

# TRANSPORTATION

*WEEK FIVE*

*PLANES, TRAINS, AUTOMOBILES & MORE!*

# AUTO SHOP DRAMATIC PLAY

## YOU WILL NEED:

- [repair printable](#)
- [role play printables](#)



## Car

- cardboard box
- cutting tools
- paint

1. Cut off one side flap and tape the box closed.
2. Cut a hole and tape one side of the flap to the top to create the hood. Be sure to tape only one side so students can open and close the hood.
3. Cut holes in the bottom for students to stick "parts" and wires through. You can also place the car on some other boxes to create "lifts".

## Mechanic Tools

- any toy tools you have will work
- grab some plastic goggles from the dollar store and so on to round it out



## Auto Fluid Bottles

- empty soap bottles
- food coloring
- water
- glue and tape

1. Fill bottle partially with water and food coloring.
2. Glue the lid shut and cover with tape for extra precaution.



## Mechanic Shirts

- white tshirt
- black paint

1. Smear black paint "grease" streaks onto the shirt
2. Done.

## Car Parts

- random craft and recycling supplies (aluminum foil, pipe cleaners, paper towel roll etc.)

1. Let your kids help out by creating car parts with random supplies.



# \_\_\_\_\_ 'S FIX-IT SHOP

your name \_\_\_\_\_

draw the vehicle

**COLOR:**

circle one



**WHAT IS BROKEN**

put an ~~X~~ ON  
the places that  
need to be fixed



**NEEDS:**

check each



**THE CUSTOMER  
ALSO BOUGHT**

circle each

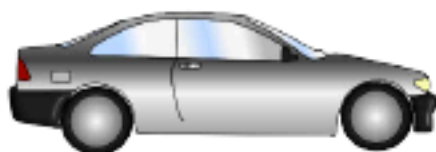


**REPAIR COST** \$ \_\_\_\_\_

**IT WILL TAKE** \_\_\_\_\_


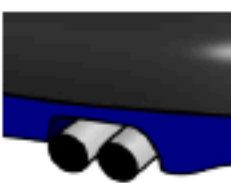


**DAYS TO FIX** \_\_\_\_\_

# Car Repairs Form







Customer name:

What needs fixing? (circle)

			
wheels	exhaust	engine	wipers
Something else? _____			

Equipment needed: (circle)

			
ramps	spanners	oil	jack
Something else? _____			

Signed: \_\_\_\_\_ (mechanic)

# Mechanics Garage



Customer name: \_\_\_\_\_

Repairs needed:

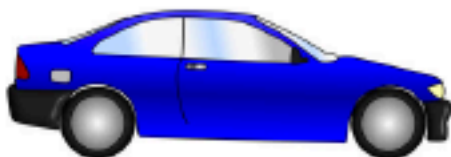
Parts needed (circle):



