

3 WEEKS OF

MAKERstations



CREATED BY BROOKE BROWN



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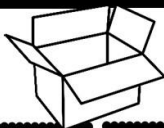
COMPONENTS

Instruction Cards
with supply lists
and QR Code Resources
for students


Student Planning
and Reflection Sheets

MAKER STATION

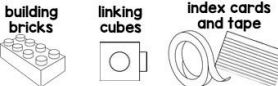
Make a box that holds pennies.




MATERIAL OPTIONS



building bricks linking cubes index cards and tape




pennies




RESOURCES

BUILDING BRICK CONTAINER



INDEX CARD BOX

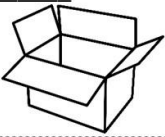
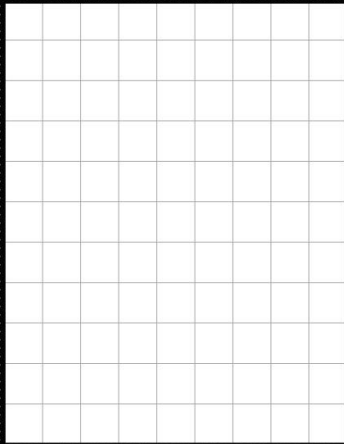


BOX

Maker Station Creation


Name: _____

Blueprint



MATERIALS

How many pennies does your box hold?

_____ pennies 


What else can your box hold?

Optional
App Extensions

MAKERstation

EXTENSION APPS


SEESAW



CLASS


Take a photo of your creation and write or record a description OR record a video to describe your creation and how it works.

APPLE NOTES




Take a photo of your creation. Add text labels on your picture. Write a description of your creation.

DRAW & TELL



Add a photo of your creation as the background and add stickers. Use the "record" button to describe your creation and how it works.

IMOVIE



Record a movie to share how you made your creation and how it works.

HOW TO USE

Maker Stations provide targeted design thinking challenges for elementary students, emphasizing skills in engineering, art, math, science, technology, and music. 15 Maker Station options are provided for 3 weeks of daily home activities.

Each Maker Station includes simplified supply lists, instructions, scannable QR code resources, and student planning/reflection templates.

App extensions are provided for students to share and present creations virtually.

MAKER Station

EXTENSION APPS

SEESAW



Take a picture of your creation. Write or record your voice to tell about it.

APPLE NOTES



Take a picture of your creation. Add labels on your picture. Write about your creation.

DRAW & TELL



Add a picture of your creation as the background. Add stickers. Use the "record" button to tell how your creation works.

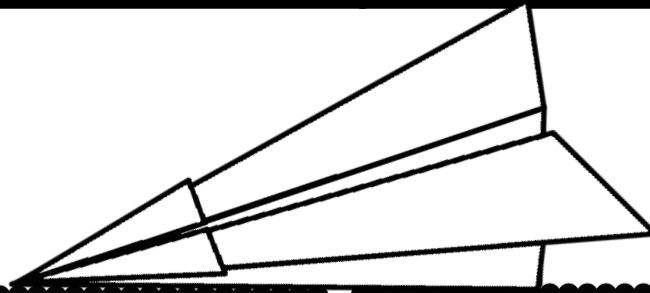
IMOVIE



Record a movie about how you made your creation and how it works.

MAKER STATION

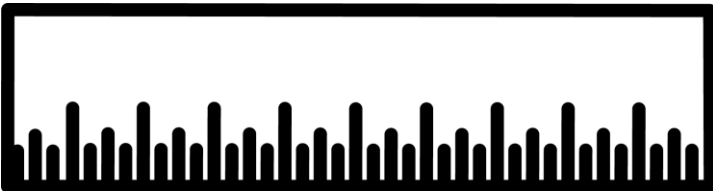
Make a paper airplane that flies.



MATERIALS



paper



meter stick

RESOURCES

MAKE A PAPER AIRPLANE



FOLD N FLY

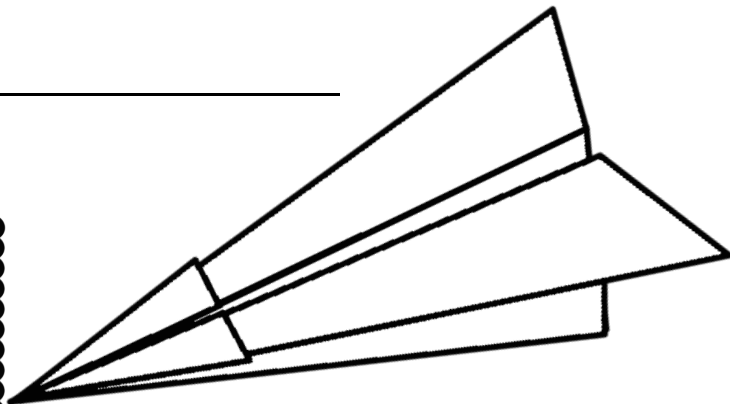
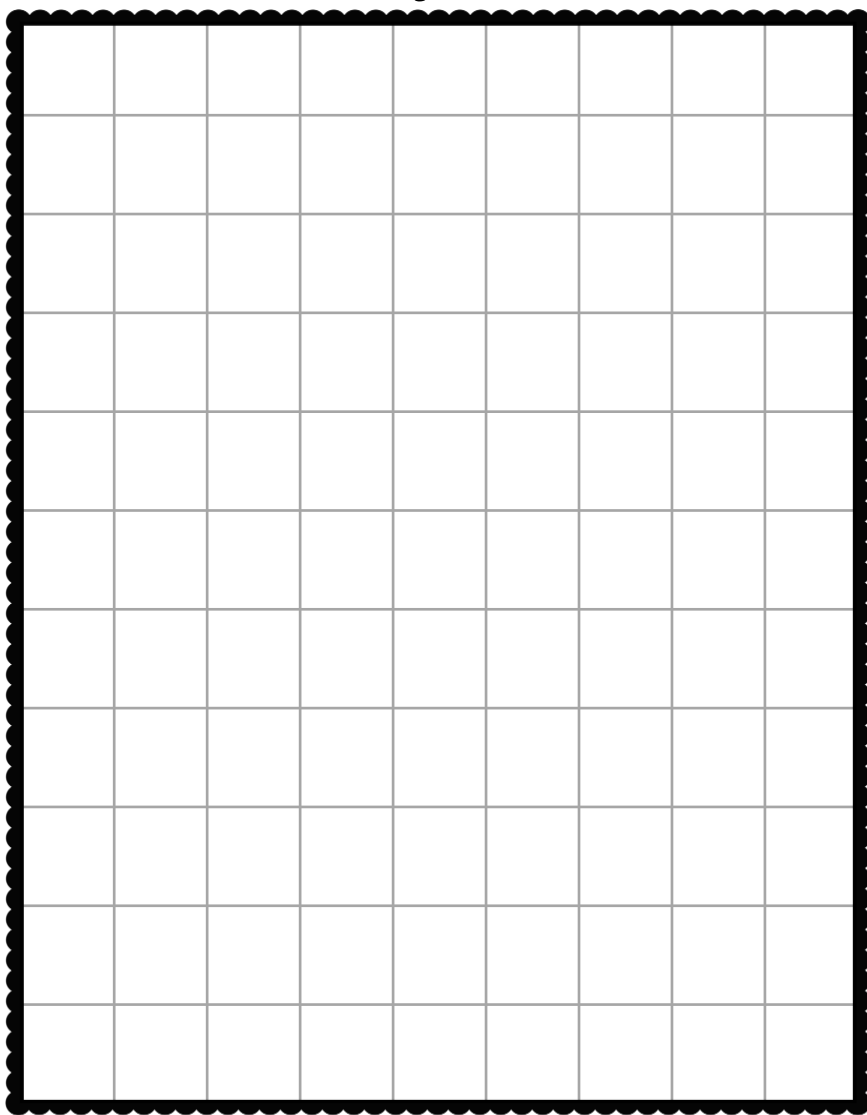


PAPER AIRPLANE

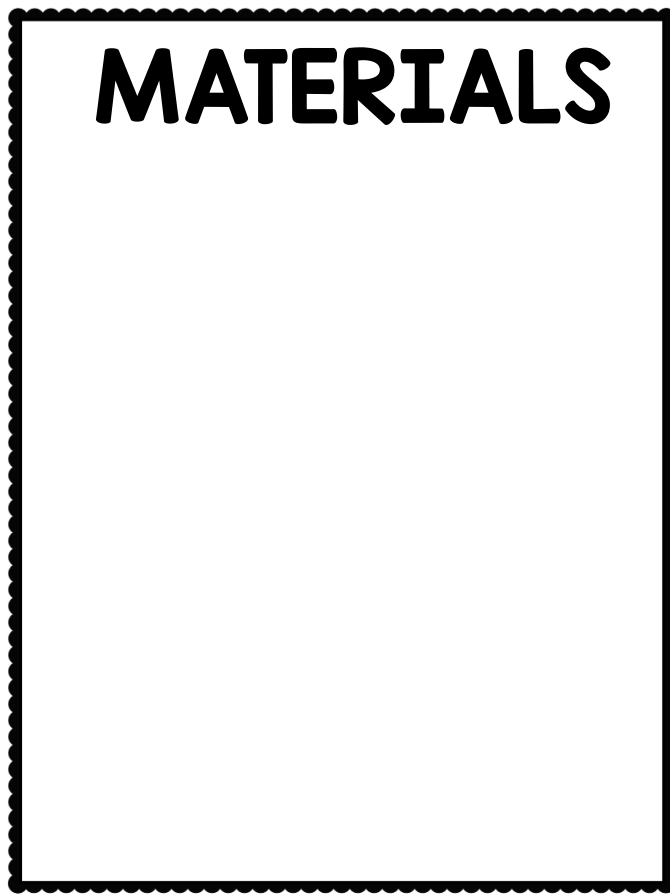
Maker Station Creation

Name: _____

Blueprint



MATERIALS

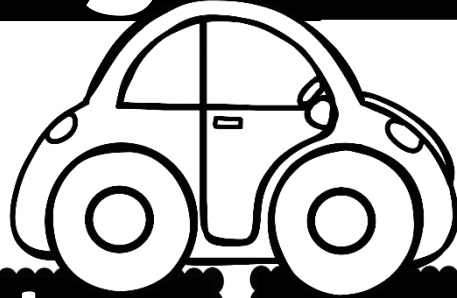


FLIGHT TESTS

TEST	How far did it fly?
1	
2	
3	

MAKER STATION

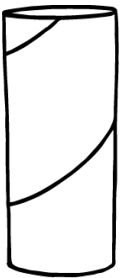
Make a rolling vehicle.



MATERIAL OPTIONS

CARDBOARD VEHICLE

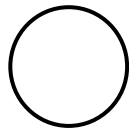
paper rolls



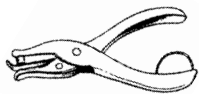
paper fasteners



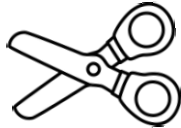
cardboard circles



hole puncher



scissors



MINI CUP VEHICLE

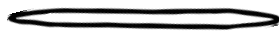
mini cups



straws



toothpicks



foam balls or playdough



tape and scissors



RESOURCES

CARDBOARD VEHICLE



MINI CUP VEHICLE

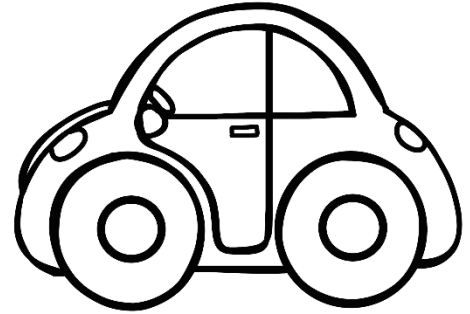
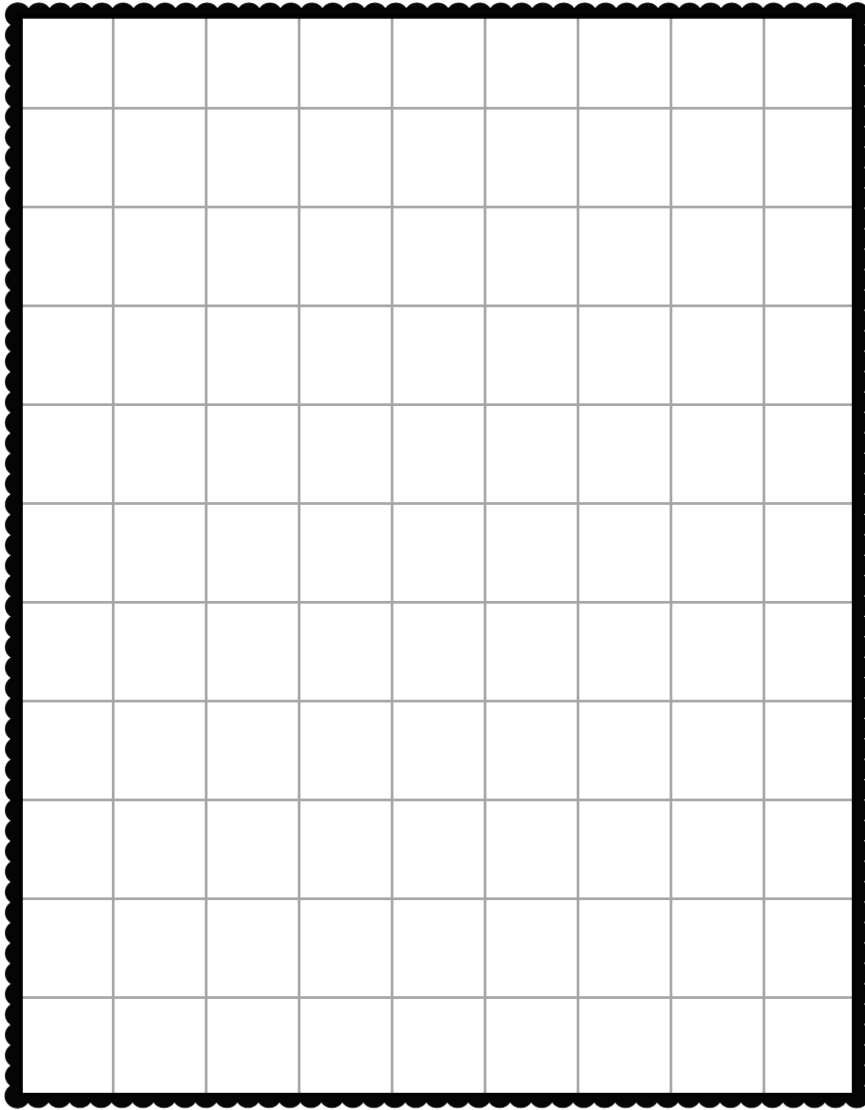


