













EcoVenture

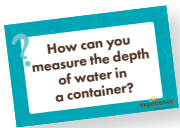
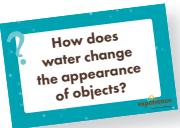






WEEK 1 PLACES WE LIVE

STEAM STATION	YOUR SUPPLIES	BIG QUESTION AND INSPIRATION PHOTOS	TEACHER TIPS
<p>LESSON 1 Climbing Wall MR 2 Spatial Awareness</p>	<p>Tape Cardboard Animal figurines Cardboard tubes</p>		<p>Set out tape, pieces of cardboard, animal figurines and cardboard tubes in the block area. Invite the children to tape the cardboard pieces to the wall to construct a climbing wall for the animals to explore.</p>
<p>LESSON 2 Forest Homes SCI 2 Natural & Earth Science</p>	<p>Boxes Cardboard tubes Tape Green tissue paper Scissors</p>		<p>Set out boxes, cardboard tubes, tape and green tissue paper. Encourage the children to create a forest of trees. Help the children cut holes in the boxes to create homes for stuffed animals.</p>
<p>LESSON 3 Shadow Painting SCI 1 Investigation & Inquiry</p>	<p>Light-colored paper Crayons</p>		<p>Gather light-colored paper and crayons. Encourage the children to explore for shadows. Invite the children to sit near a tree or another object that casts a shadow. Place the paper on top of the shadow, then trace around it.</p>
<p>LESSON 4 Tree Detectives SCI 3 Physical Science</p>	<p>Camera Clipboards Paper Crayons/markers</p>		<p>Take photos of different kinds of trees in your outdoor play area or around the neighborhood. Put each photo on a clipboard with some paper. Encourage the children to choose a clipboard, go outside and try to find the same tree. Draw the tree.</p>
<p>LESSON 5 Bark Rubbings SCI 1 Investigation & Inquiry</p>	<p>Paper Crayons</p>		<p>Go for a walk and hunt for different types of trees. Encourage the children to make bark rubbings of each tree using a sheet of paper and crayons. Search for more nature items to rub over.</p>









WEEK 2 ROOMS

<p>LESSON 6 Float & Catch SCI 3 Physical Science</p>	<p>Lightweight items Blocks</p>		<p>Gather lightweight items (e.g., scarves, feathers, tissue paper) and set them in the block area. Encourage the children to put a block on the floor. Try to toss an item in the air and have it land on the block.</p>
<p>LESSON 7 Toss & Land MR 7 Logic & Reasoning</p>	<p>Paper Box or bin</p>		<p>Set out paper and a box or bin outside. Encourage the children to explore folding the paper, then flying or tossing it into the “landing zone” (box).</p>
<p>LESSON 8 Exercise & Breathe PD 4 Personal Care</p>	<p>Photos of people doing exercises Computer/television (optional)</p>		<p>Hang up photos of people doing different exercises, such as jumping jacks, sit-ups or squats. If possible, play an exercise video. Invite the children to exercise, then stop intermittently to take very deep breaths.</p>
<p>LESSON 9 Wash Away Rainbow PD 2 Fine Motor</p>	<p>Paper Colored chalk Spray bottles or sponges</p>		<p>Set out paper, colored chalk and spray bottles or sponges filled with water. Encourage the children to color with chalk on the paper or other surfaces. Invite the children to dampen the drawings to blend the colors or wash them away.</p>
<p>LESSON 10 Wind Lab SCI 1 Investigation & Inquiry</p>	<p>Paper Fabric Containers Miscellaneous objects Electric fan</p>		<p>Set out a variety of paper, fabric and containers to make a sound testing area. Invite the children to explore blowing on the items (or use a fan) to hear different sounds.</p>

