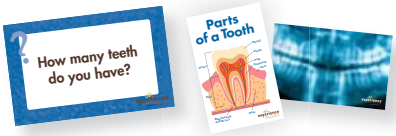
STEAM STATIONS

Community Helpers

STEAM STATION	YOUR SUPPLIES	BIG QUESTION AND INSPIRATION PHOTOS	TEACHER TIPS
WEEK 1 HEALTH & SAFETY			
LESSON 1 **Putting Out Fires** **SCI 4** Technology **SS 1** Culture & Community	Rocks Red/orange chalk Nature items Spray bottles filled with water		Invite children to color the rocks and nature items with chalk then spray them to "put out fires." Pretend to be firefighters together. Talk about other community helpers.
LESSON 2 **Doctor's Office** **SCI 2** Natural & Earth Science **CA 4** Drama	Gauze Bandages Syringes Blankets Dolls/stuffed animals		Set out a variety of doctor supplies such as gauze, bandages, syringes and blankets. Set out dolls and stuffed animals as "patients." Pretend to be doctors curing sick or injured patients.
LESSON 3 **Traffic Police** **SS 1** Culture & Community **SED 4** Social Relationships	Cardboard Markers Rulers Tape		Set out cardboard, markers, rulers and tape to create traffic signs. Tape them onto a ruler or stick and take turns directing traffic with the signs.
LESSON 4 **Pulling Teeth** **PD 4** Personal Care **PD 2** Fine Motor	Playdough White pony beads Tweezers Floss Toothbrush		Roll out playdough balls to look like mouths and set them out. Press white beads into the dough to resemble teeth. Set out tweezers, floss and a toothbrush for children to explore.
LESSON 5 **Bus Route** **SS 3** Geography **MR 7** Logic & Reasoning	Boxes Cardboard strips Toy vehicles		Use boxes to make various buildings and create cardboard strip "roads" to connect them. Set out toy cars or buses in the block area. Talk about where buses might travel, e.g., to schools, malls, libraries, doctor's offices.
WEEK 2 IN THE NEIGHBORHOOD			
LESSON 6 **Post Office** **SCI 4** Technology **LLD 7** Writing	Cardboard box or real mailbox Paper Envelopes Markers Postcards		Create a cardboard "mailbox" with a flap to open (or use a real mailbox). Explore opening and closing things that have hinges or flaps. Practice writing letters or making marks on "postcards" then pretend to mail them.
LESSON 7 **Nuts & Bolts** **SCI 1** Investigation & Inquiry **PD 2** Fine Motor	Tray of nuts, bolts, washers		Set out a tray of nuts, bolts and washers for children to explore.
LESSON 8 **Building Signs** **MR 2** Spatial Awareness **SCI 1** Investigation & Inquiry	Paper Tape Blocks		Draw shapes on sheets of paper and hang them in the block area. Encourage children to use the blocks or other building materials to build the shapes.
LESSON 9 **Tossing Trash** **PD 1** Gross Motor **MR 6** Classification	Colored paper Boxes or trash cans		Tape a sheet of colored paper onto boxes or trash cans of different sizes. Crumple up colored paper and explore tossing the paper into the matching colored containers. Talk about sorting and recycling as children play.
LESSON 10 **Water Pipes** **SCI 3** Physical Science **SS 1** Culture & Community	Plastic tubing or pieces of pipe Bin of water Nature items		Set out plastic tubing or pieces of pipe. Fill a bin with water. Set out nature items then encourage children to explore using the items to explore the way water pours and drops through pipes.