VEHICLE

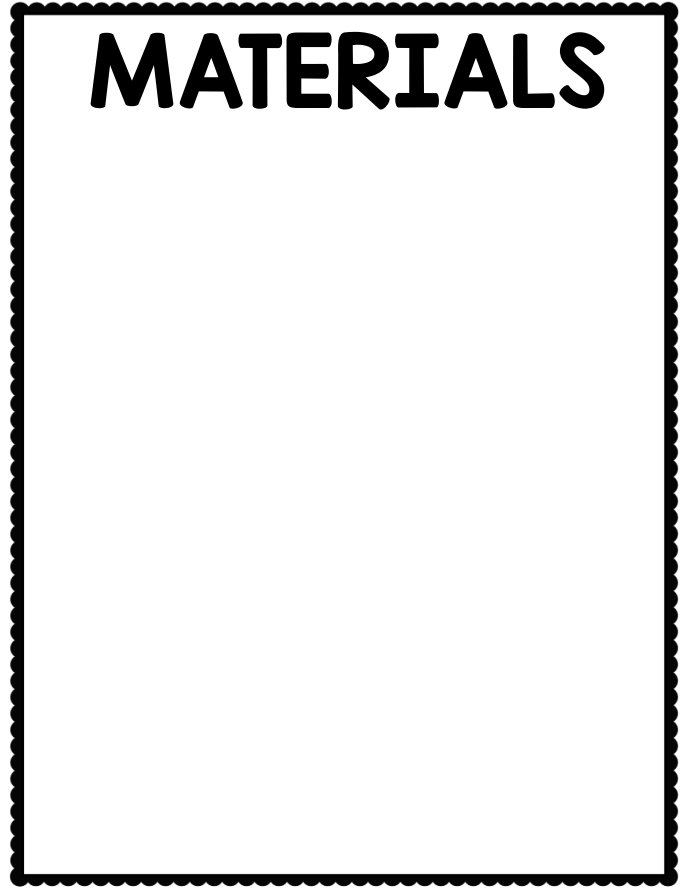
Maker Station Creation

Name: _____

Blueprint

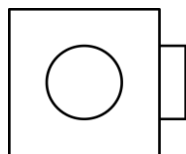


MATERIALS

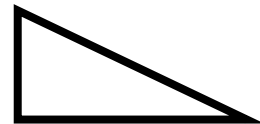


How far did your vehicle roll?

_____ cubes

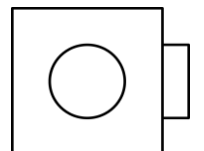


Build a ramp.



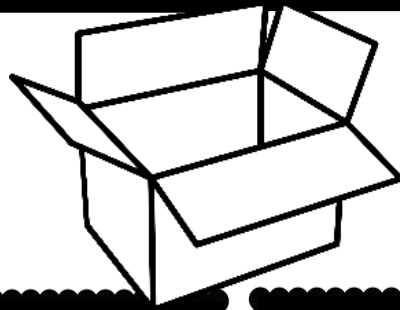
How far did your vehicle roll?

_____ cubes

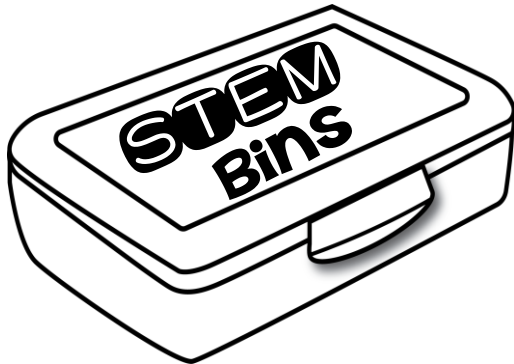


MAKER STATION

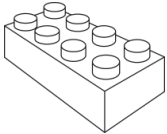
Make a box that holds pennies.



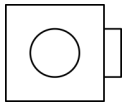
MATERIAL OPTIONS



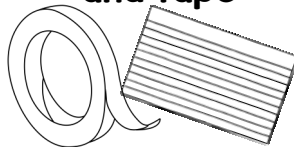
building bricks



linking cubes



index cards and tape



pennies



RESOURCES

BUILDING BRICK CONTAINER



INDEX CARD BOX

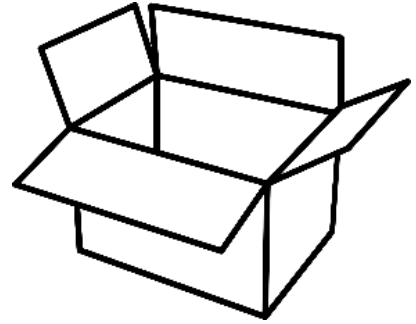
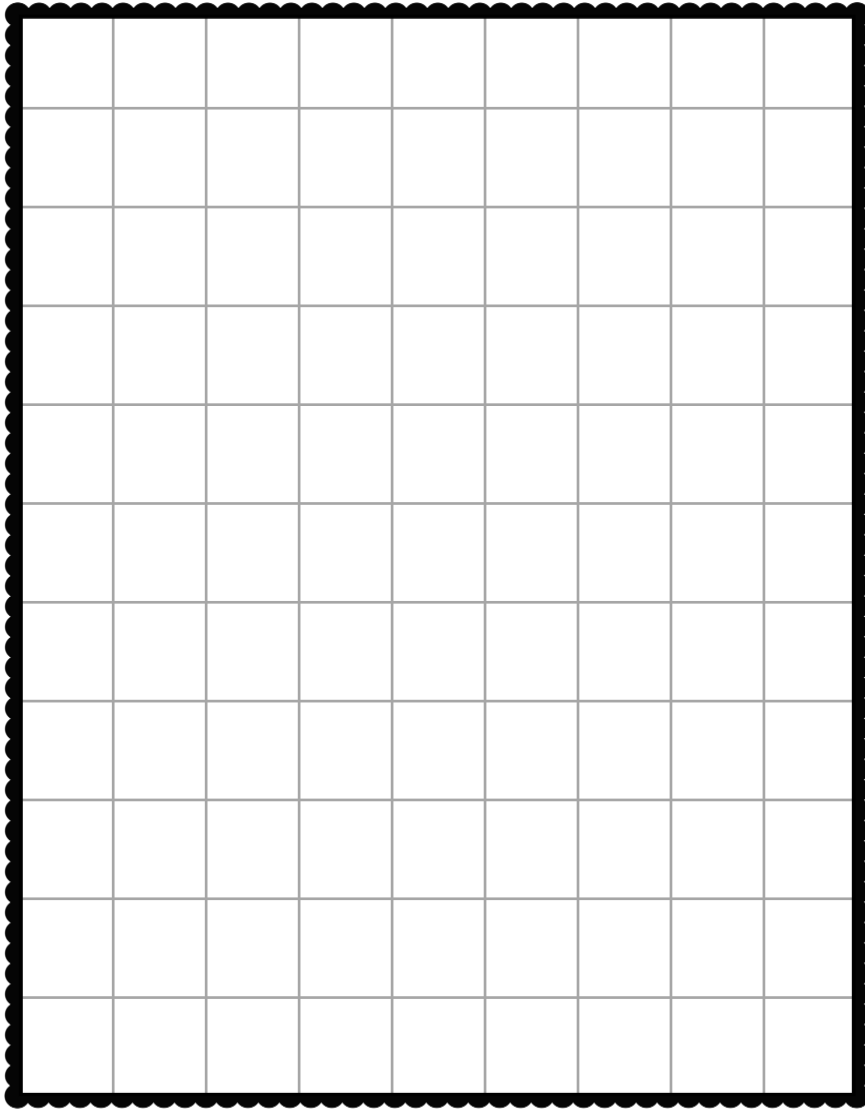


BOX

Maker Station Creation

Name: _____

Blueprint



MATERIALS

How many pennies does
your box hold?

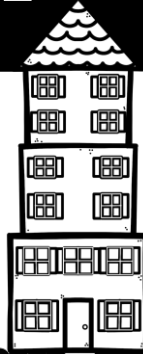
_____ pennies



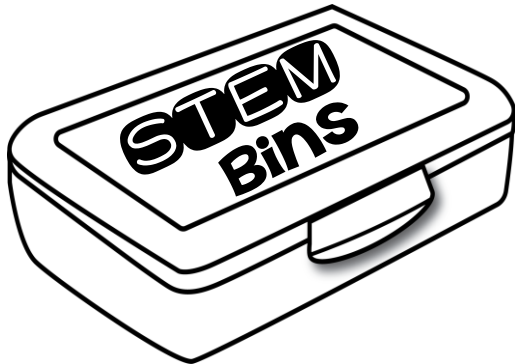
What else can your
box hold?

MAKER STATION

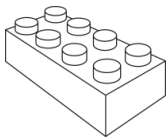
Make a tall tower.



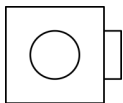
MATERIAL OPTIONS



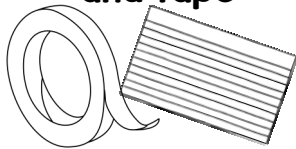
building bricks



linking cubes



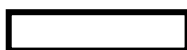
index cards and tape



mini cups



wooden planks

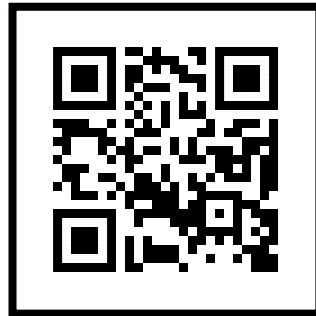


magnetic blocks



RESOURCES

STRONG TRIANGLES



TALLEST BUILDINGS IN THE WORLD



SKYSCRAPERS



CUP TOWERS

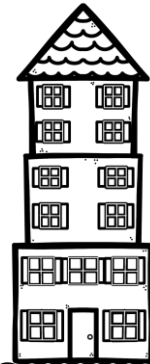
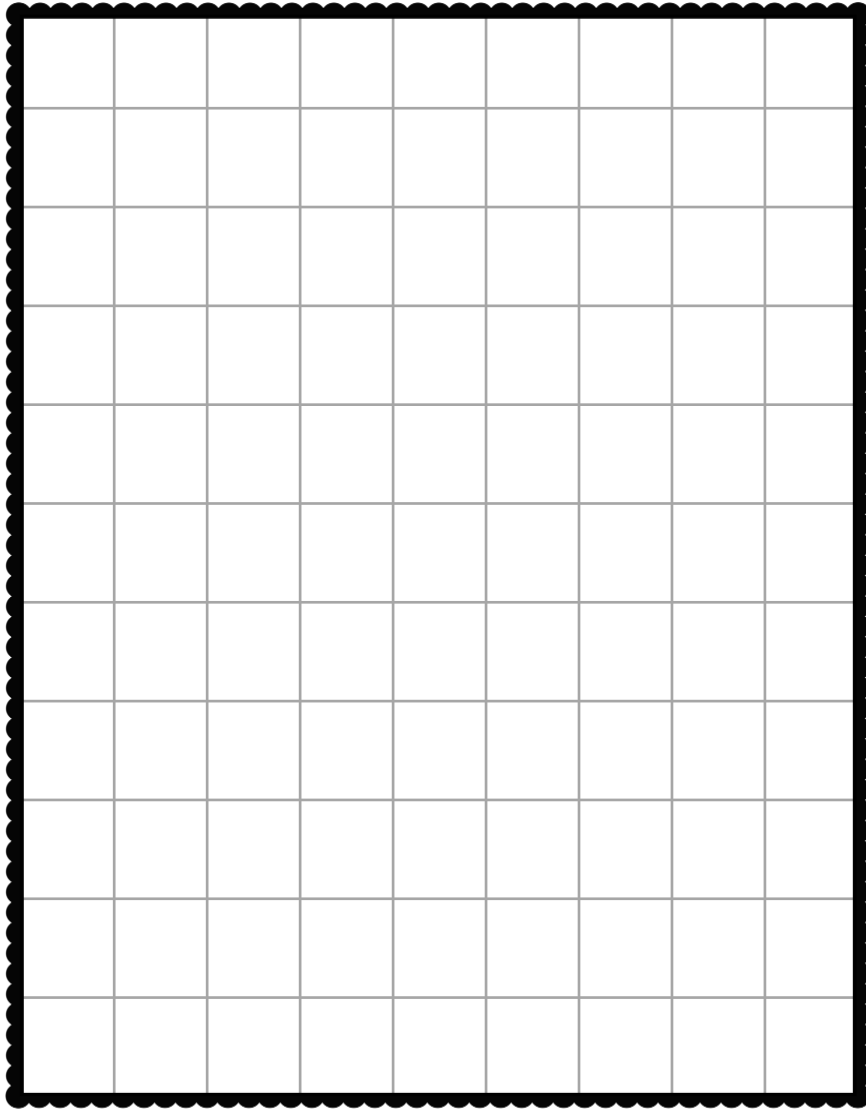


TALL TOWER

Maker Station Creation

Name: _____

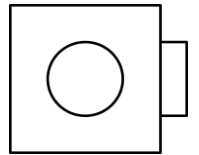
Blueprint



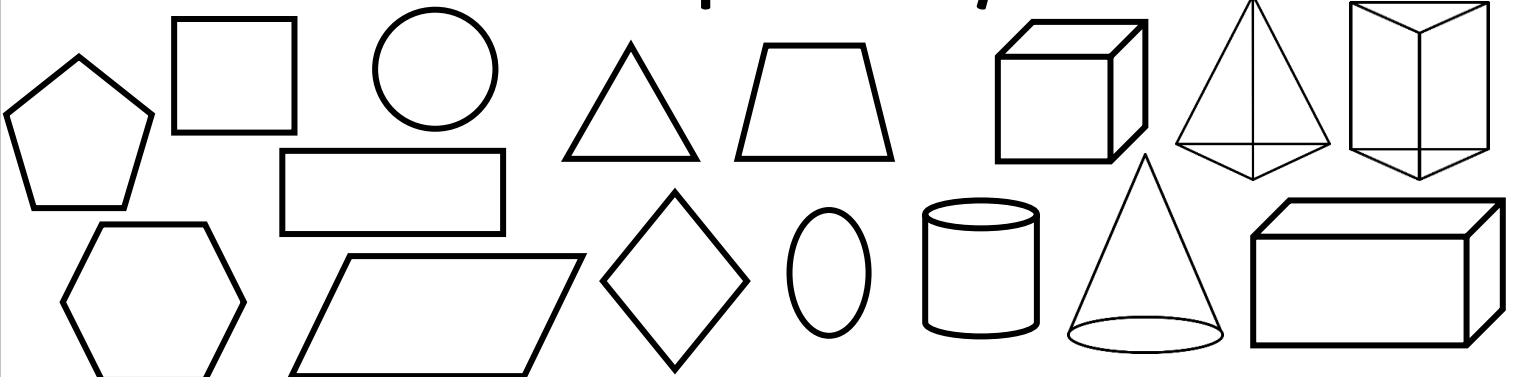
MATERIALS

How tall is your tower?

