




















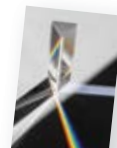


Global Passport





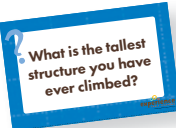


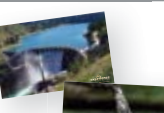


WEEK 1 TRAVEL TOOLS

STEAM STATION	YOUR SUPPLIES	BIG QUESTION AND INSPIRATION PHOTOS	TEACHER TIPS
LESSON 1 Wheel Construction <small>SCI 4 Technology</small>	Paper plates Sticks or straws Scissors	 	Invite the children to create rolling wheels by poking a hole in two paper plates, then inserting a stick or straw horizontally through the holes. What other ways can they create a wheel?
LESSON 2 Snapping Photos <small>SCI 4 Technology</small>	Digital cameras Sticky notes Marker Old cameras (optional)	 	Set out cameras for the children to explore taking pictures. Write the numbers 1-5 on sticky notes and place them around the room. Encourage the children to take a photo of each number. Optional: Set out old cameras to explore.
LESSON 3 Airplane Design Station <small>MR 2 Spatial Awareness</small>	Paper Markers Tape Straws Scissors Clipboards	 	Set out all materials. Draw a large circle on a blue paper to use as a landing target. Invite each child to design and draw an airplane, then build them. Make test flights. Could they land them on the target?
LESSON 4 Road Design <small>PD 2 Fine Motor</small>	Paper strips (black) Chalk Toy cars Scissors Tape	 	Set out tape, scissors, chalk, toy cars and long, black strips of paper for the children to create their own roads and city map in the block area.
LESSON 5 Coin Rubbings <small>SS 2 Civics & Economics</small>	Coins Paper Crayons Scissors Playdough	 	Set out different coins, paper, crayons and playdough. Explore making imprints in the dough. Then invite the children to place a coin under the paper and rub over it with the side of a crayon. If desired, cut out the coin images to make play money.




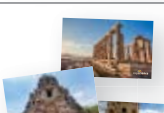

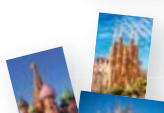




WEEK 2 WORLD MARKET

LESSON 6 Shape Faces <small>MR 3 Shapes</small>	Paper plates Paper Scissors Glue Markers	 	Set out paper plates, paper, glue, markers and scissors. Cut the plates and paper to design masks. What emotions will your masks communicate?
LESSON 7 Kite Construction <small>SCI 4 Technology</small>	Paper materials String Decorating materials Scissors Tape Glue Hole punch	 	Encourage the children to construct their own kites with the materials. Encourage the children to cut, design and assemble in any desired way. Test the kites outside and discover different ways to fly them.
LESSON 8 Rug Weaving <small>CA 3 Visual Arts</small>	Fabric scraps Yarn Old frame	 	Construct a weaving structure with an empty picture frame. Encourage the children to weave long fabric pieces through the homemade loom by going over and under the strings.
LESSON 9 Drum Investigation <small>SCI 3 Physical Science</small>	Drums Boxes Bowls	 	Set out different-sized drums, bowls or boxes to pound on. Explore which are loud, quiet, low and high sounds.
LESSON 10 Light Experiment <small>SCI 4 Technology</small>	Flashlight Variety of translucent/clear materials	 	Set out a variety of containers and a flashlight. If you have a prism, set that out. Explore how light shines through the objects and how it changes. Set out different colors of cellophane for the children to explore light and colors.