STEAM STATION	YOUR SUPPLIES	BIG QUESTION AND INSPIRATION PHOTOS	TEACHER TIPS
WEEK 3 DOWNTOWN			
LESSON 11 **Shipping Boxes** **MR 7** Logic & Reasoning **MR 2** Spatial Awareness	Variety of boxes Tape Blocks/toys (optional)		Set out a variety of boxes from very small to very big in the block area. Seal each one. Encourage children to explore stacking them to build towers, walls or a house.
LESSON 12 **Nature Soup** **SCI 2** Natural & Earth Science **CA 4** Drama	Pots Different types of spoons Nature items		Encourage children to use the nature items to explore stirring, splashing, straining, sinking and floating. Pretend to be chefs making a nature soup.
LESSON 13 **Coin Investigation** **SCI 3** Physical Science **SS 2** Civics & Economics	Various coins Playdough Paper Crayons Child-safe scissors		Encourage children to press coins into playdough and explore different imprints. Experiment with making coin rubbings. Ask, "What are coins used for?"
LESSON 14 **Comb Exploration** **SCI 3** Physical Science **PD 2** Fine Motor	Variety of combs, brushes, picks Bins Sand Cornmeal Flour		Set out a variety of combs, brushes and picks. Fill bins with different materials such as sand, cornmeal and flour. Encourage children to experiment with combing through the different textures and making designs.
LESSON 15 **Go Shopping** **SS 2** Civics & Economics **MR 1** Number Sense	Cardboard boxes Shopping bags, carts, baskets Paper Markers		Set up a shop either of toys or clothes. Pretend to buy and sell items.
WEEK 4 CREATIVE CAREERS			
LESSON 16 **Bottle Musicians** **CA 1** Music **SCI 1** Investigation & Inquiry	Containers with lids Small items Water Sand Spoons or sticks		Fill small containers with water or sand and small items like rice, paper clips, beads. Secure the lids. Set out spoons or sticks and encourage children to shake, tap and explore the different sounds they make.
LESSON 17 **Puppet Theater** **CA 4** Drama **LLD 2** Communication	Cardboard box Fabric Puppets Stuffed animals or socks		Set up a puppet theater. Make a stage with a cardboard box and fabric. Set out toy puppets, stick puppets, stuffed animals or socks. Encourage children to stage shows while other children watch in the audience.
LESSON 18 **Dance Course** **PD 1** Gross Motor **CA 2** Dance & Movement	Toy hoops		Set out hoops to create an obstacle course. Hang some hoops vertically and lay some on the ground. Encourage children to explore different ways to dance in and out of the hoops.
LESSON 19 **Letter Towers** **LLD 4** Alphabetic Knowledge **MR 7** Logic & Reasoning	Paper Marker Tape Blocks		Write the alphabet on scrap pieces of paper. Then tape each one on a block. Encourage children to explore stacking, constructing, ordering or sorting the blocks.
LESSON 20 **Still-Life Drawings** **CA 3** Visual Arts **MR 3** Shapes	Clipboards Paper Markers/crayons Nature items		Provide clipboards with blank paper. Go outside with the clipboards or set up a variety of nature items on the indoor science table. Encourage children to study the nature then draw it. Display the drawings afterward.

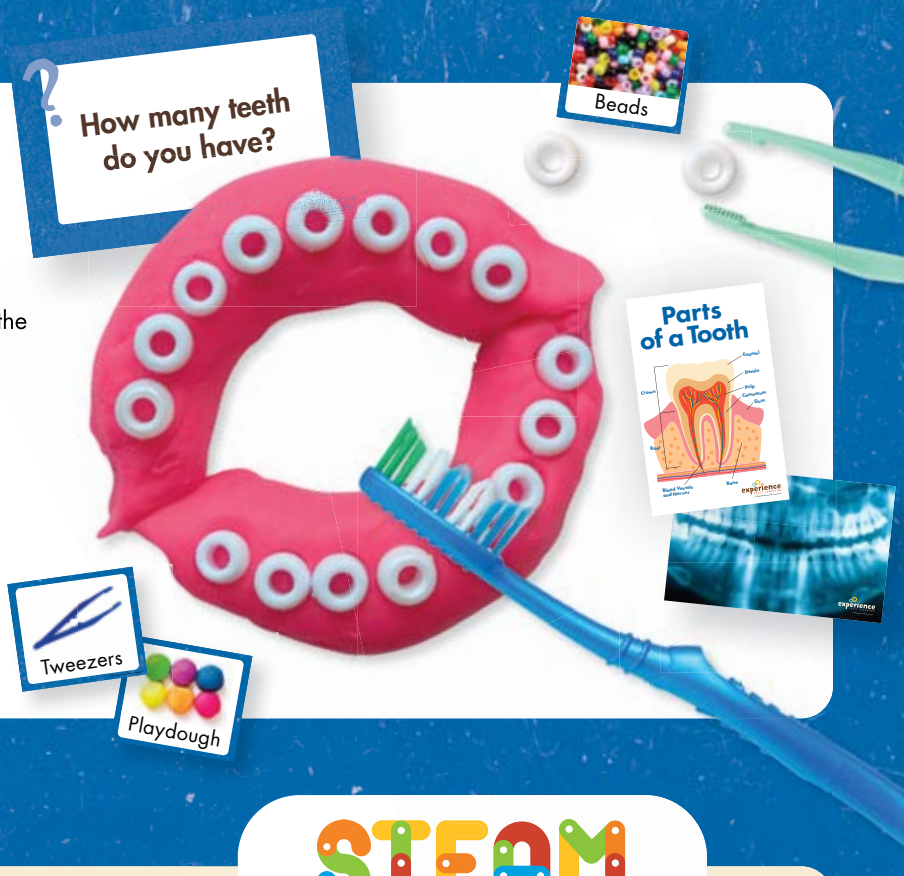
Set-Up Directions

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

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 do firefighters put out fires?

