

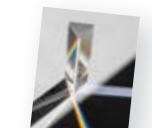


Global Passport

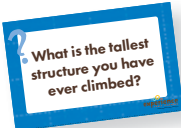
WEEK 1 TRAVEL TOOLS

STEAM STATION	YOUR SUPPLIES	BIG QUESTION AND INSPIRATION PHOTOS	TEACHER TIPS
LESSON 1 Wheel Construction SCI 3a Physical Science SCI 4 Technology	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.
LESSON 2 Snapping Photos SCI 4 Technology	Digital cameras Sticky notes Marker Old cameras (optional)	 	Set out cameras for the children to explore. Write the numbers 1-5 on sticky notes and place them around the room. Encourage the children to take a photo of each number. If desired, use cardboard and markers to create pretend cameras.
LESSON 3 Airplane Design Station SCI 3a Physical Science SCI 4 Technology	Paper Markers Tape Straws Scissors Clipboards	 	Set out all of the materials. Draw a large circle on blue paper to use as a target. Invite each child to design and draw an airplane. Then encourage the children to build them. Have test flights. Can they land the airplanes on the target?
LESSON 4 Road Design SS 3b Geography	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 SCI 1a Investigation & Inquiry	Coins Paper Crayons Scissors Playdough	 	Set out play money or other textured objects, paper, crayons and playdough. Explore making imprints in the dough. Then invite the children to place the items under the paper and rub over it with the side of a crayon.

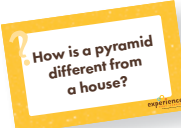
WEEK 2 WORLD MARKET

LESSON 6 Shape Faces CA 3a & CA 3b Visual Arts SED 1d Self-Awareness	Paper plates Paper Scissors Glue Markers	 	Set out paper plates, paper, glue, markers and scissors. Help the children cut the plates and paper to design masks. Invite the children to decorate their masks as desired.
LESSON 7 Kite Construction SCI 1a & SCI 1b Investigation & Inquiry SED 4a Problem-Solving ATL 1b Attention & Persistence	Sticks Paper String Decorating materials Scissors Tape Glue Hole punch	 	Set out the materials and invite the children to construct kites. Encourage them to design, cut and assemble their kite in any desired way. Go outside and test the kites. Invite the children to write down what they notice.
LESSON 8 Rug Weaving PD 2 Fine Motor CA 3b Visual Arts	Fabric scraps Yarn Old frame	 	Construct a loom using an empty picture frame and yarn or string. Invite the children to weave long fabric pieces through the loom by going over and under the strings.
LESSON 9 Drum Investigation SCI 3b Physical Science CA 1a Music	Drums Boxes Bowls	 	Set out different-sized drums, bowls or boxes to pound on. Explore which make loud, quiet, low and high sounds.
LESSON 10 Light Exploration SCI 3b Physical Science SCI 4 Technology	Flashlight Variety of translucent/clear materials Different colors of cellophane	 	Set out a variety of containers and a flashlight. If desired, set out a prism. Invite the children to explore how light shines through objects and if it changes. Set out different colors of cellophane for the children to explore light and color.

WEEK 3 NATURAL WONDERS

STEAM STATION	YOUR SUPPLIES	BIG QUESTION AND INSPIRATION PHOTOS	TEACHER TIPS
LESSON 11 Big Holes SCI 1a & SCI 1b Investigation & Inquiry	Bins of dirt Shovels or spoons Nature items (rocks, leaves, sticks) Water	 	Set out bins of dirt, shovels or spoons and a bowl of nature items. Encourage the children to dig a trench in the dirt with shovels or spoons. Pour water into the trench. Encourage the children to observe and describe what happens.
LESSON 12 Rock Wall SCI 1a & SCI 1b Investigation & Inquiry	Tray Rocks Blocks Playdough	 	Set out the materials on the tray. Encourage the children to build a wall or another structure with the materials. Explore using playdough to help secure the rocks and blocks in place like mortar. Encourage the children to observe and write down what happens as they build.
LESSON 13 Making Mountains SCI 3b Physical Science LLD 1a Listening SS 3a Geography	Masking tape Building materials, e.g., blocks, cups, rocks, fabric	 	Use masking tape to create shapes of different sizes on the floor. Encourage the children to build mountains or structures within the shapes. Set out fabric pieces for the children to cover their blocks and form mountain shapes.
LESSON 14 Water Power SCI 1a Investigation & Inquiry SCI 3b Physical Science	Bin of water Recycled containers Objects that float	 	Punch holes in the containers and play with them at the water table. Explore how the water falls. Pour water over different floating objects in the water and observe what happens.
LESSON 15 Building Trees PD 2 Fine Motor SCI 2a Natural & Earth Science	Paper Straws or craft sticks Hole punch	 	Punch holes in a piece of brown paper. Roll and tape the paper to create a tree trunk. Set it out with straws. Encourage the children to explore putting the straws through the holes to create a tree with branches.