AB 11 JKL



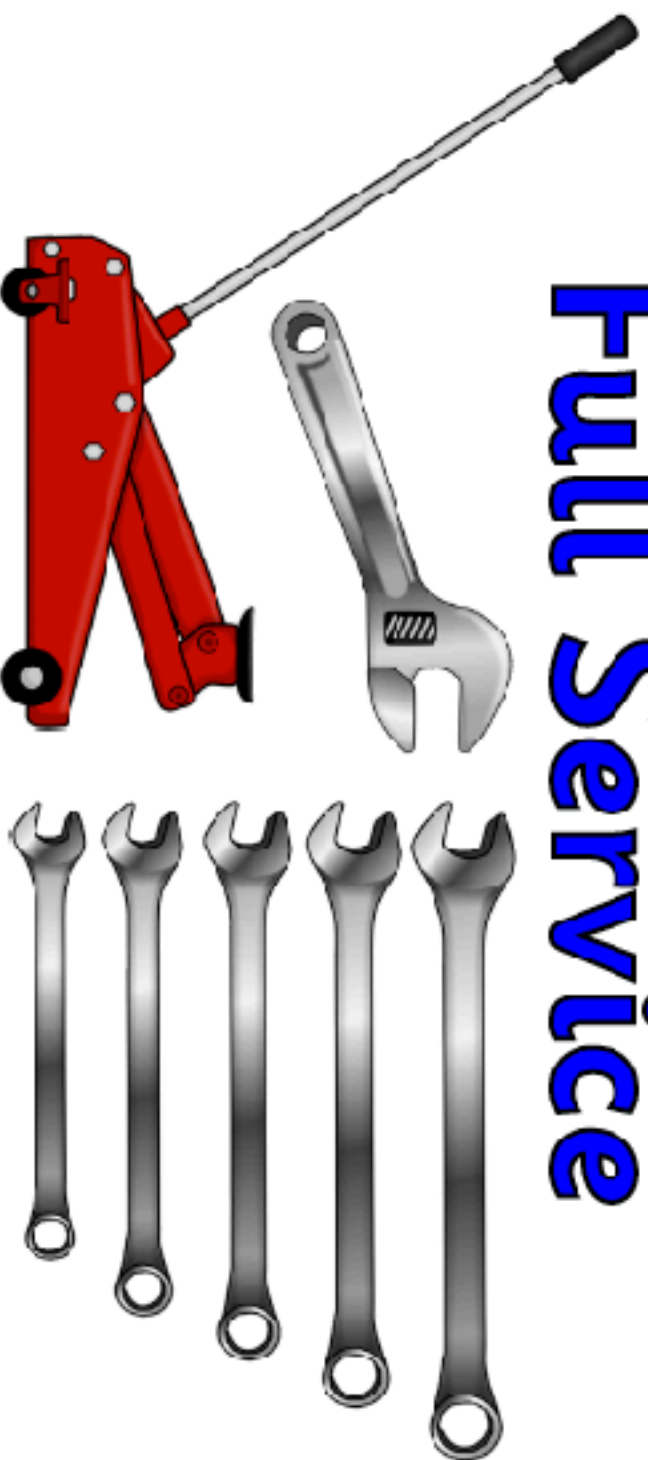
Signed: \_\_\_\_\_



**Mechanics  
Garage**

**Get a**

**Full Service**



# DAY ONE - TRANSPORTATION - LAND

## SENSORY & SCIENCE

[Magnet Car Craft](#)  
[Train Track Skee Ball](#)

## ART

[Painting with Cars](#)  
[Train Track Art](#)  
[License Plate Craft](#)

## READING

If I Built a Car - Book & [Activity](#)

## MULTIMEDIA

Cars - Movie

## FOOD

Fruit Train and Car

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Opinion Writing

Would you rather ride a bike or take the bus to school?

Write your reasoning.



or



I would rather \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



If I Built a Car...

Supplies:

_____	_____
_____	_____
_____	_____

Designed by:



# ART ACTIVITIES

## PAINTING WITH CARS

### You will Need:

- toy cars
- paint
- paper



1. Put paint on a plate.
2. Give kid the cars and tell them to roll the wheels in the paint and then roll them across the clean paper creating car track art.

## TRAIN TRACK ART

### You will Need:

- toy train track pieces
- coloring tools

1. Lay the train tracks one at a time on to your paper. Trace lightly with pencil.
2. Continue connecting and tracing train tracks on top of the ones you've already drawn.
3. Outline with a sharpie or pen.
4. Use coloring tools to add color and designs to the tracks.



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# SENSORY ACTIVITIES

## CAR WASH

### You will Need:

- toy cars
- soap
- water
- large container



1. Let kids get the cars messy with the car painting project. Then let them clean them up with soap and water.

## MAGNETIC CAR CRAFT

### You will Need:

- paper plate
- small magnets
- drawing tools
- scissors
- glue
- popsicle stick/cork/block



1. Have your child draw a track on their plate.
2. Have them draw a car on a separate piece of thick paper/cardstock/plate.
3. Cut out the car and glue a small magnet to the back.
4. Glue a second magnet to the popsicle stick/cork/block (anything that can be used as a way to hold the magnet like a tool).
5. Place the car on top of the plate and move side to pull the car around on the plate.

## MAGNETIC CAR CRAFT

### You will Need:

- toy train tracks
- boxes/stepstool/books
- several bowls/boxes/containers
- toy train



1. Set up a train ramp using the tracks and a step stool, box or stack of books.

# RECIPES

## BANANA STRAWBERRY TRAIN



## ORANGE & GRAPE CARS



## DAY TWO - TRANSPORTATION - BRIDGES & ROADS

**SENSORY &  
SCIENCE**

[Index Card Bridges Experiment](#)  
[Build a Road Playdough](#)

**ART**

[Monet Bridge Art](#)

**READING**

[Tinyville Town Gets to Work - Book](#)  
[Roadwork - Book](#)  
[Would You Rather Worksheet](#)

**MULTIMEDIA**

[What Makes Bridges So Strong? - Video](#)

**FOOD**

Build a Bridge with Marshmallow and  
Graham Crackers

# ART ACTIVITIES

## PAINTING WITH CARS

### You will Need:

- paint
- thick paper/cardstock
- tape
- paint brush



1. Use tape to create a bridge on the paper.
2. Allow child to look at the original artwork and attempt to copy the use of color. Encourage color blending.
3. Have the child use their fingers/brush to apply paint to the paper.
4. When dry, remove the tape.