_____ cubes



Color the shapes that you used.

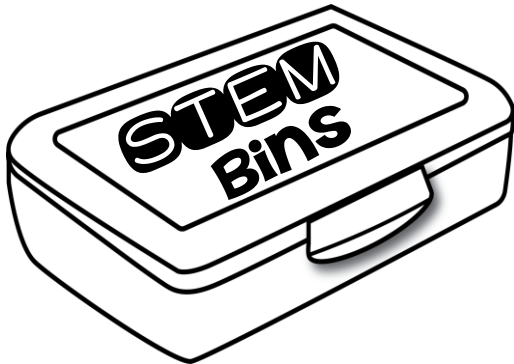


MAKER STATION

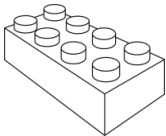
Make a bridge
that holds
pennies.



MATERIAL OPTIONS



building
bricks



wooden
planks



straws and
pipe cleaners



pennies



RESOURCES

STRONG BRIDGES



TYPES OF BRIDGES

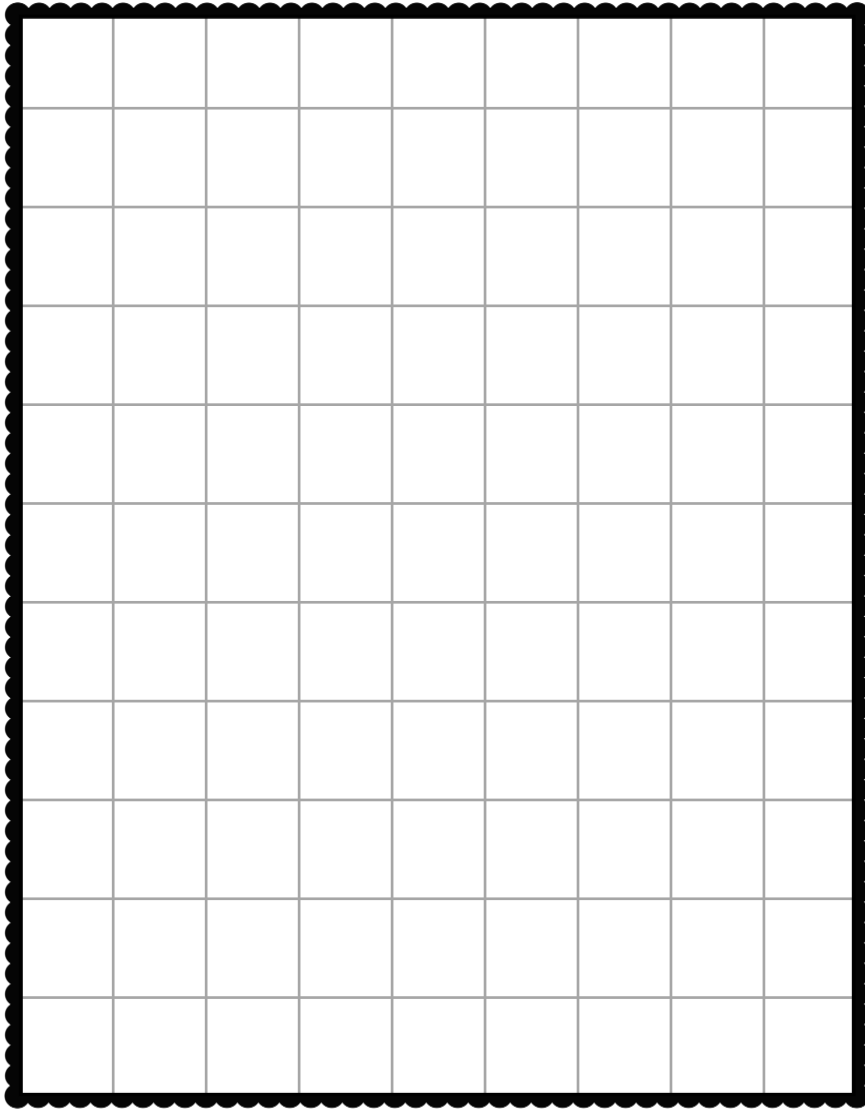


BRIDGE

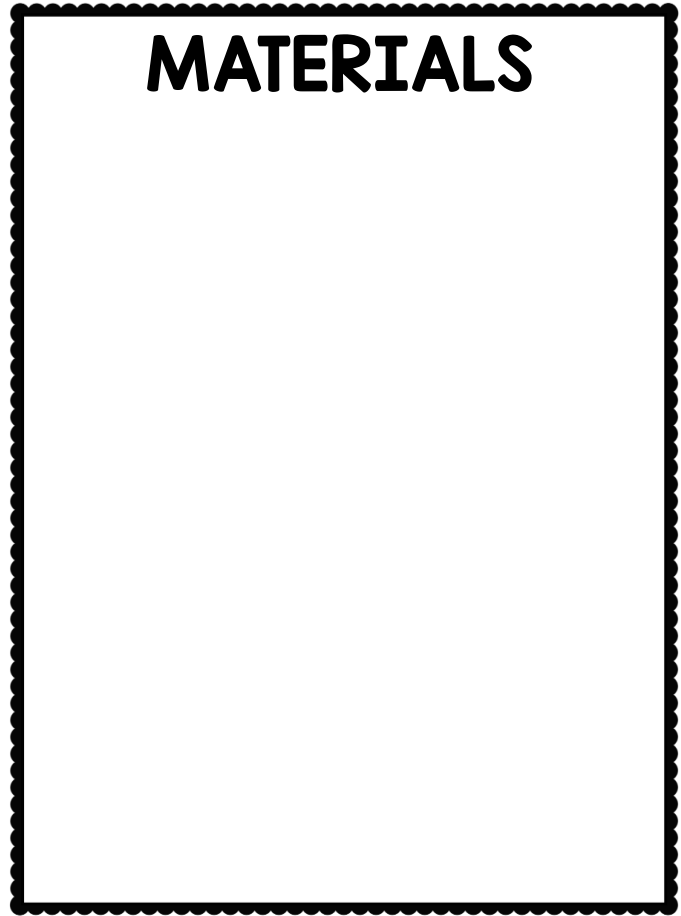
Maker Station Creation

Name: _____

Blueprint



MATERIALS



How many pennies does your bridge hold?

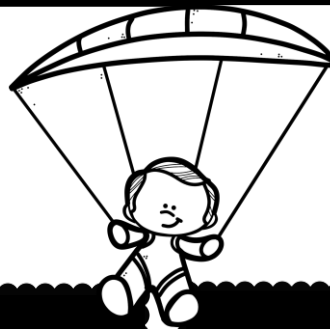
_____ pennies



What else can your bridge hold?

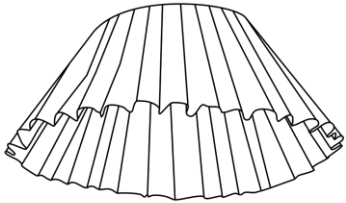
MAKER STATION

Make a parachute and basket for a mini figure.



MATERIALS

coffee filters



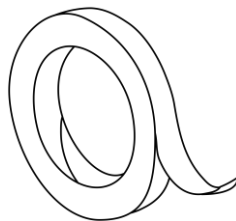
mini cups



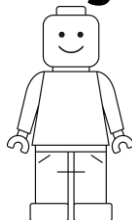
string



tape



mini figures

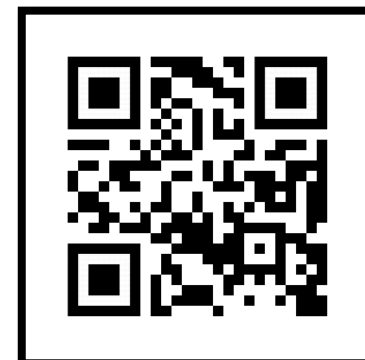


RESOURCES

HOW PARACHUTES WORK



MAKING PARACHUTES

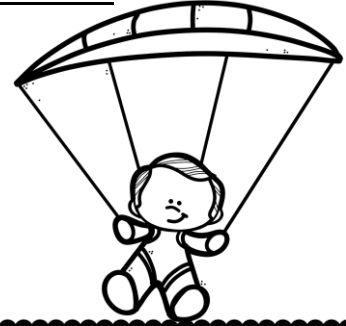


PARACHUTE

Maker Station Creation

Name: _____

Blueprint



MATERIALS

Blank space for listing materials.

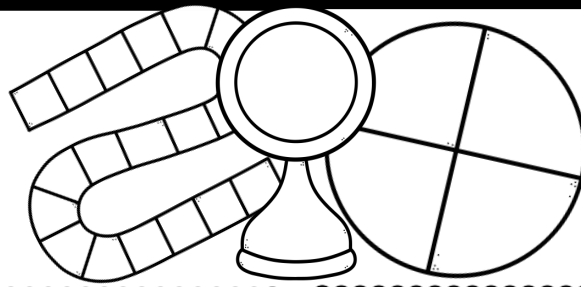
Did your mini figure land safely?

YES **NO**

What else can your basket hold?

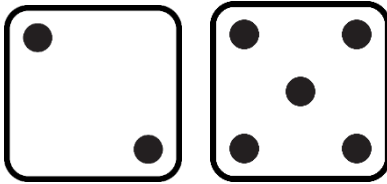
MAKER STATION

Make a board game.