WEEK 4 HUMAN-MADE WONDERS

LESSON 16 Constructing Pyramids SCI 1a Investigation & Inquiry	Straws Pipecleaners Blocks	 	Set out the materials for the children to explore building a pyramid. Encourage them to insert the pipecleaners into the straws, then twist the ends to hold the structure together.
LESSON 17 Ancient Ruins SED 4a Problem-Solving SCI 1a Investigation & Inquiry	Playdough Ice cube tray	 	Set out some playdough and an ice cube tray. Encourage the children to create different types of bricks by pressing the playdough into the ice cube tray. Invite the children to use their "bricks" to create models of ancient ruins.
LESSON 18 Colorful Cathedral M 3 Shapes CA 3b Visual Arts	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 SCI 1a & SCI 1b Investigation & Inquiry	Paper or plastic cups Pieces of cardboard Figurines and/or soft toys	 	Set out materials for the children to explore building towers. Suggest alternating the cups and cardboard to create layers. Test the towers by placing toys atop them. Encourage the children to observe and describe what happens to their tower.
LESSON 20 Longest Wall SED 3c Social Relationships SCI 1a Investigation & Inquiry	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 build a long structure.

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.

ExperienceCurriculum.com


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**How can you
make a wheel?**



**How do
cameras work?**



**How could you
change your
airplane to make
it fly farther?**



**How can you
build roads?**



**What do you
see on a coin?**



**What shapes
and colors
do you see on
your 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?**



**What happens
when you add
more branches
to your tree?**



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



**What happens
if you stack
your bricks
in different ways?**



**How can you
build a cathedral?**



**How can you
build a tower?**



**What happens
if we make
the wall taller
(or shorter)?**








experience
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COINS



Penny

1 cent



Nickel

5 cents



Dime

10 cents



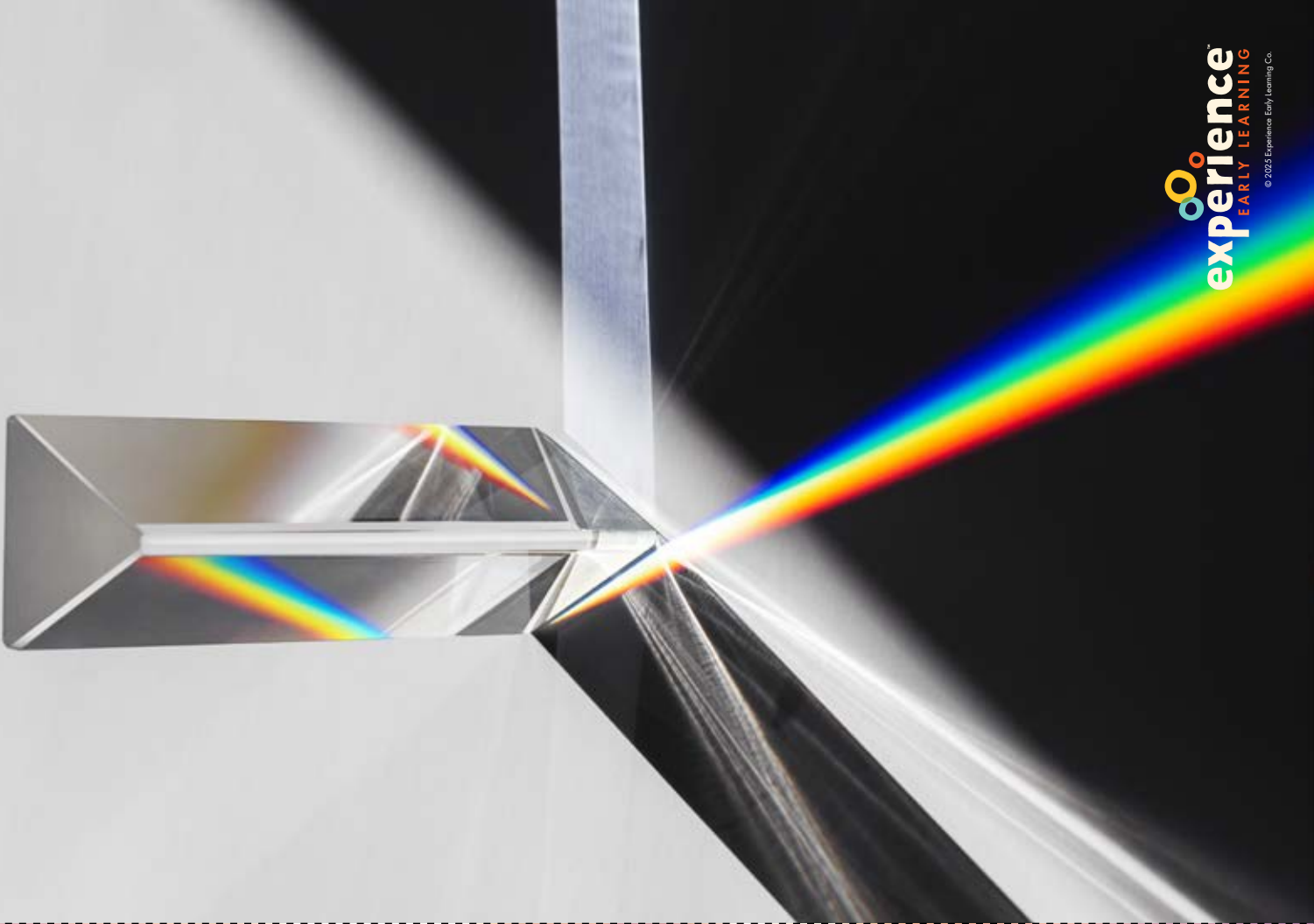
Quarter

25 cents














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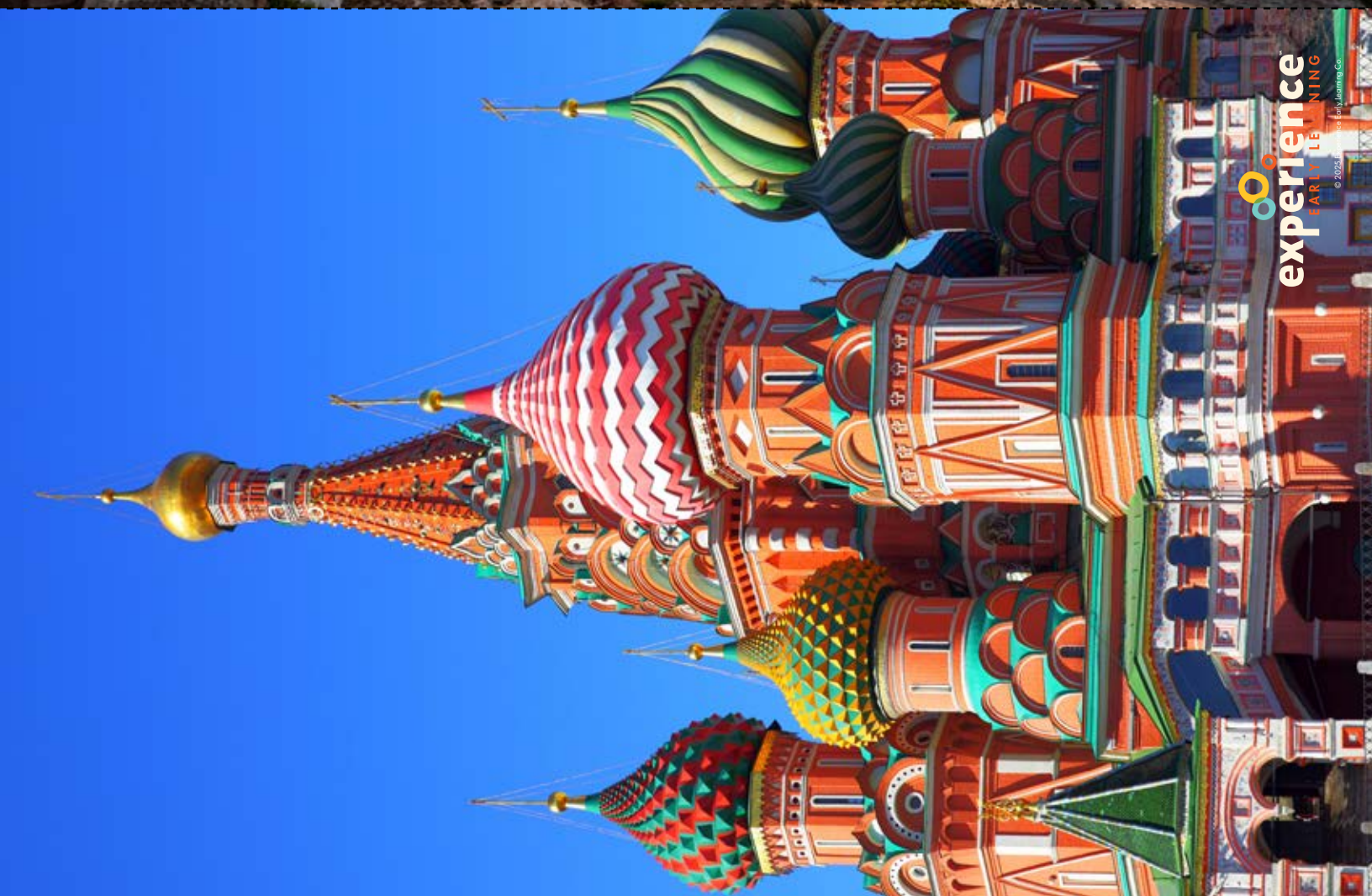






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