## TRAIN TRACK ART

### You will Need:

- toy train track pieces
- coloring tools

1. Lay the train tracks one at a time on to your paper. Trace lightly with pencil.
2. Continue connecting and tracing train tracks on top of the ones you've already drawn.
3. Color the tracks.
4. Use markers and designs to the tracks.



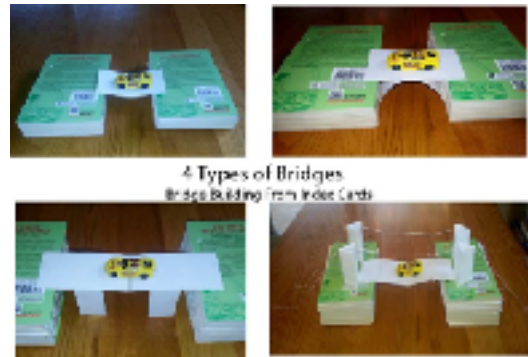
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# SENSORY ACTIVITIES

## INDEX CARD BRIDGES EXPERIMENT

### You will Need:

- index cards
- books
- tape
- string
- small, light toy car



1. Create the four different types of bridges like the picture above. Allow children to discuss the different types.

## BUILD A BRIDGE OVER WATER

### You will Need:

- lego duplo blocks
- blue paper



1. Ask kids to build a bridge over the blue paper 'water' channel using the blocks.

## BUILD A ROAD WITH PLAYDOUGH

### You will Need:

- 1 cup flour
- 1/2 cup salt
- 2 teaspoons cream of tartar
- 1/4 cup used coffee grounds
- 2 tablespoons vegetable oil
- 1 teaspoon vanilla
- Black food coloring (just a few drops to make it gray)
- [Road sign printables](#)
- straws/popsicle sticks



1. Combine the dry ingredients in a large pot and mix with a whisk. Then add the wet ingredients and stir with a large spoon until thoroughly mixed.

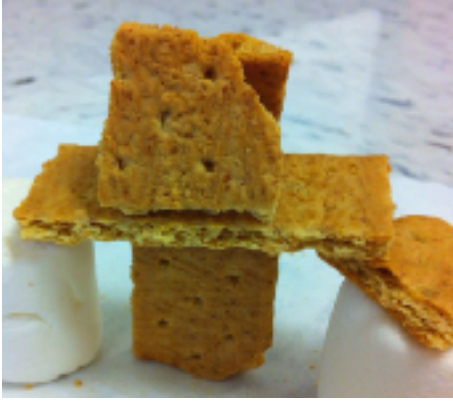
2. Cook over low heat, stirring constantly until a ball forms.

3. Knead the ball of dough gently for a few minutes. Set aside and let cool.

4. Store in a covered container or plastic bag.

# RECIPES

## MARSHMALLOW & GRAHAM CRACKER BRIDGE BUILDING





## DAY THREE - TRANSPORTATION - TRAFFIC SAFETY

### SENSORY & SCIENCE

[Road Sign Scavenger Hunt](#)  
[DIY Traffic Light](#)

### ART

[Color Matching Traffic Light Craft](#)

### READING

[Understanding Safety & Road Signs](#)  
[Traffic Lights Worksheet](#)  
[Biker's License Test](#)