WEEK 3 CHORES

STEAM STATION	YOUR SUPPLIES	BIG QUESTION AND INSPIRATION PHOTOS	TEACHER TIPS
LESSON 11 Measuring Depth <small>SCI 1 Investigation & Inquiry</small>	Washer String/yarn Different-sized containers Water Marker		Tie a washer to the end of a string. Set out a variety of containers filled with water. Immerse the washer in one of the containers to the bottom. Mark the string at the top of the water with a marker. Compare depths.
LESSON 12 Discovery Water Bottles <small>SCI 3 Physical Science</small>	Clear bottles with caps Small items (gems, beads, sequins, pompoms, glitter, etc.) Water		Gather clear bottles with caps. Fill the bottles with small items such as beads, gems, sequins, pompoms or glitter, then fill the bottles with water. Encourage the children to explore the bottles.
LESSON 13 Moving through Blocks <small>SCI 3 Physical Science</small>	Blocks Clear plastic bin Bottle/pitcher Water	 	Set out building blocks and a clear plastic bin. Fill a bottle or pitcher with water. Encourage the children to build a structure out of blocks inside the bin. Invite the children to explore pouring water into their block structure and discover where the water flows.
LESSON 14 Washing Germs <small>PD 2 Fine Motor</small>	Chalk Spray bottles Soapy water Towels	 	Gather chalk, spray bottles filled with soapy water and towels. Encourage the children to draw germs with chalk on the concrete outside. Use the spray bottles to wash away the germs.
LESSON 15 Water Stand <small>PD 5 Nutrition</small>	Pitchers Cups Water Bowls Natural ingredients to flavor water (herbs, fruit, etc.)	 	Gather natural ingredients to add flavor to water, such as herbs or fruit. Set pitchers of water and cups on a table for the children to make a "water stand." Place the ingredients in bowls for the children to choose how to flavor their water.

WEEK 4 ANIMAL HOMES

LESSON 16 Layers of Nature <small>SCI 2 Natural & Earth Science</small>	Shallow plastic bin Small shovels or cups Bowls Nature items (dirt, sand, rocks/pebbles, leaves, grass, etc.)	 	Set out a shallow plastic bin and some small shovels or cups. Set out bowls of nature items, such as dirt, sand, rocks/pebbles, leaves and grass. Encourage the children to explore creating different layers inside the bin.
LESSON 17 Dirt Pictures <small>SCI 2 Natural & Earth Science</small>	Trays Dirt Bowls Nature items (sticks, pinecones, rocks, seeds, leaves, flowers, etc.)	 	Set out trays of dirt. Gather nature items (sticks, pinecones, rocks, seeds, leaves, flowers, etc.) and sort them into bowls. Encourage the children to use the nature items to create designs and pictures in the dirt.
LESSON 18 Patterning a Path <small>MR 5 Patterns</small>	Colored paper Scissors	 	Gather colored sheets of paper and cut each sheet into four equal rectangles. Set out all of the paper pieces in the block area for the children to create a patterned path.
LESSON 19 Hiding Underground <small>SCI 2 Natural & Earth Science</small>	Variety of containers (buckets, tubs, boxes, jars, etc.) Beanbags	 	Set out a variety of open containers. Set beanbags a few feet away from the containers. Invite the children to experiment with tossing the beanbags into the containers. Encourage the children to pretend the beanbags are animals hiding underground.
LESSON 20 Nature in a Box <small>SCI 2 Natural & Earth Science</small>	Box Printed background Nature items Animal figurines	 	Set out a box and open it to create a diorama. Print out a picture to attach to the box to create a background scene. Place dirt and nature items on the bottom and animal figurines inside.

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.
- If desired, use 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.

A master set of supply labels for STEAM and your environment, including blank labels for you to use with miscellaneous supplies, can now be found on Member Resources.



STEAM STATIONS

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



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**How can
you build
a climbing wall?**