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Where does it hurt?

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What traffic signs do you see?

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How many teeth do you have?

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Can you build a bus stop?

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Can you mail a letter?

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Can you twist together nuts and bolts?

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Can you build shapes?

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Can you sort the trash?

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How do pipes work?

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How do you stack boxes?

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What kind of soup can you pretend to make?

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What do you notice about the coins?

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How do bushes and combs work?

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What would you like to buy?

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What different sounds can you make?

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Can you stage a puppet show?

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What moves can you dance?

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What words can you build?

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Can you draw what you see?

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DOCTOR'S OFFICE

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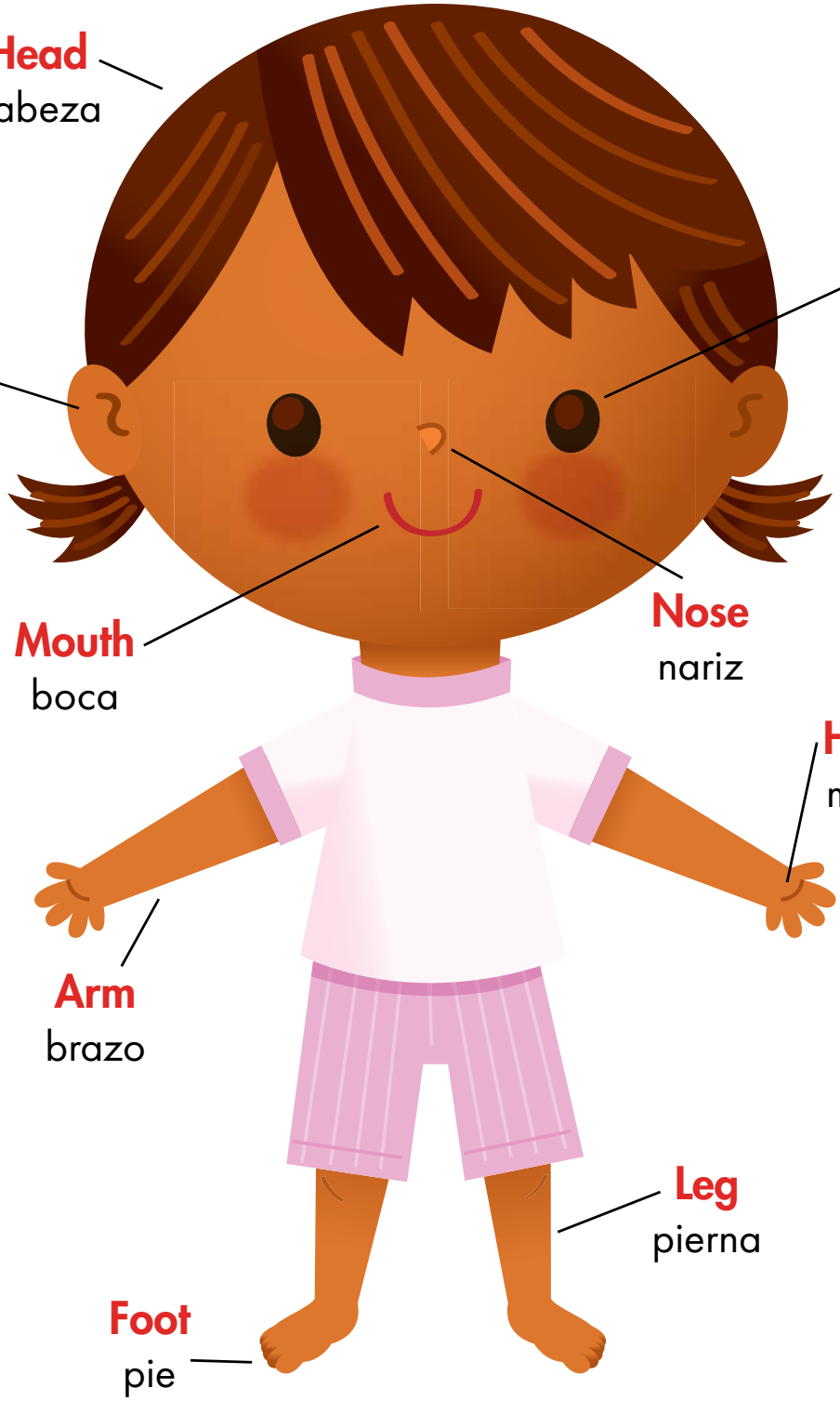
Parts of the Body