WEEK 3 NATURAL WONDERS

STEAM STATION	YOUR SUPPLIES	BIG QUESTION AND INSPIRATION PHOTOS	TEACHER TIPS
LESSON 11 Big Holes <small>SCI 2 Natural & Earth Science</small>	Bins of dirt Nature items Water (optional) Shovels or spoons	 	Set out bins of dirt and a bowl of nature items, e.g., rocks, leaves, sticks. Encourage the children to dig a trench with shovels or spoons in the dirt. If desired, pour water into the trench and discover what happens.
LESSON 12 Rock Wall <small>SCI 1 Investigation & Inquiry</small>	Rocks Blocks Playdough	 	Set out rocks, blocks and playdough on a tray. Encourage the children to construct a wall or any desired structure using the materials. Explore using the playdough to help secure the rocks/blocks in place.
LESSON 13 Making Mountains <small>SCI 1 Investigation & Inquiry</small>	Masking tape Building materials, e.g., blocks, cups, rocks, fabric	 	Use masking tape to create different-sized shapes on the floor. Encourage the children to build mountains or structures within those shapes. Leave out fabric pieces to cover their block mountains and reveal their shapes.
LESSON 14 Water Power <small>SCI 2 Natural & Earth Science</small>	Bin of water Recycled containers Objects that float	 	Punch holes in the containers and play with them in a water table. Explore how water falls. How does the water fall differently from each hole? Pour water over different floating objects in the water and observe what happens.
LESSON 15 Building Trees <small>CA 3 Visual Arts</small>	Paper Straws or craft sticks Hole punch	 	Roll brown paper and punch holes. Set out the rolled paper and straws. Encourage the children to explore putting the straws through the rolled paper holes and construct a tree with branches.

WEEK 4 MAN-MADE WONDERS

LESSON 16 Constructing Pyramids <small>SCI 1 Investigation & Inquiry</small>	Straws Pipecleaners Blocks	 	Set out materials for the children to explore building a pyramid. Suggest inserting the pipecleaners into the straws, then using them to twist the ends and hold the structure together. What other shape structures can they create?
LESSON 17 Ancient Ruins <small>SCI 1 Investigation & Inquiry</small>	Flour/salt dough: 2 c. all-purpose flour 1 c. salt 1 c. cold water Ice cube tray	 	Set out dough with an ice cube tray. Encourage the children to create different types of bricks by pressing dough into ice cube tray. After the dough dries, invite the children to build 3D models of ancient ruins.
LESSON 18 Colorful Cathedral <small>CA 3 Visual Arts</small>	Cardboard tubes Wrapping paper Blocks Tape	 	Wrap cardboard tubes and blocks with wrapping paper to decorate. Encourage the children to build a colorful cathedral. Leave out wrapping paper and tape for the children to wrap more blocks.
LESSON 19 Cup Towers <small>MR 7 Logic & Reasoning</small>	Paper or plastic cups Pieces of cardboard Figurines and/or soft toys	 	Set out materials for children to explore building towers. Suggest alternating cups and cardboard to create layers. How else can they build towers with cups and cardboard? If desired, test towers by placing toys atop them.
LESSON 20 Longest Wall <small>SCI 4 Technology</small>	Nature items or blocks	 	Explain that the Great Wall of China is the longest structure made by humans for protection. Made from wood, bricks and stone, it is 5,500 miles long. Gather nature items or use blocks to make a long wall around the entire room.

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.

? How do the drums sound different?

experience

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.

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**How can you
make a wheel?**




