  
build a cozy  
owl habitat?**



**How can you  
trim the branches?**




**Can you create  
a snowflake?**




**Where can you  
find a pinecone?**



**How can you  
melt ice?**



**What do you  
need to build  
a snowman?**



**What happens  
when you try  
to build with  
mittens on?**




**What sinks  
in snow?**




**What rolls?  
What does  
not roll?**



**How do  
zippers work?**



**How can  
you weave the  
fabric together?**




**What could you  
build with the logs  
after the trees are  
chopped down?**



**Can you build  
a cabin?**



**What patterns  
can you make  
in your logs?**



**What can you  
put in your  
nature soup?**



**What would  
you use to  
make a bed?**



  
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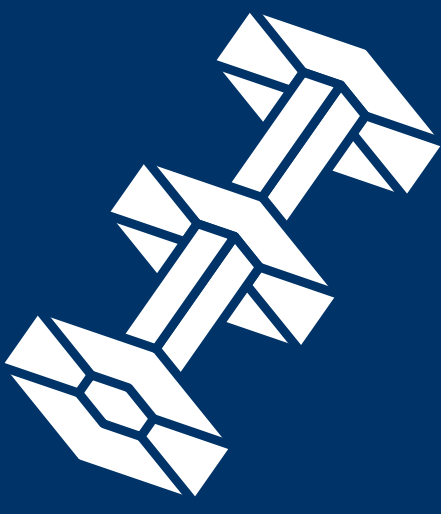
# Types of Snowflakes



Hexagonal Plates



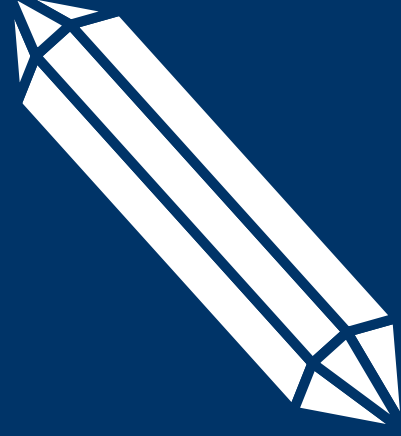
Triangular



Capped Column



Stellar Dendrites



Column



Stellar Plates





  
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