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Traffic Signs

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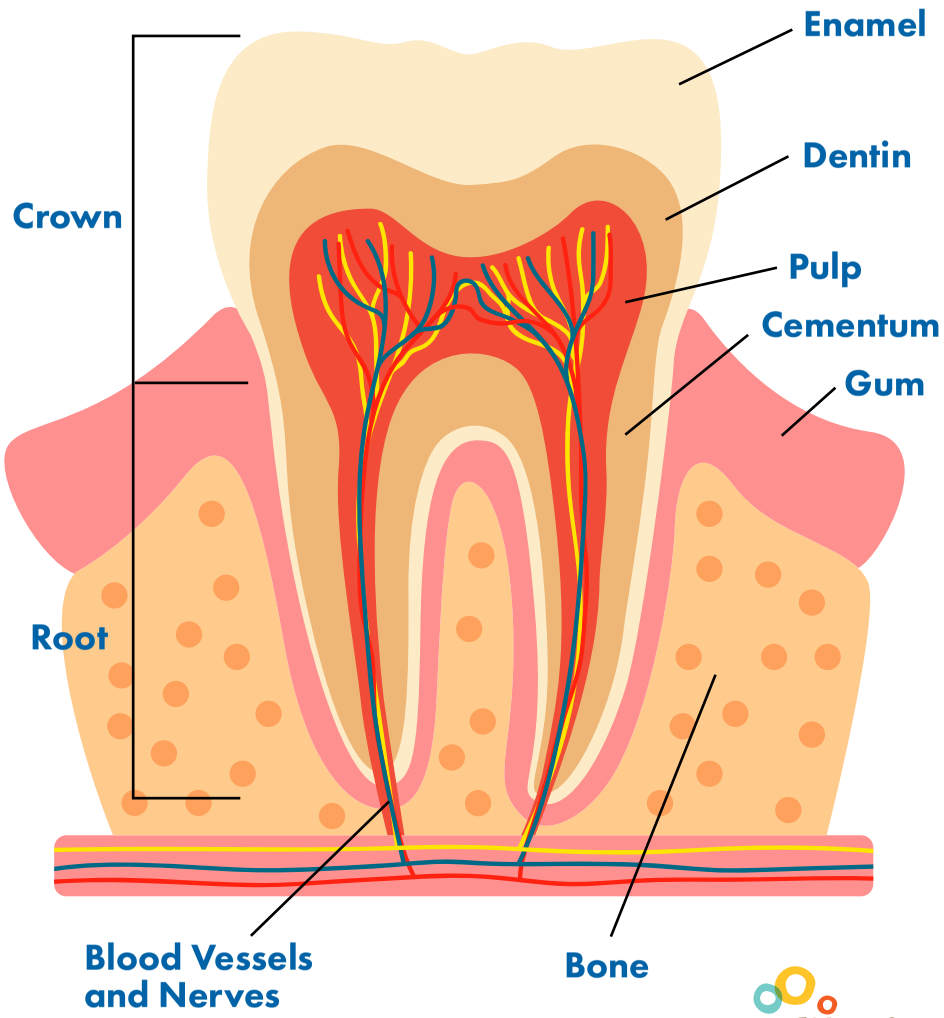
Parts of a Tooth