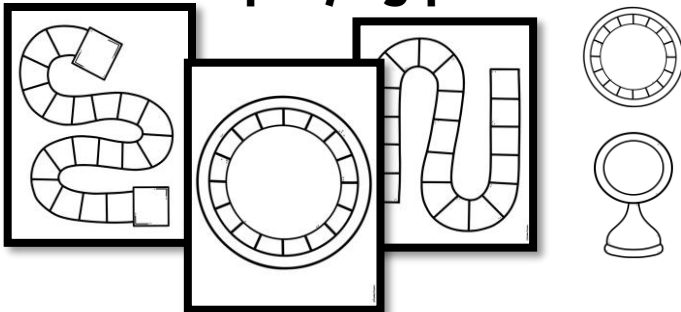


MATERIALS

dice



game boards
and playing pieces



scissors and markers

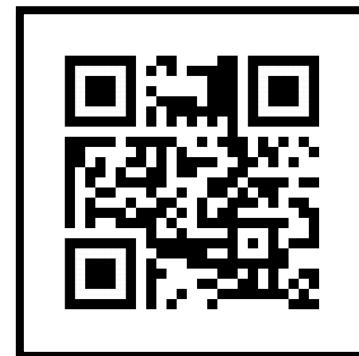


RESOURCES

BOARD GAME EXAMPLES



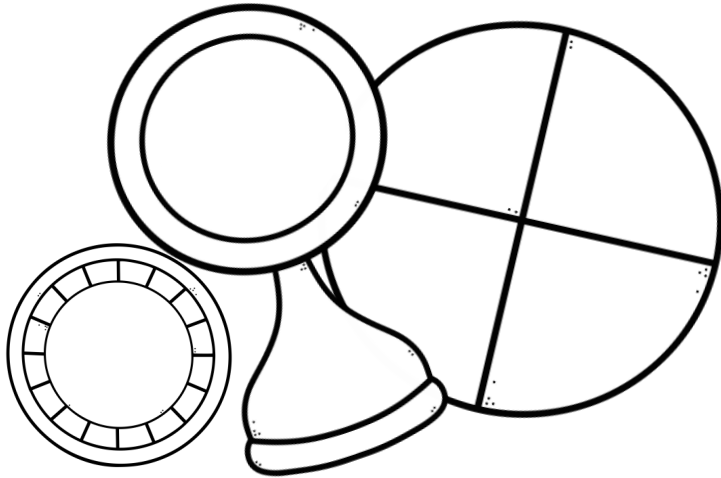
MORE BOARD GAME EXAMPLES



BOARD GAME

Maker Station Creation

Name: _____



Game Title

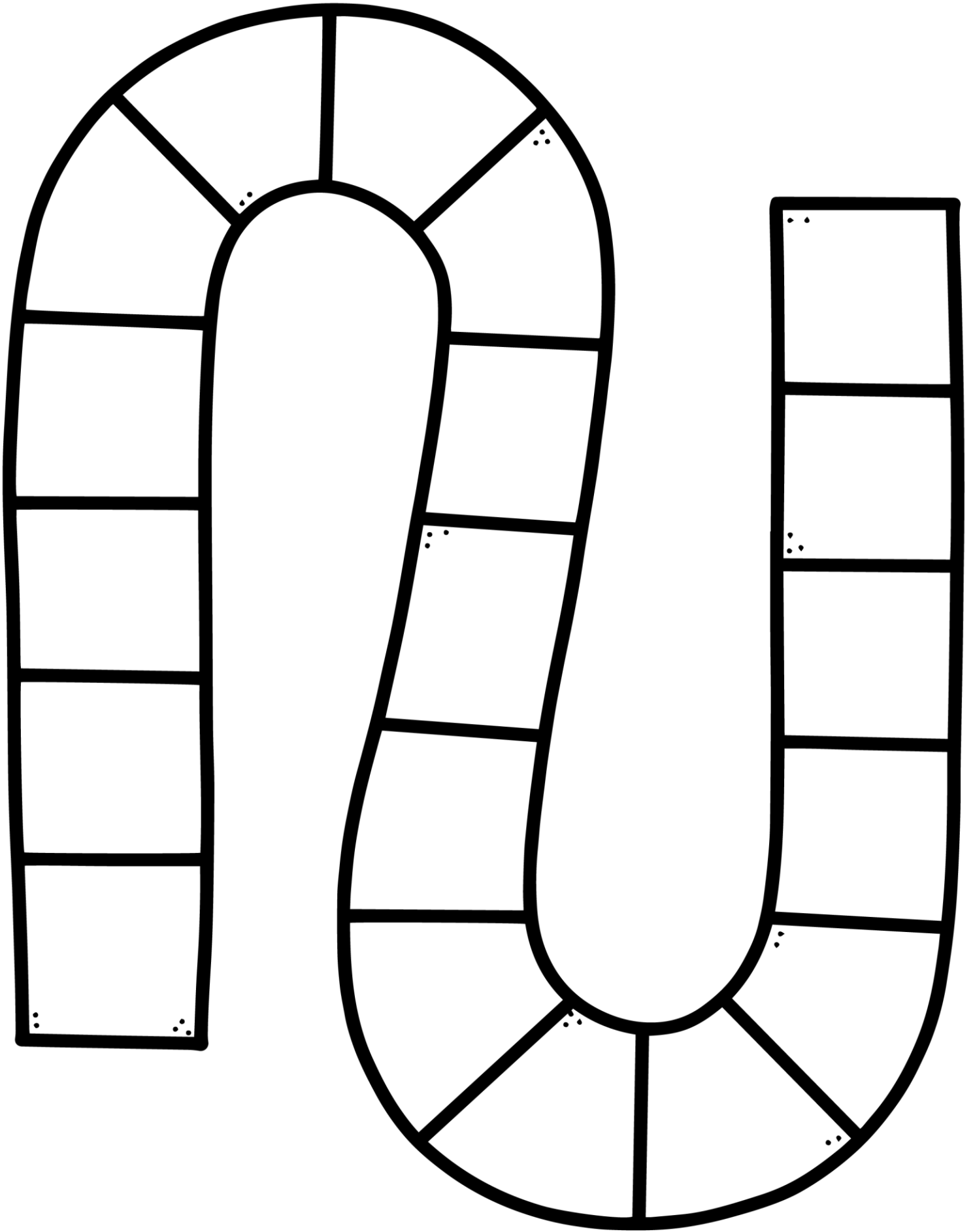
Number of Players

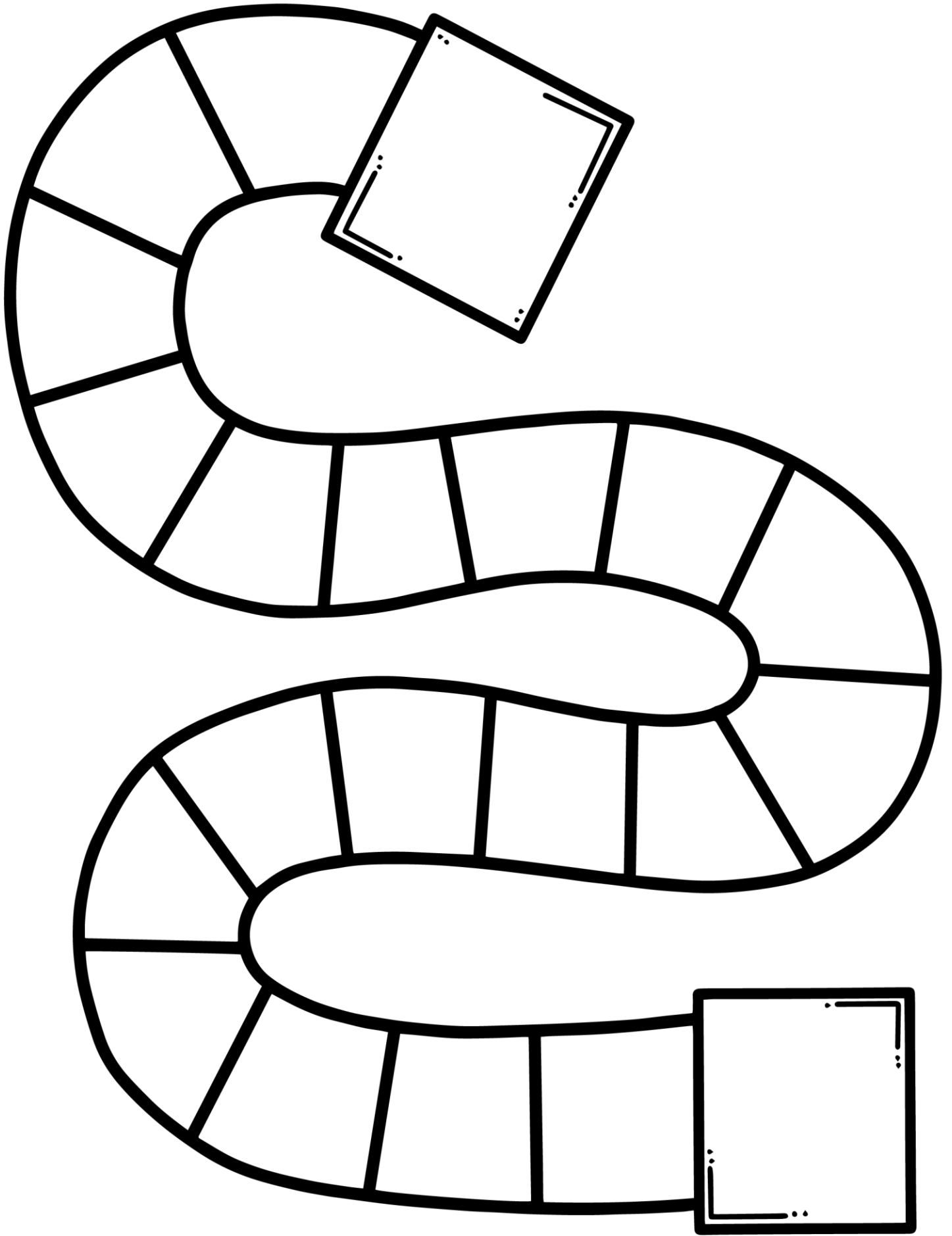
HOW TO PLAY

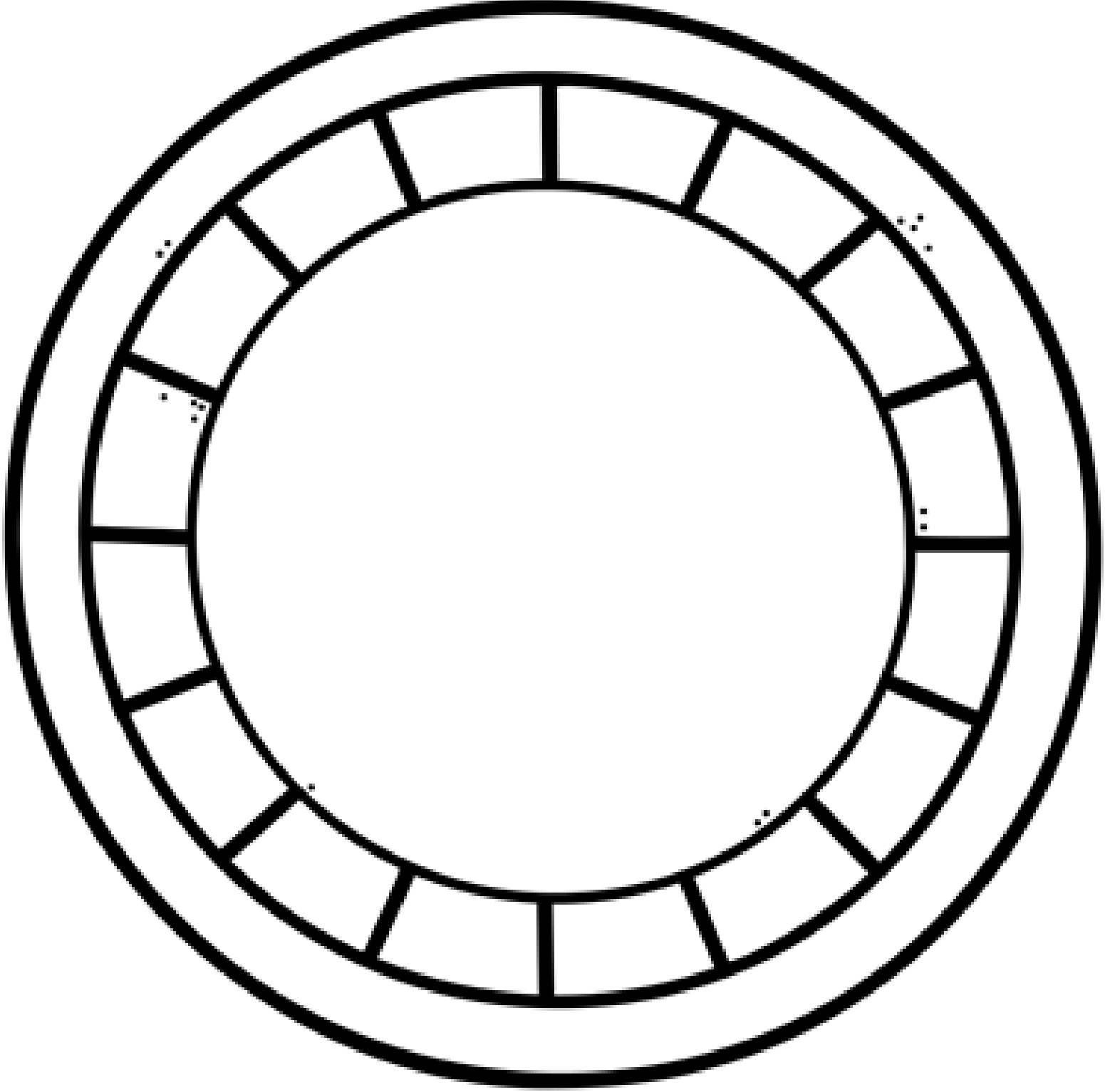
FIRST

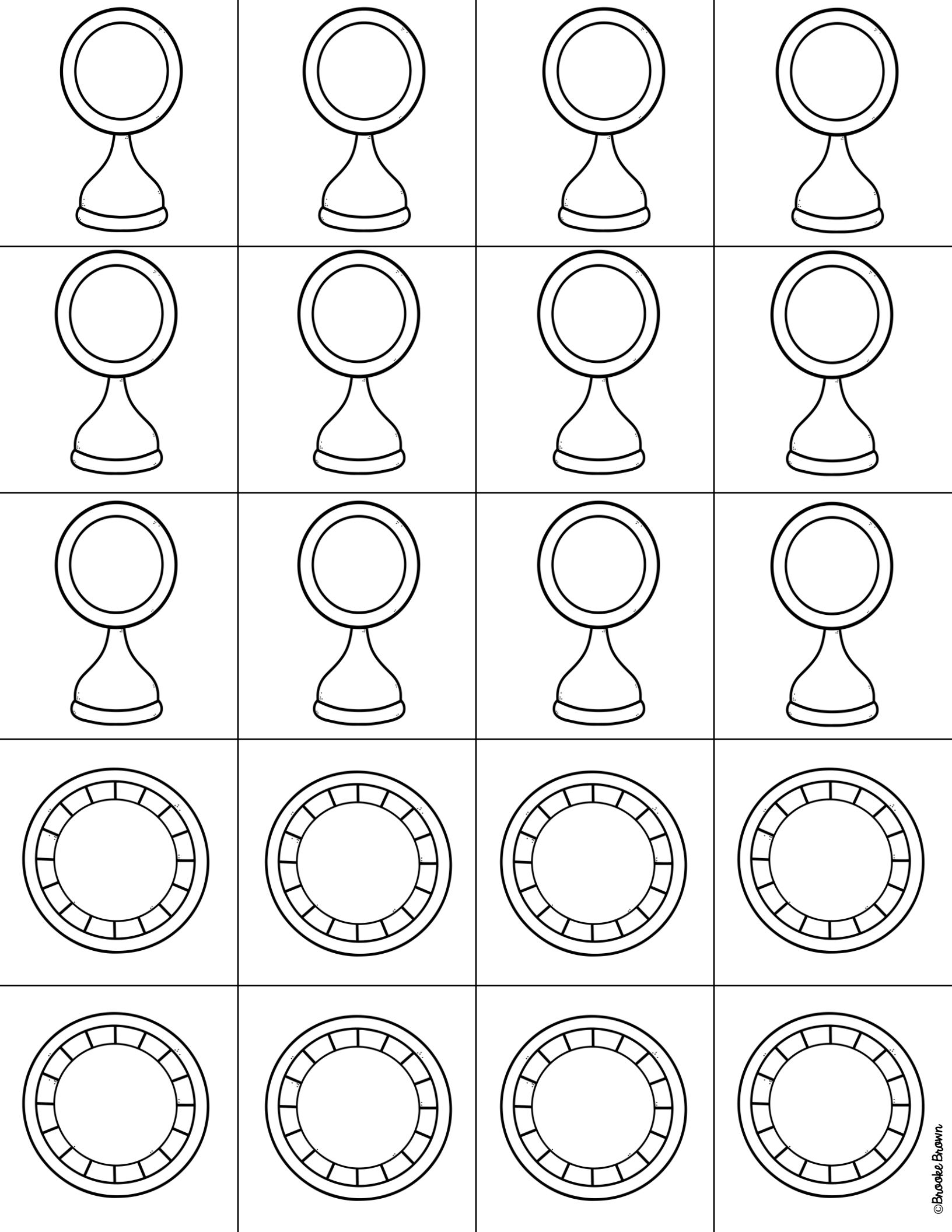
NEXT

LAST



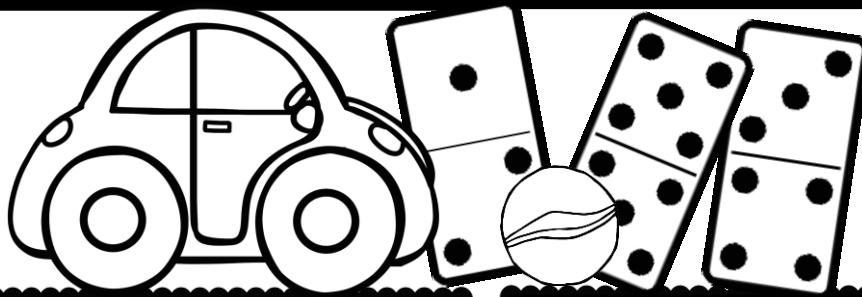




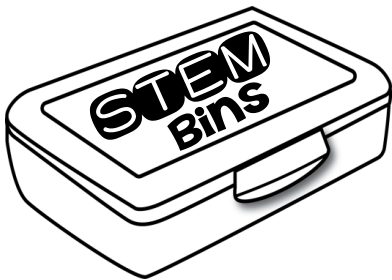


MAKER STATION

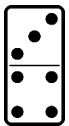
Make a
chain reaction.



MATERIAL OPTIONS



dominoes



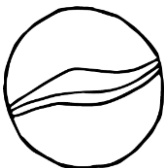
wooden
planks



mini cups



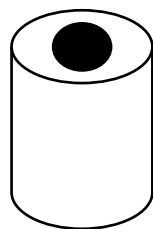
marbles



toy cars



spools



RESOURCES

MAKE A MACHINE



RUBE GOLDBERG INVENTIONS



CHAIN REACTION



Maker Station Creation



Name: _____

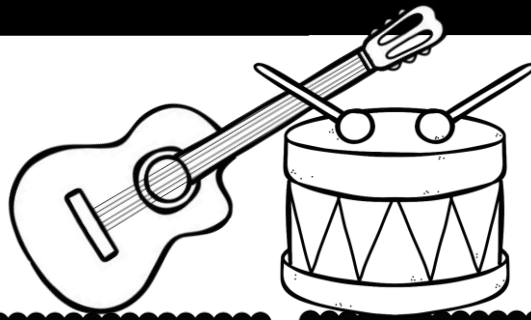
Draw your chain reaction in order.

1	2
3	4



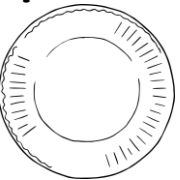

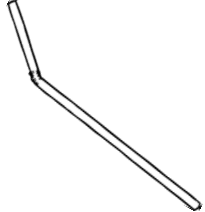
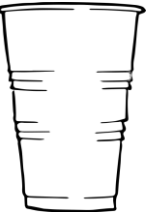

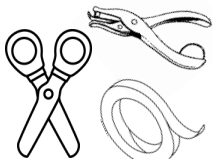
The form is a large rectangle with a scalloped border, divided into four quadrants by a vertical and a horizontal line. The quadrants are labeled 1, 2, 3, and 4. Arrows indicate a sequence: a horizontal arrow from 1 to 2, a diagonal arrow from 2 to 3, and a horizontal arrow from 3 to 4.