**How do
cameras work?**



**Can you design
an airplane?**



**Can you
build roads?**



**What can you
see and feel
on a coin?**



**Can you design
a mask?**



**How does a kite
stay in the air?**



**If you owned
a rug, where
would you put it?**



**How do
the drums
sound different?**



**What can light
shine through?**



**What happens
when you
add water
to a dirt trench?**



**Would you want
to live in a house
made of rocks?**



**What is the tallest
structure you have
ever climbed?**



**How strong
is falling water?**



**Can you build
a tree design?**



**How is a pyramid
different from
a house?**




**Can you
create bricks?**



**Can you build
a cathedral?**



**Can you build
a tower?**



**What can you
use to build
a great wall?**








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COINS



Penny

1 cent



Nickel

5 cents



Dime

10 cents



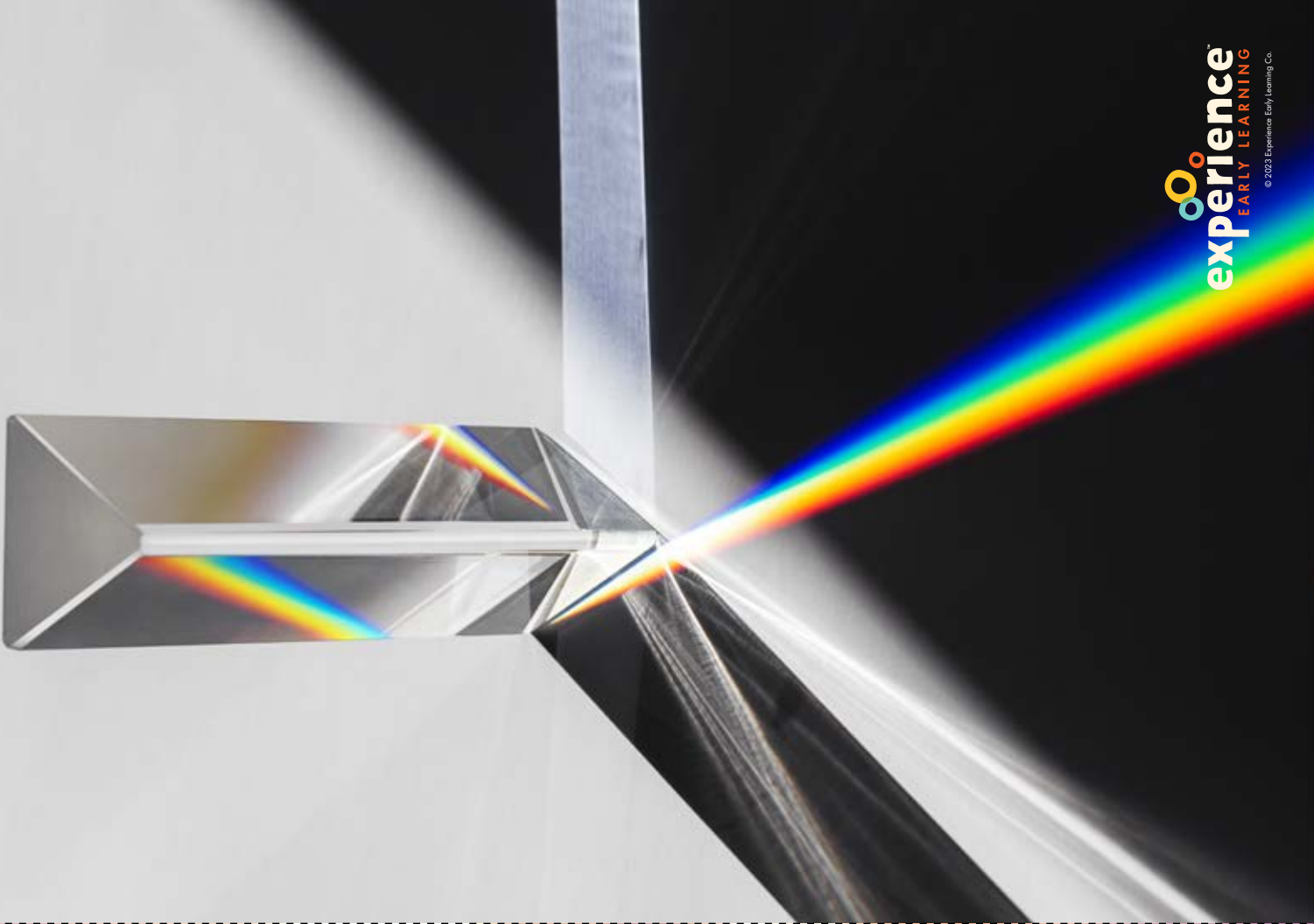
Quarter

25 cents














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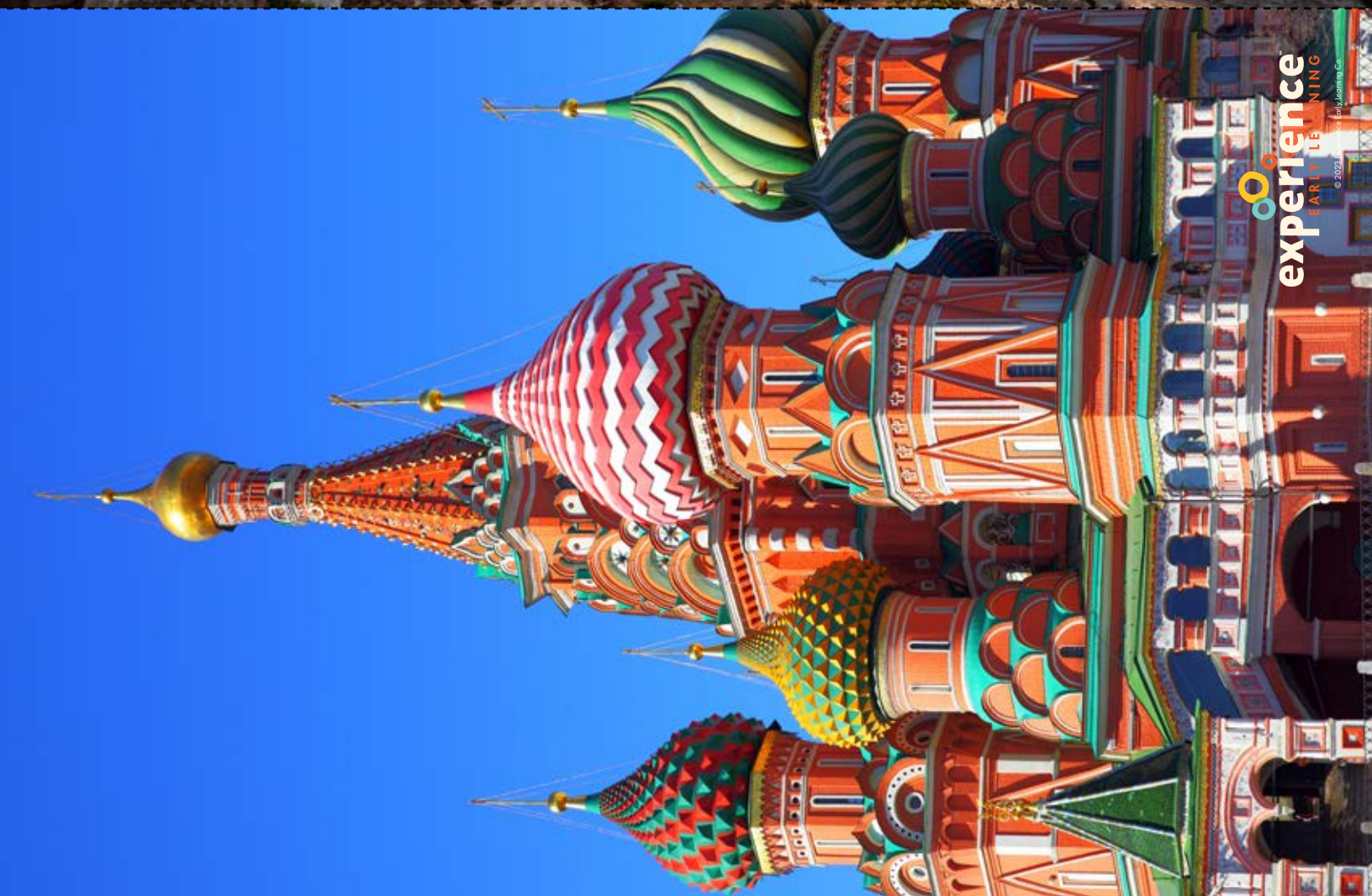






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