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SCHOOL BUS
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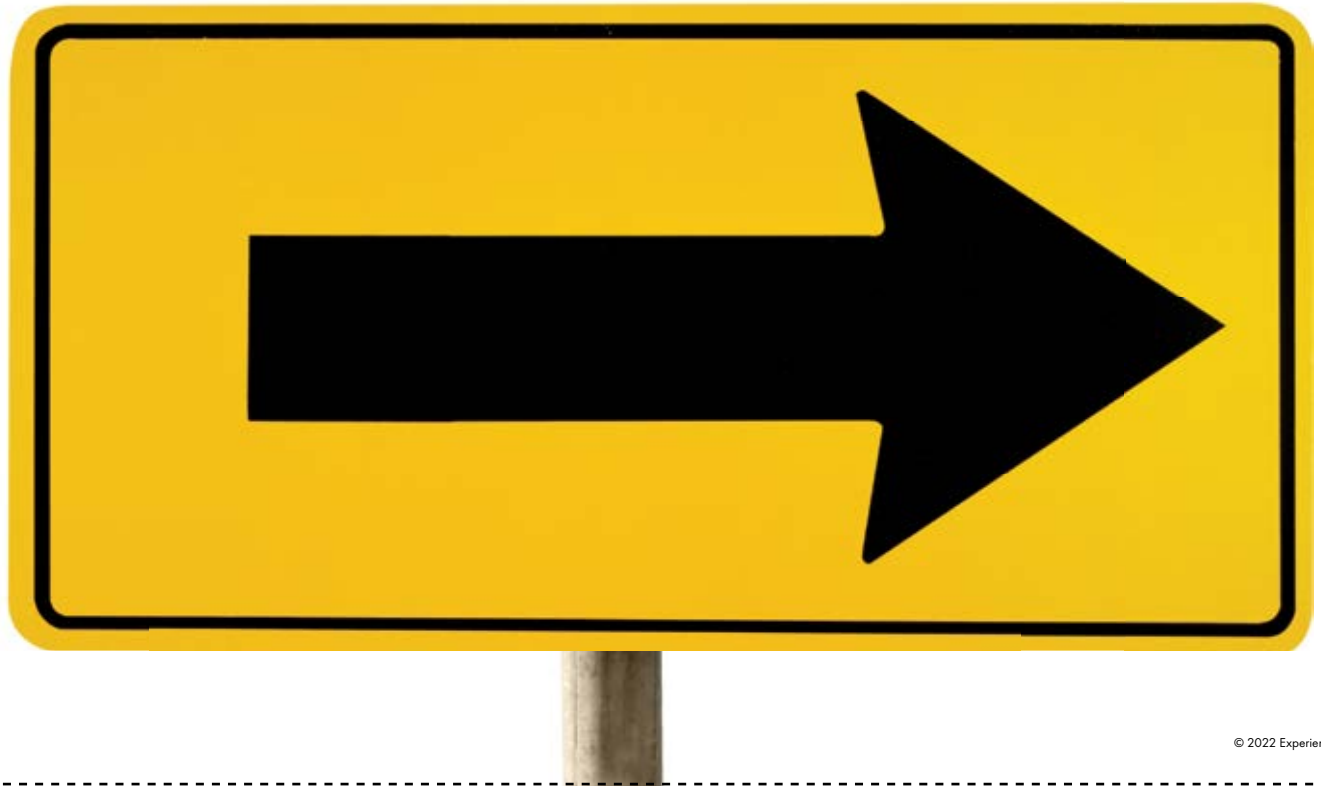
Can you build a rectangle?