MAKER STATION

Make a musical instrument.



MATERIAL OPTIONS

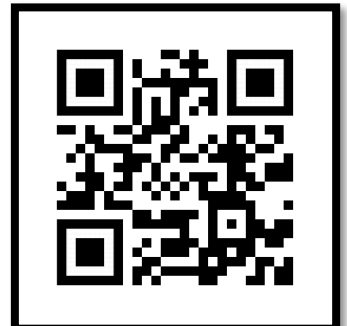
empty tissue boxes 	paper rolls 	paper 
paper plates 	rubber bands 	straws 
cups 	dry beans or rice 	hole puncher, scissors, and tape 

RESOURCES

STRING INSTRUMENTS



PERCUSSION INSTRUMENTS



HOW-TO VIDEO PLAYLIST

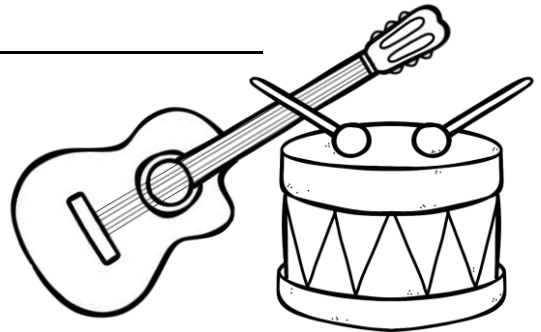
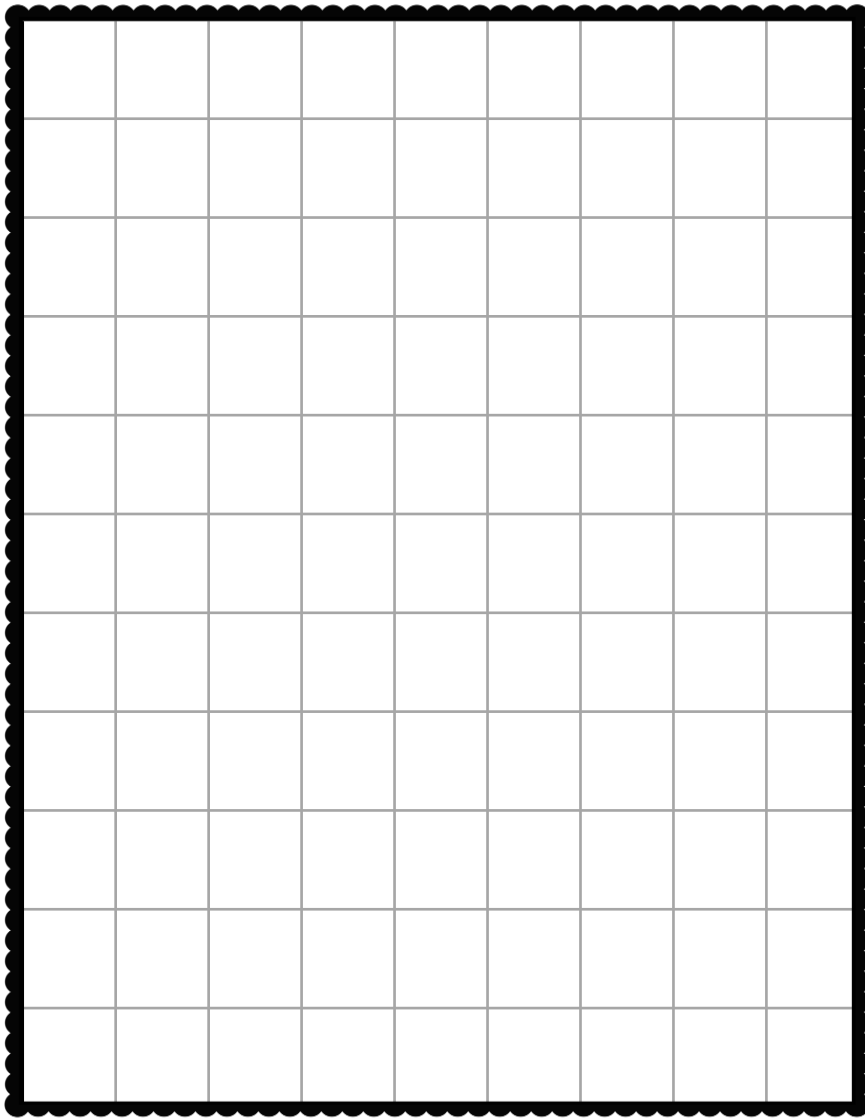


MUSICAL INSTRUMENT

Maker Station Creation

Name: _____

Blueprint



Type of Instrument:

MATERIALS

How does your instrument make sound?

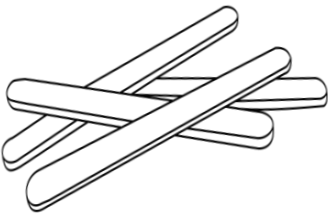
MAKER STATION

Make a catapult
to launch a
pom pom.

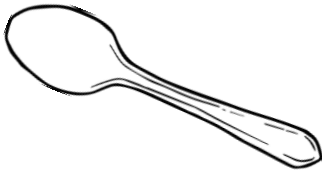


MATERIAL OPTIONS

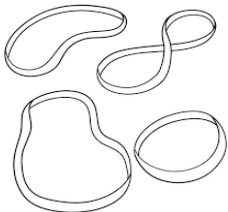
popsicle
sticks



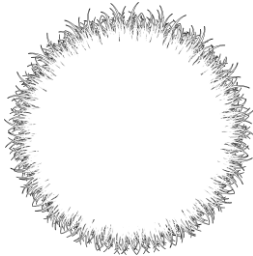
plastic
spoons



rubber
bands



pom poms



meter stick



RESOURCES

SPOON CATAPULT



POPSICLE STICK CATAPULTS



CATAPULT

Maker Station Creation

Name: _____

Blueprint



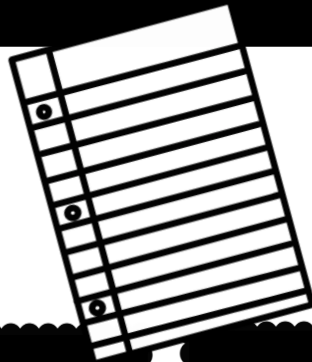
Type of Catapult: _____

MATERIALS

LAUNCH TESTS	TEST	How far did your pom pom go?
	1	
	2	
	3	

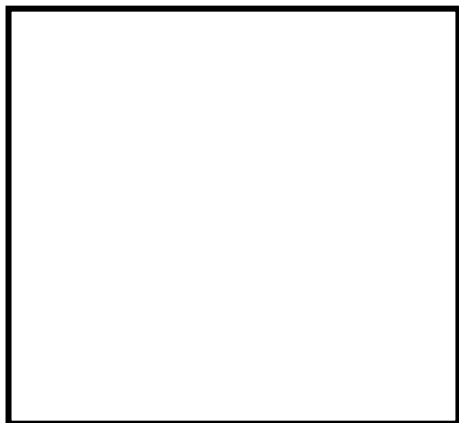
MAKER STATION

Make an origami creation.



MATERIALS

square paper



RESOURCES

DOG



HEART



BOX



HOUSE

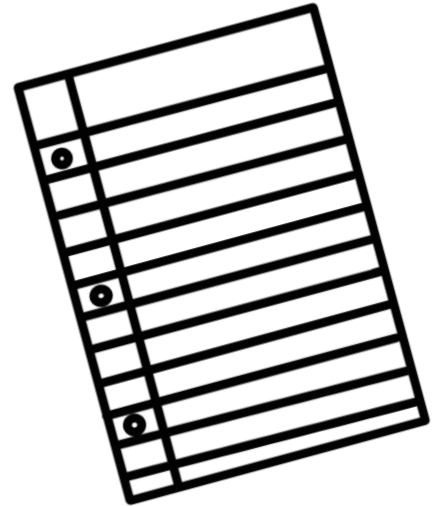
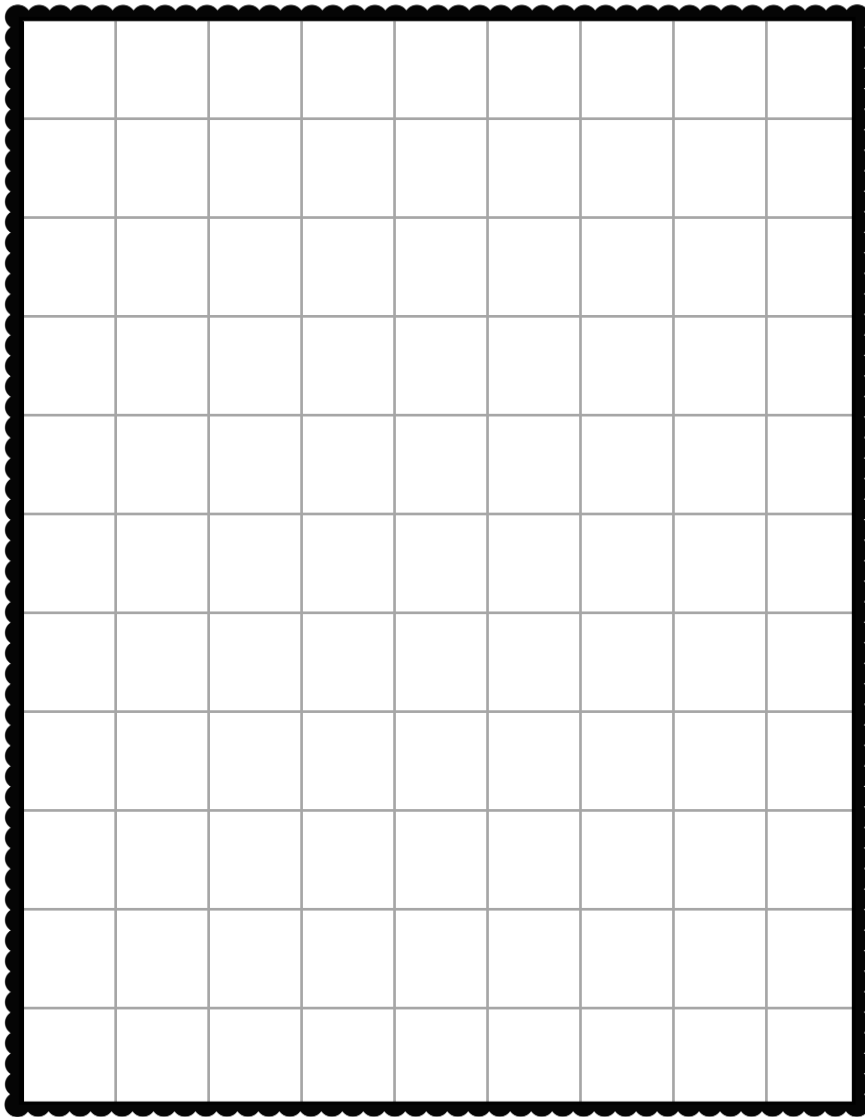