**How can you
create a forest
home for animals?**



**How can you
paint a shadow?**



**How are trees
alike or different?**



**What textures
can you find
in nature?**



**How do things
float in the air?**




**How can you
make the paper
land in the box?**




**How does your
breath change
with exercise?**




**How can you
blend colors?**




**What can you use
to make sounds
in the wind?**



**How can you
measure the depth
of water in
a container?**



**How does
water change
the appearance
of objects?**



**How can
you change
the direction
water moves?**



**How can you
wash away germs?**



**Can you make
a flavored water?**



**What nature items
can you layer?**



**How can you use
nature items
to create a picture?**



**How can
you create
a pattern path?**



**What animals
hide underground?**



**Can you create
an animal habitat?**




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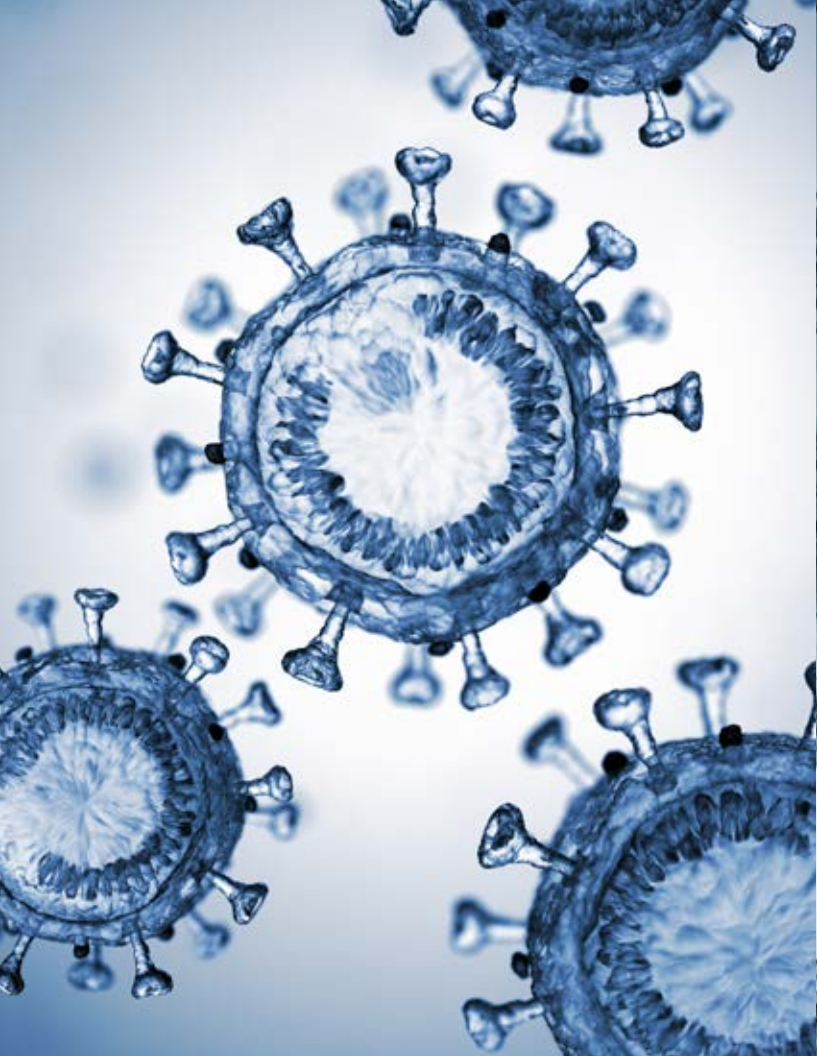
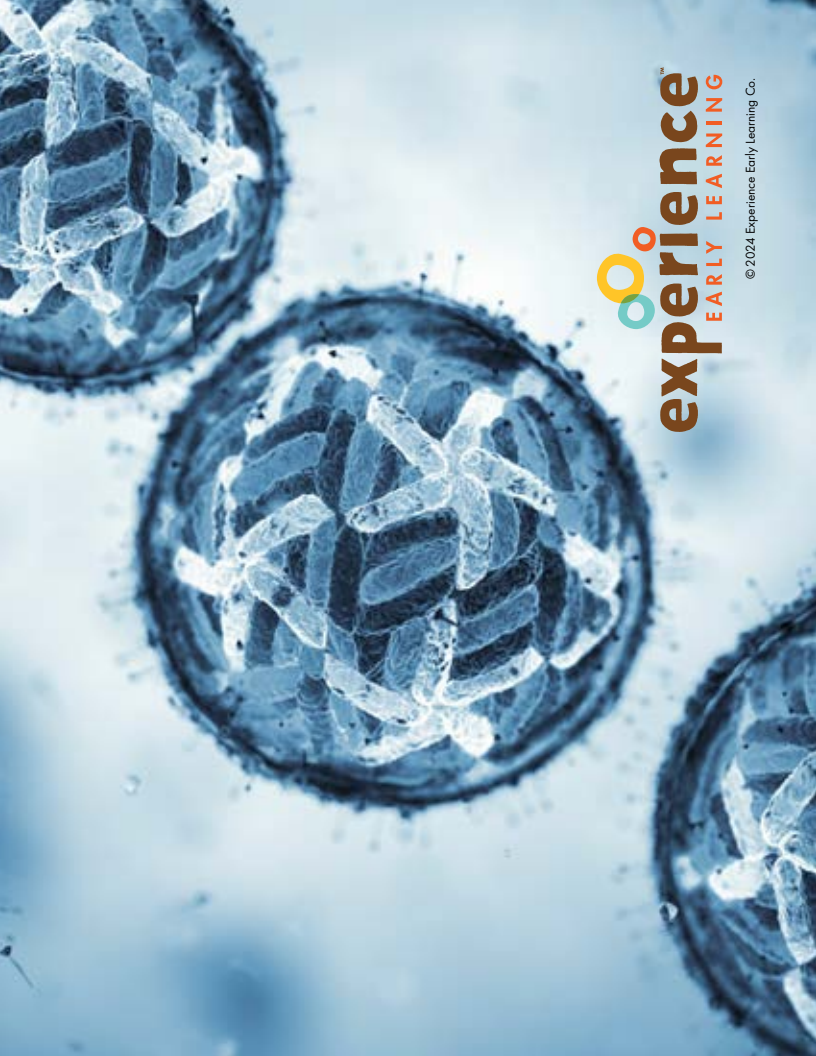
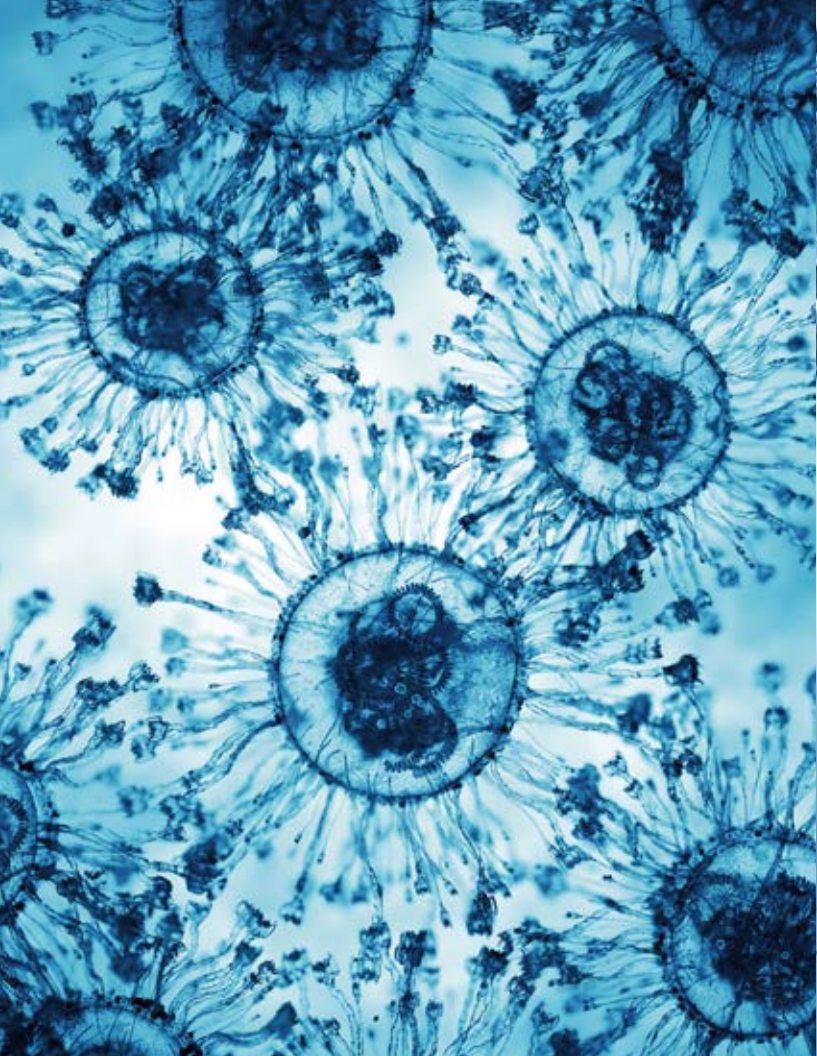



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