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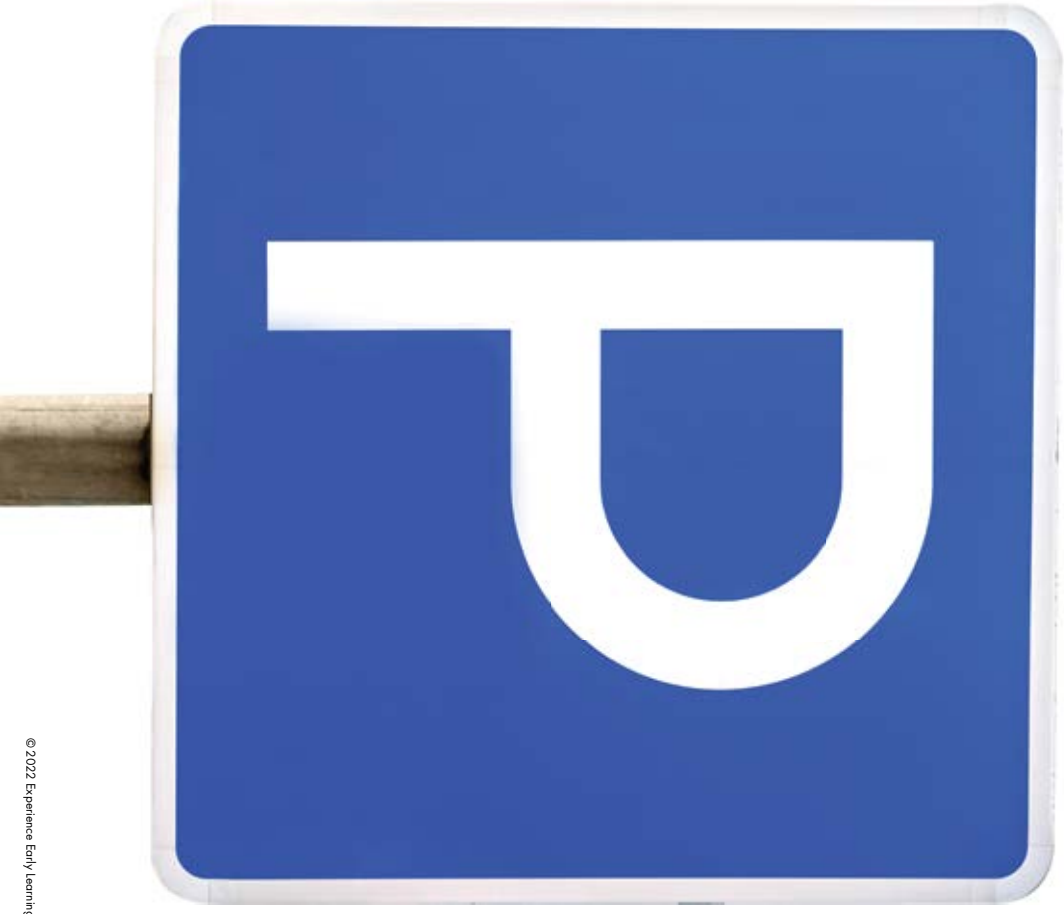
Can you build a square?



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Can you build an octagon?

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Can you build a triangle?

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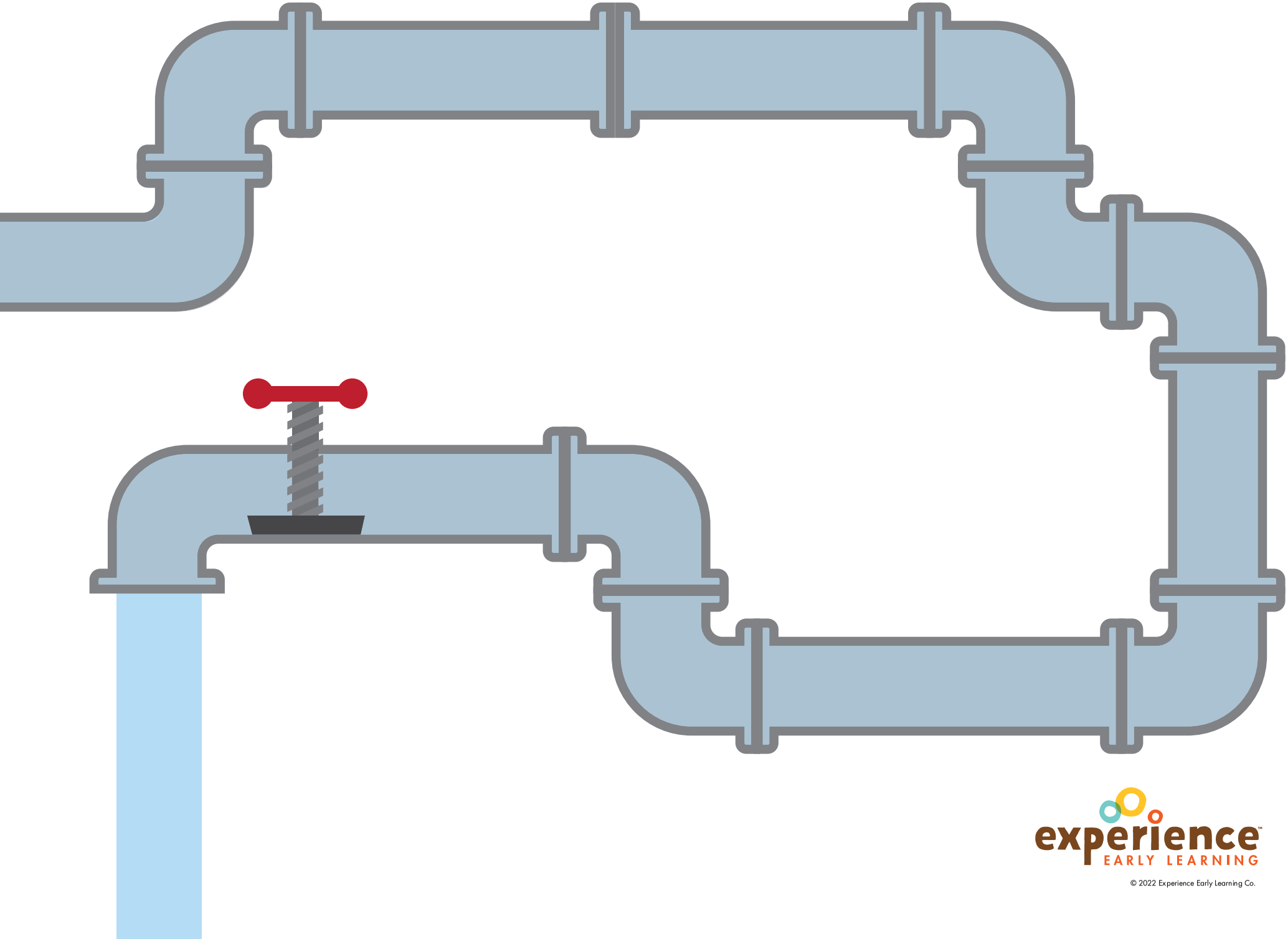