ORIGAMI

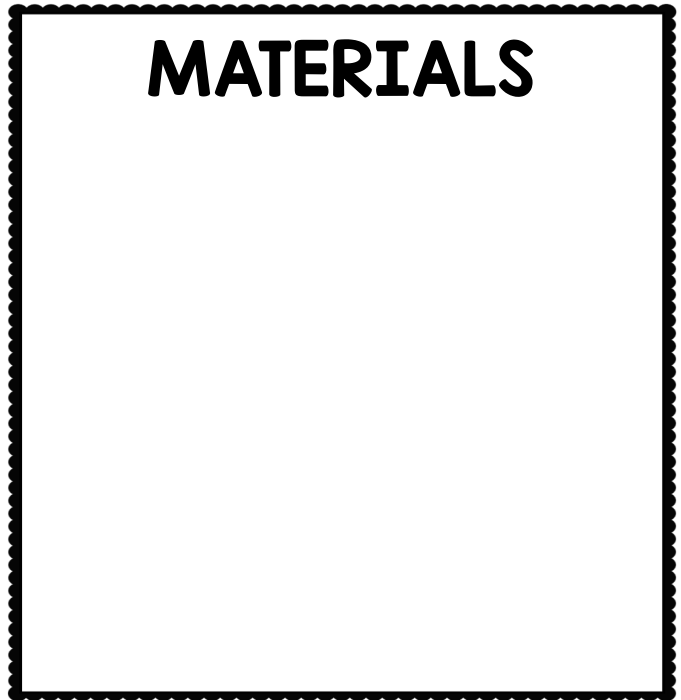
Maker Station Creation

Name: _____

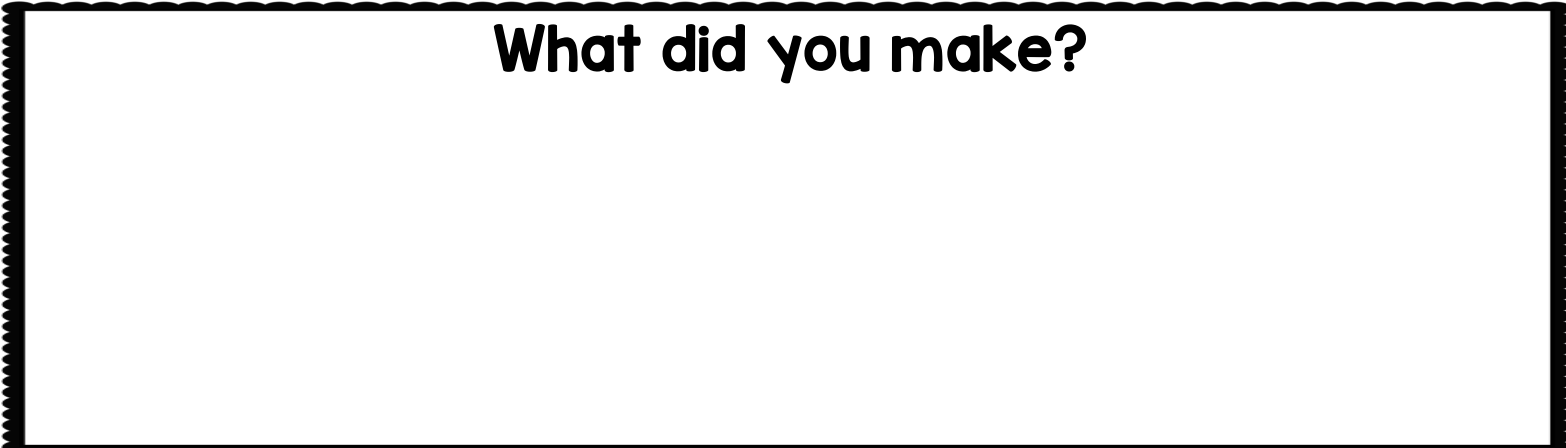
Blueprint



MATERIALS

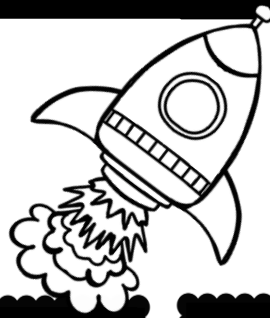


What did you make?



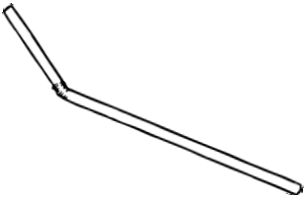
MAKER STATION

Make a straw rocket.



MATERIAL OPTIONS

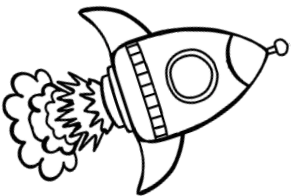
straws



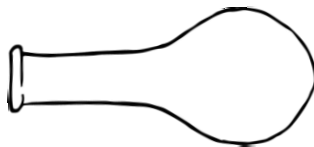
paper scraps



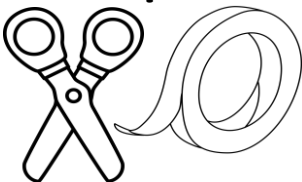
paper rockets



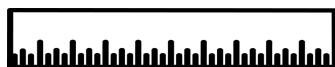
balloons



scissors and
tape



meter stick

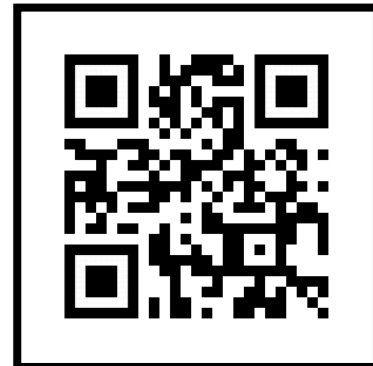


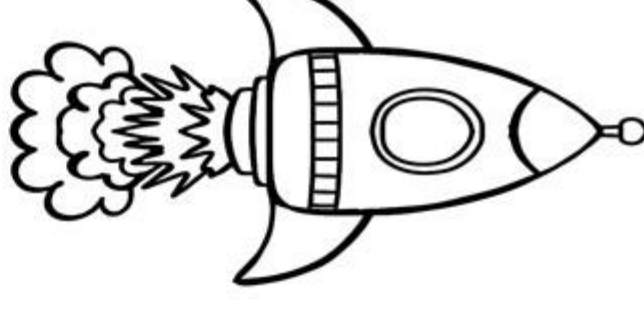
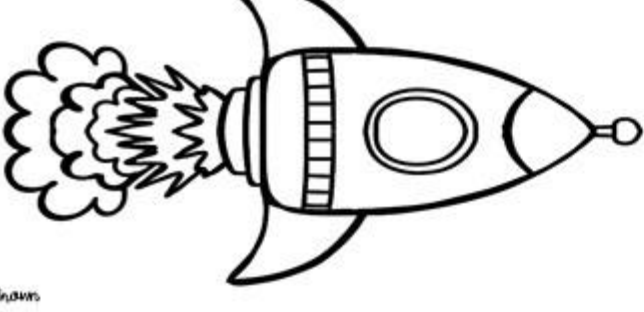
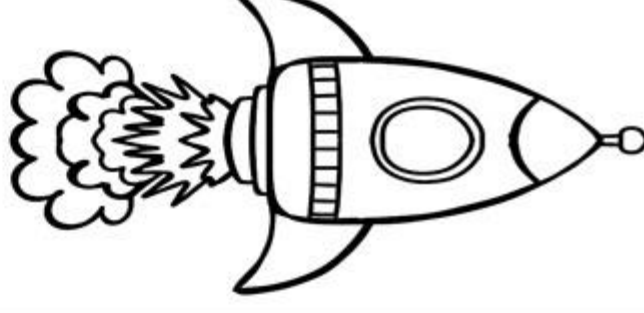
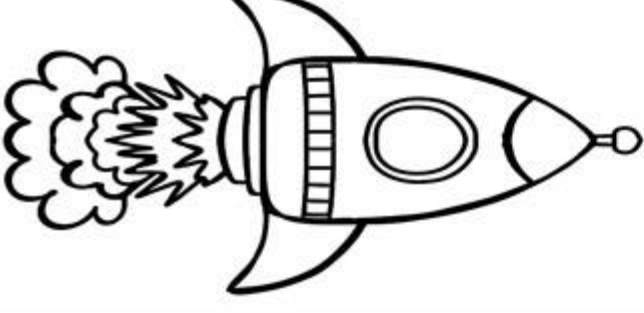
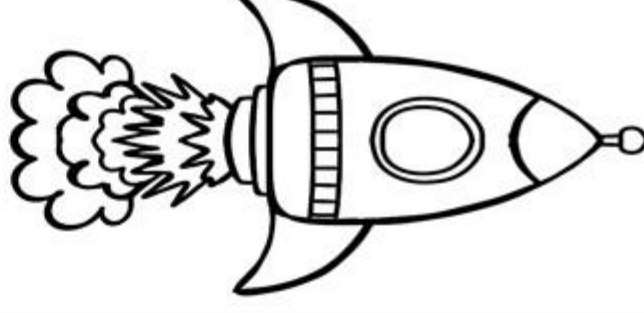
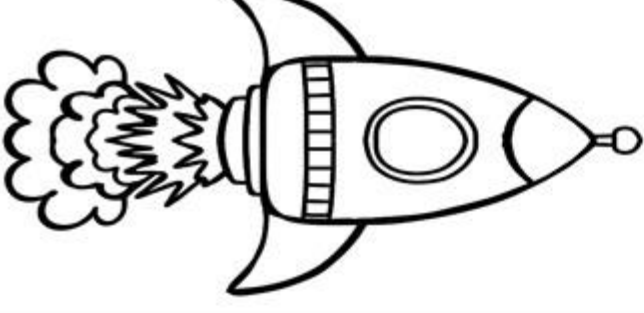
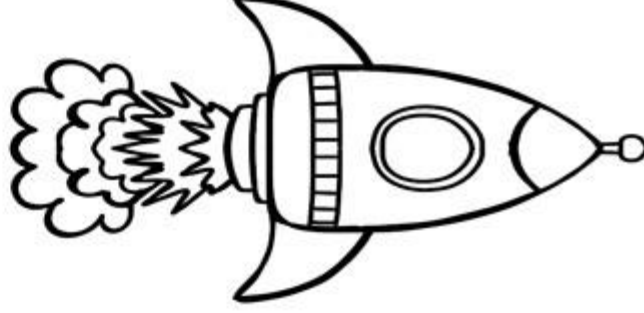
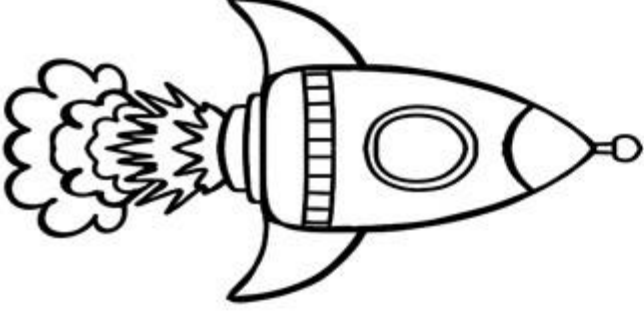
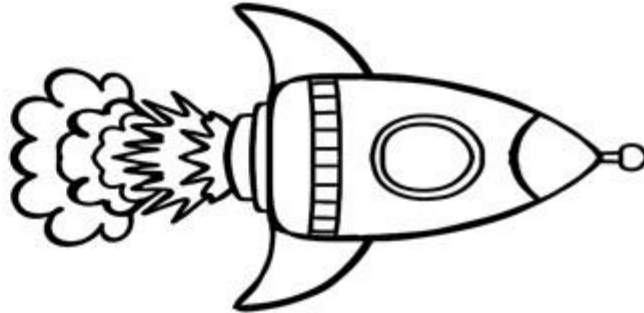
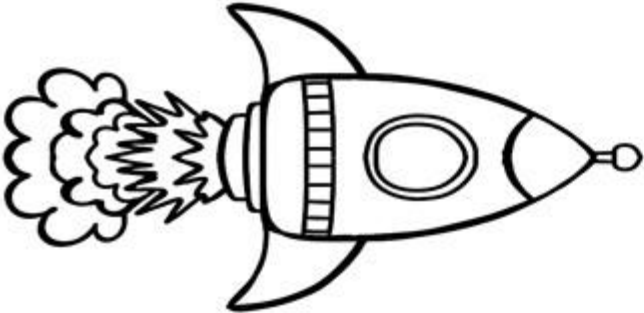
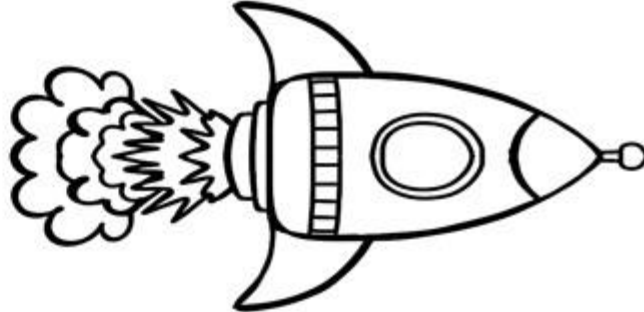
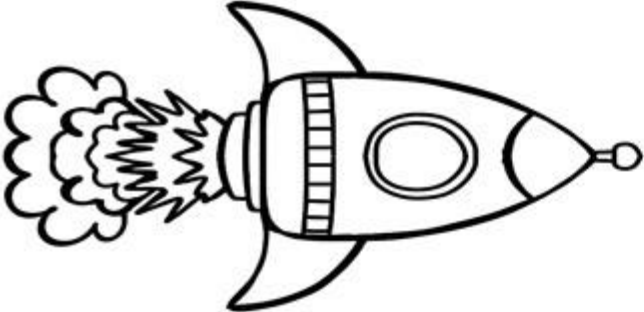
RESOURCES