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Coins of the United States

Penny
1¢

Nickel
5¢

Quarter
25¢

Dime
10¢

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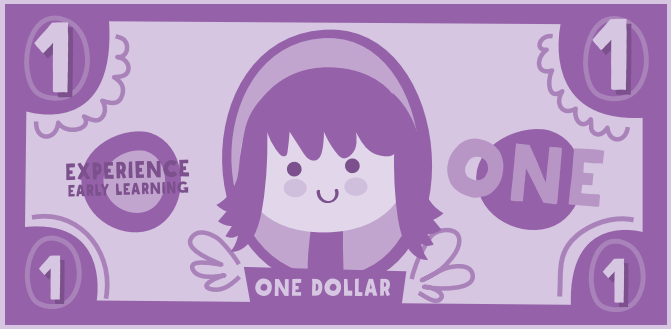

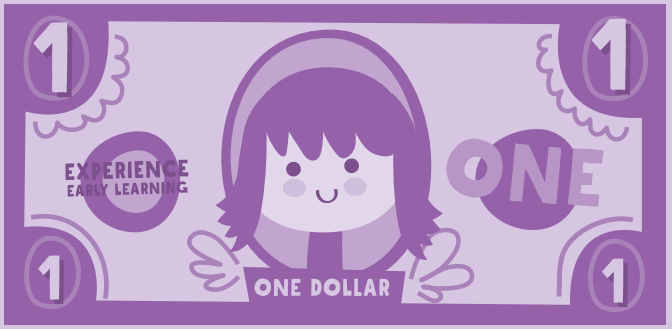

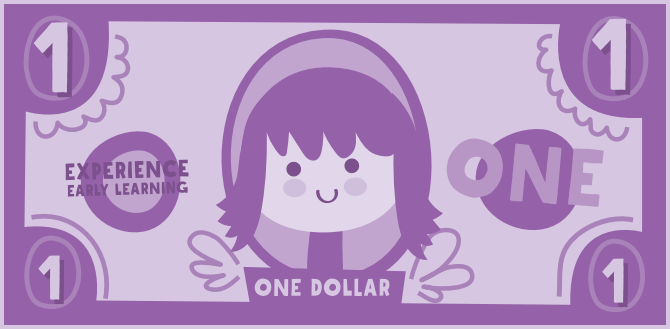

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$1	$2
$1	$2
$1	$3
$2	$3
$2	$3