PAPER STRAW ROCKETS



BALLOON STRAW ROCKETS



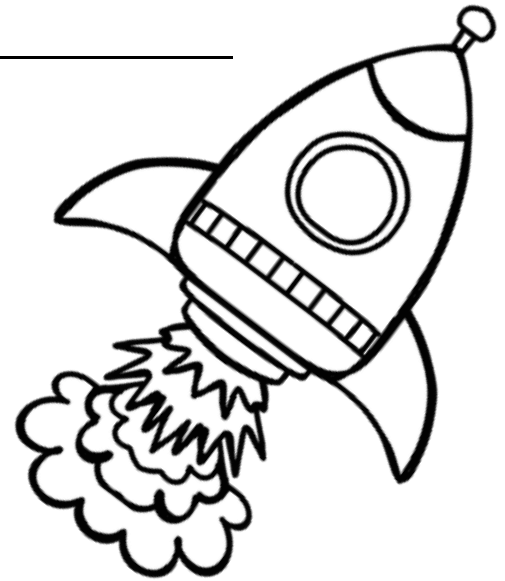
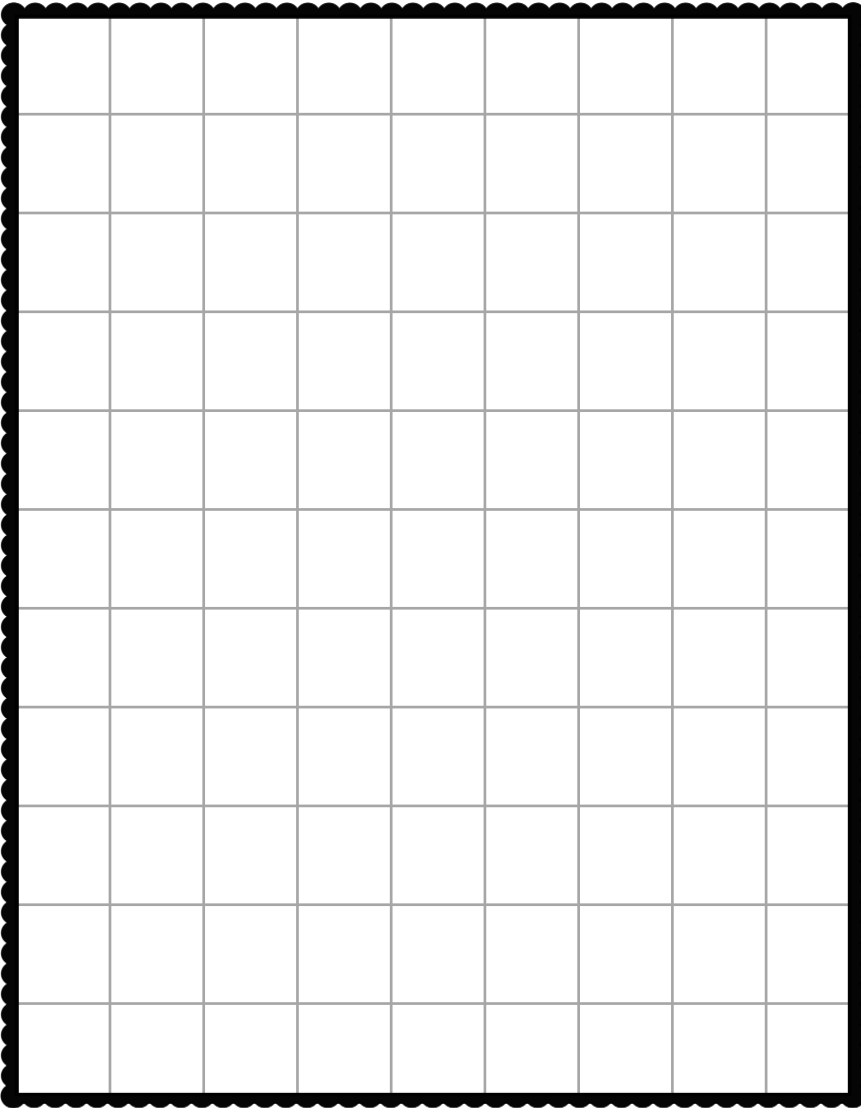


STRAW ROCKET

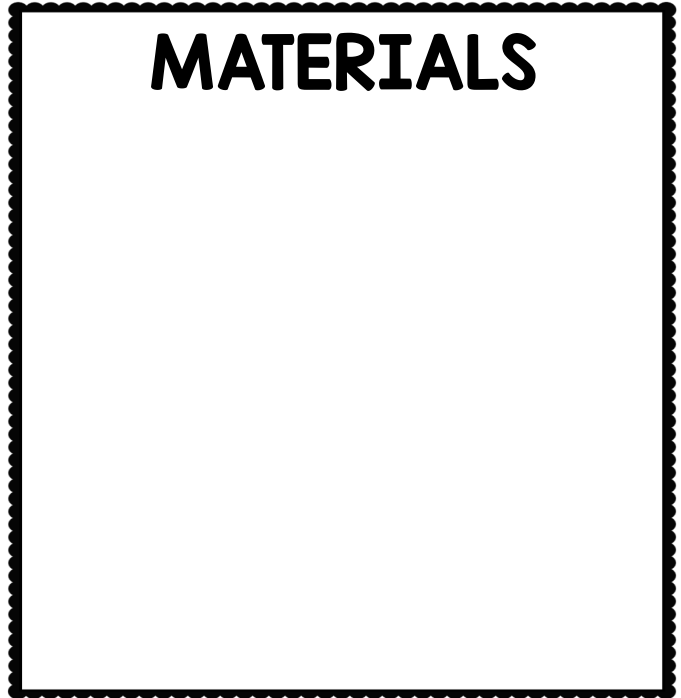
Maker Station Creation

Name: _____

Blueprint



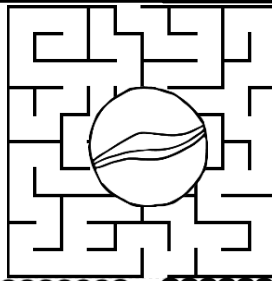
MATERIALS



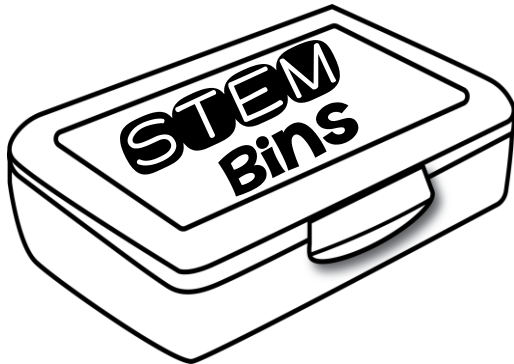
TEST	How far did it fly?
1	
2	
3	

MAKER STATION

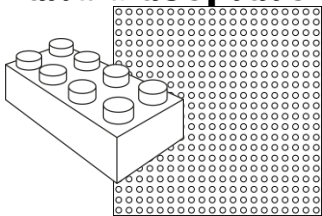
Make a marble maze.



MATERIAL OPTIONS



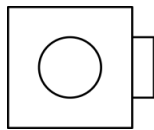
building bricks and baseplate



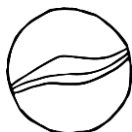
wooden planks



linking cubes



marbles



RESOURCES

BUILDING BRICK MAZE



MAZE MAKER

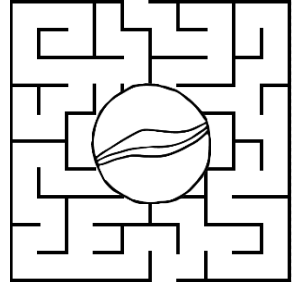
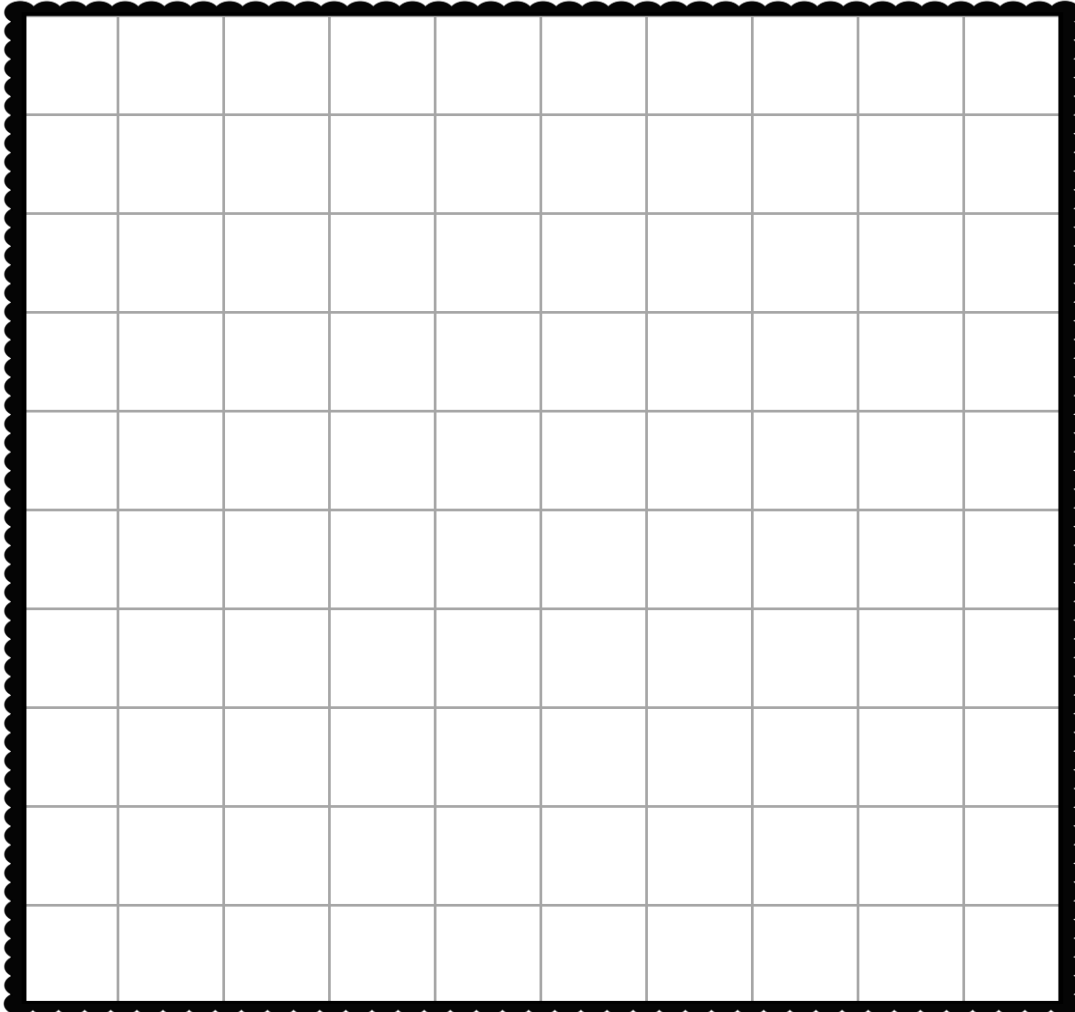


MARBLE MAZE

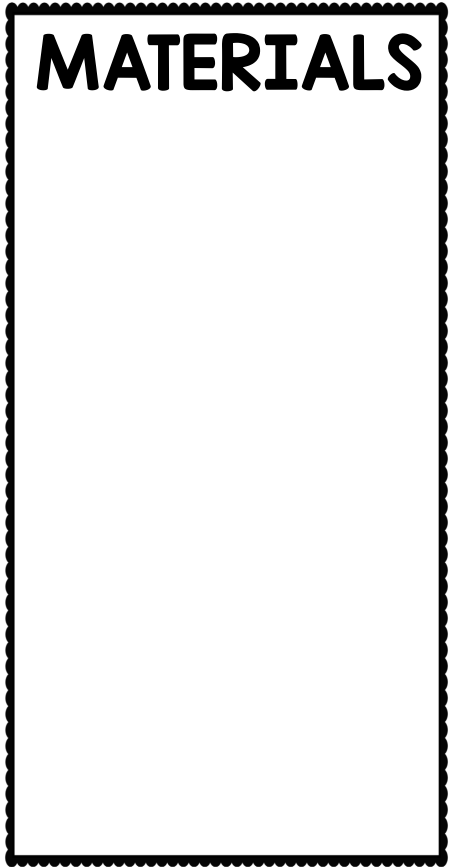
Maker Station Creation

Name: _____

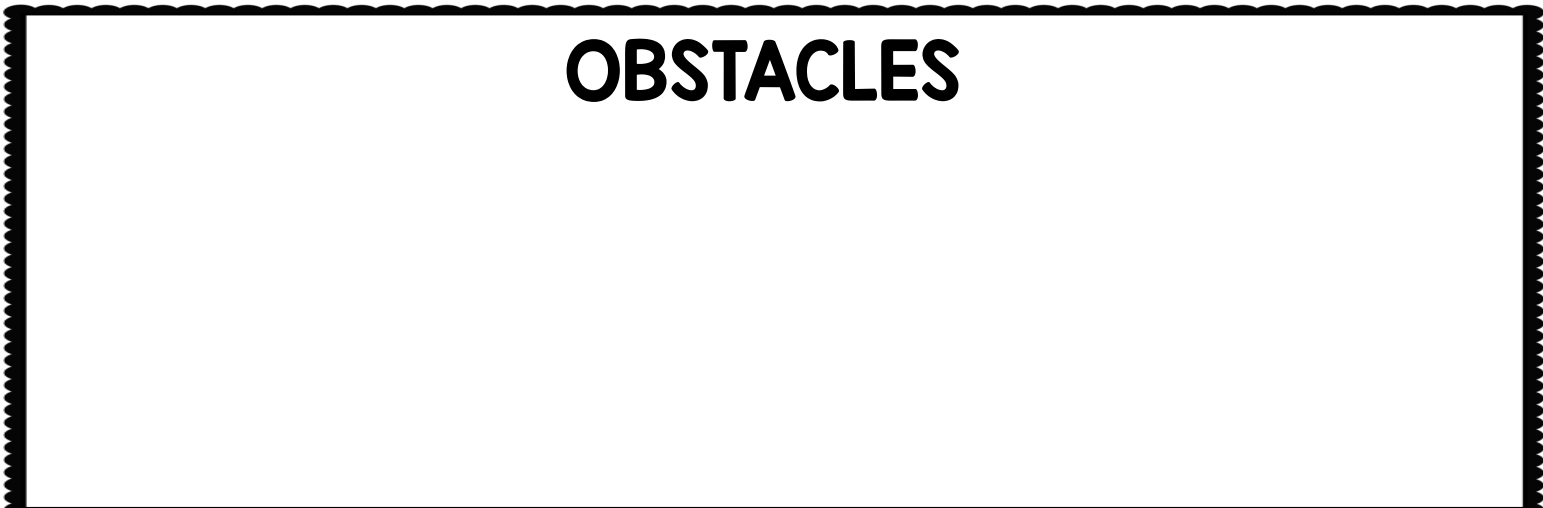
Blueprint



MATERIALS



OBSTACLES



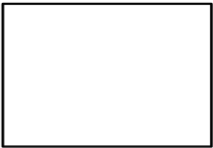
MAKER STATION

Make something
useful
out of trash.

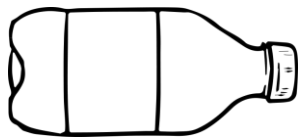


MATERIAL OPTIONS

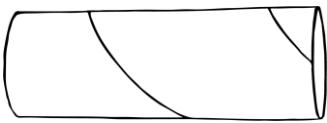
paper



plastic bottles



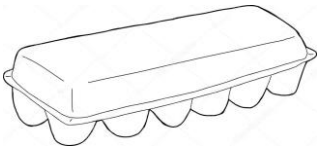
paper rolls



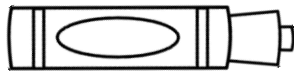
bottle caps



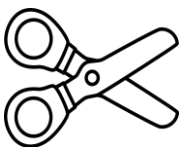
egg cartons



markers



scissors



tape



RESOURCES

PAPER ROLL CREATIONS



PLASTIC BOTTLE CREATIONS



TRASH TO TREASURE

Maker Station Creation

Name: _____

Blueprint



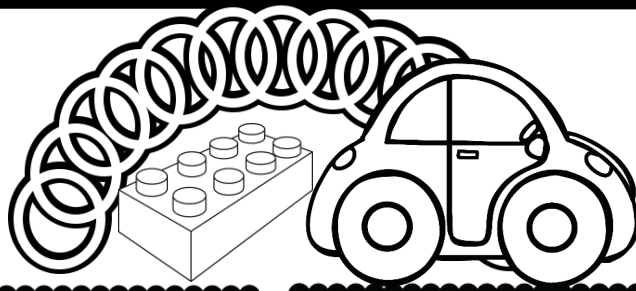
What I Made:

MATERIALS

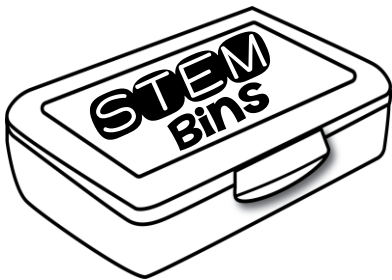
HOW IT IS USEFUL

MAKER STATION

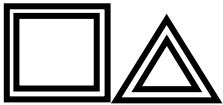
Make a toy.



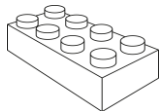
MATERIAL OPTIONS



magnetic blocks



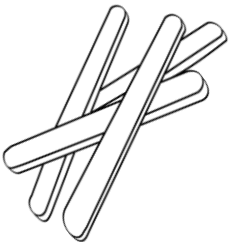
building bricks



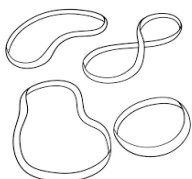
pipe cleaners



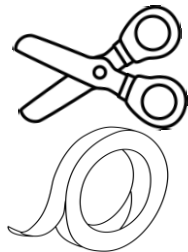
popsicle sticks



rubber bands



scissors and tape



RESOURCES

DIY TOYS



TOP 100 TOYS

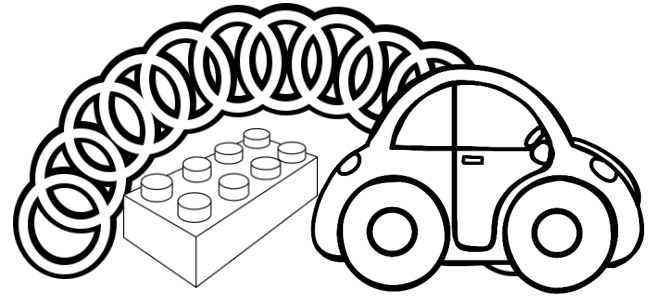
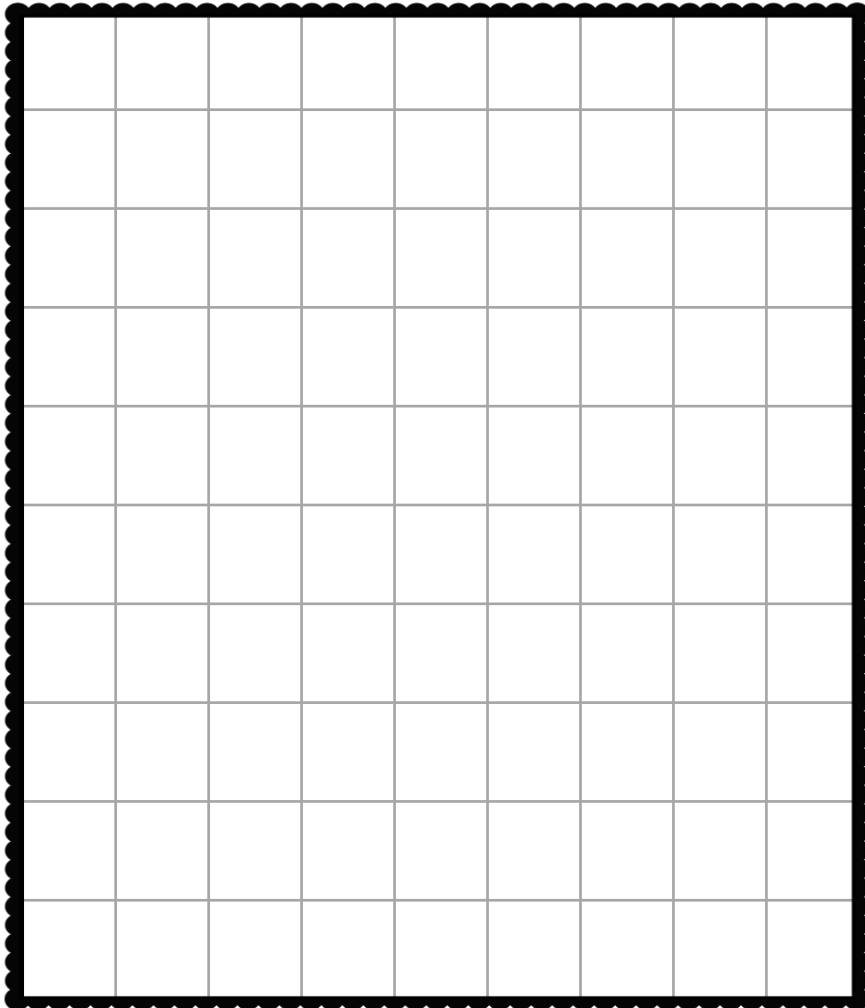


TOY

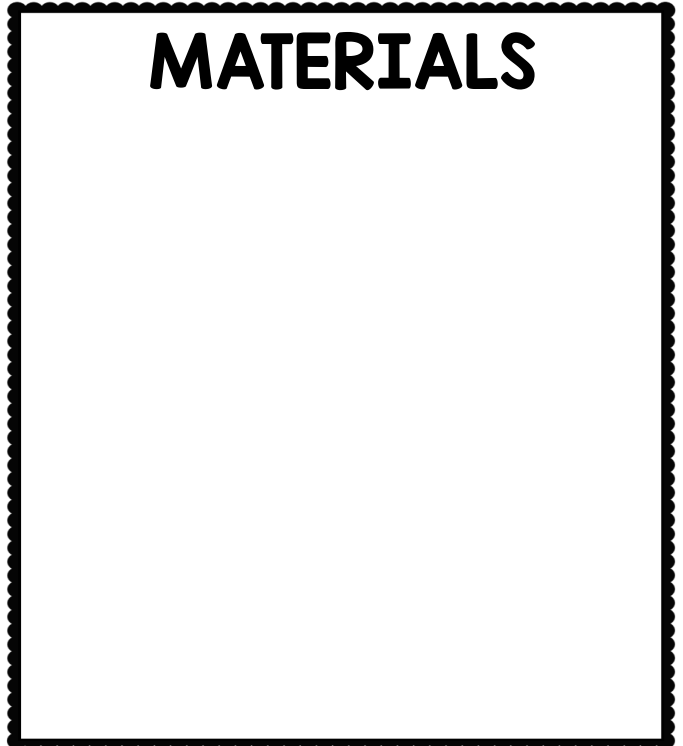
Maker Station Creation

Name: _____

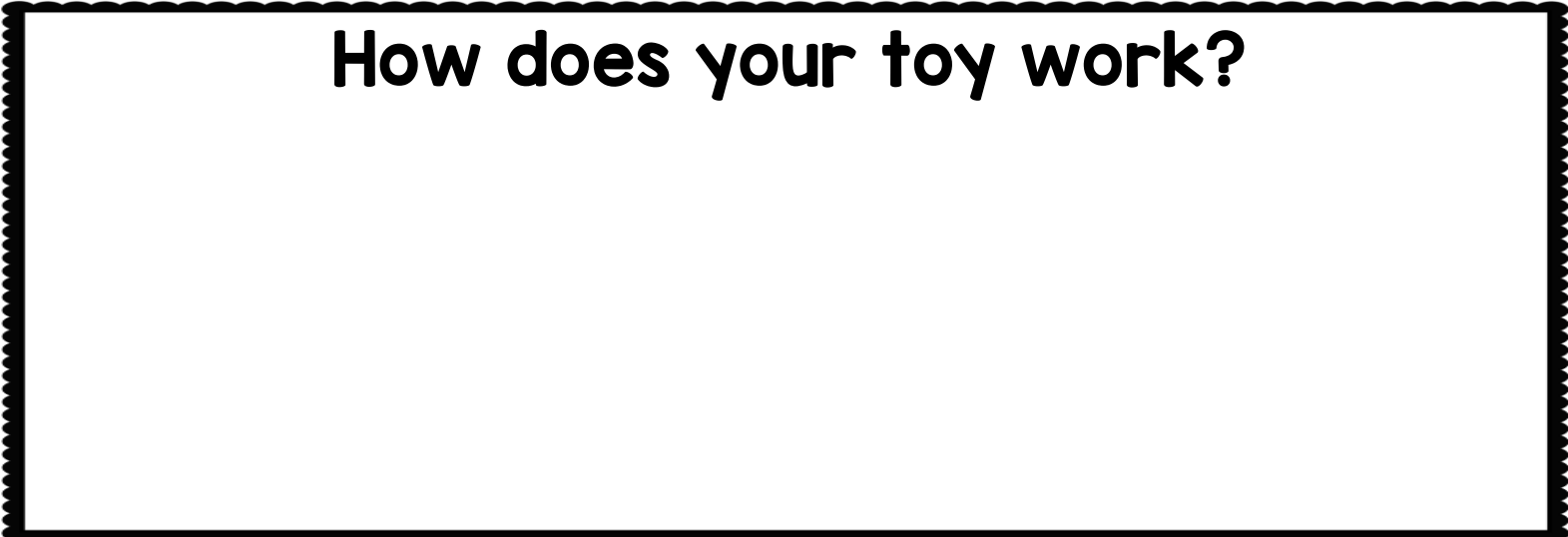
Blueprint



MATERIALS



How does your toy work?



CREDITS



Thank you for your purchase!

Created by Brooke Brown