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Welcome to the Puppet Show

ADMIT ONE

Puppet Show

ADMIT ONE

ADMIT ONE

Puppet Show

ADMIT ONE

ADMIT ONE

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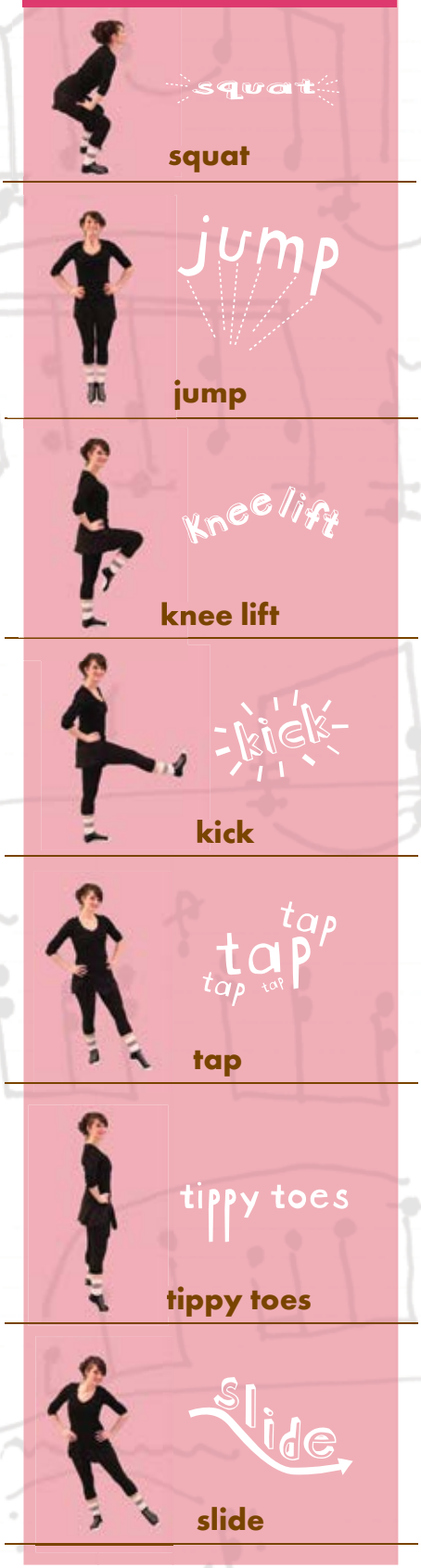
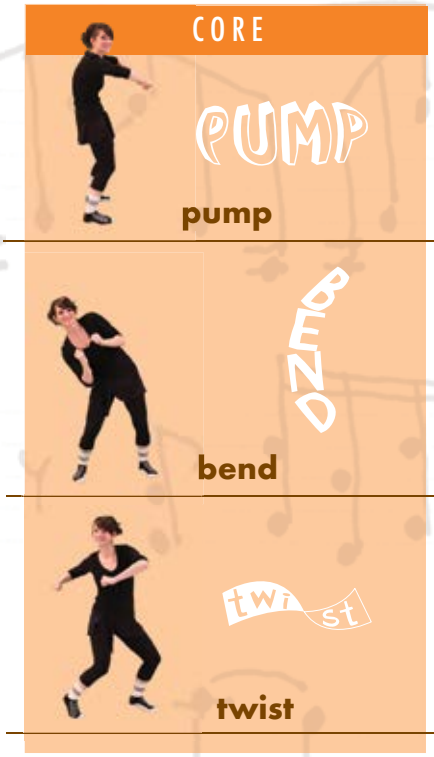
DANCE 'n Beats 21 Basic Moves

UPPER BODY

LOWER BODY



CORE



HEAD

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A	B	C	D
E	F	G	H
I	J	K	L
M	N	O	P
Q	R	S	T
U	V	W	X
Y	Z		

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CAT

DOG

BUS

CAR

HAT

PAN

PIG

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Rocks

Chalk

Nature Items

Spray Bottles

Water

Gauze

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Bandages

Syringes

Blankets

Dolls

Plush Toys

Cardboard

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Markers

Rulers

Tape

Playdough

Beads

Tweezers

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Floss

Toothbrushes

Boxes

Toy Vehicles

Mailbox

Paper

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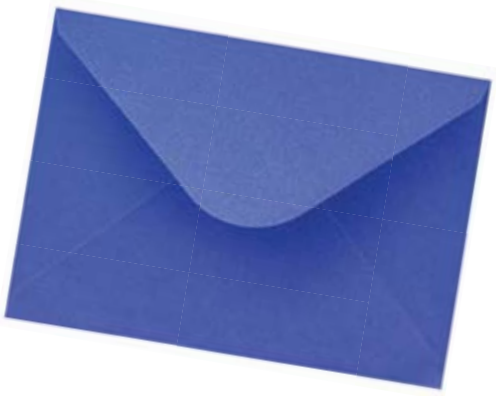

Envelopes

Postcards

Trays

Hardware

Blocks

Trash Cans

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Plastic Tubes

Bins

Pots

Spoons

Coins

Crayons

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Scissors

Combs & Brushes

Sand

Cornmeal

Flour

Shopping Bags

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Carts

Baskets

Containers

Small Items

Sticks

Fabric

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Puppets

Socks

Toy Hoops

Clipboards

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