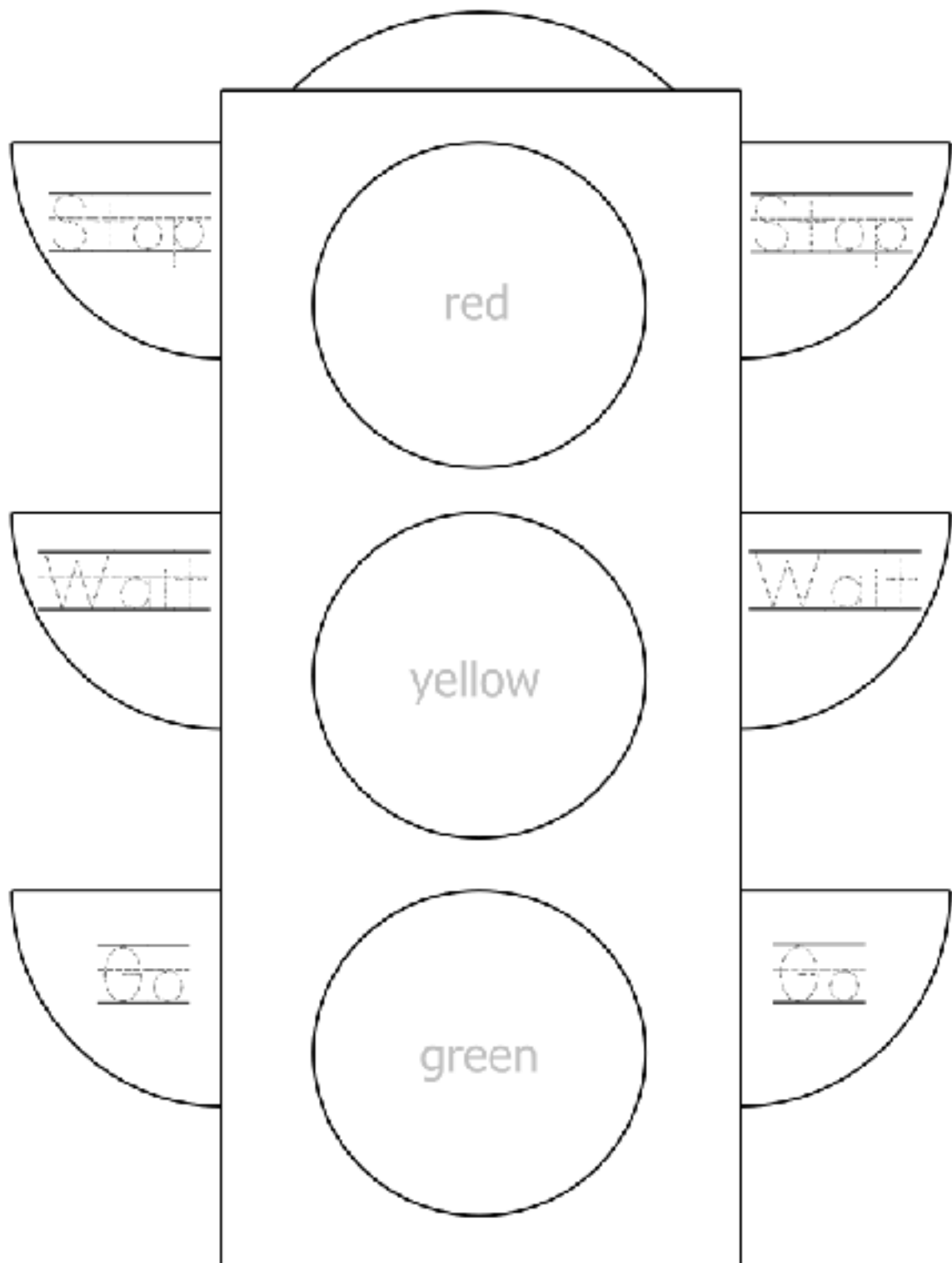
### MULTIMEDIA

[Traffic Light Song](#)  
[Road Safety Video](#)  
[Pedestrian Rules Video](#)

### FOOD

Traffic Light Crackers Two Ways

# TRAFFIC LIGHTS





# Driver's License Safety Test



After mastering this test, you will receive your very own **Driver's License** for bikes and scooters. This license shows that you know the **safety rules** and are a **responsible rider**. This license may be revoked if rules are broken. Happy Riding!!

1. What 2 things must you always wear when riding a bike? \_\_\_\_\_
2. Who should you tell BEFORE you ride your bike or scooter? \_\_\_\_\_
3. Exactly where are you allowed to ride your bike or scooter?  
\_\_\_\_\_
4. What should you do when you want to cross the street?  
\_\_\_\_\_
5. What should you do if you see lightning? \_\_\_\_\_
6. How do you stop on your bike or scooter?  
\_\_\_\_\_
7. Should you cross the road when a car is coming, even if it's far away? or should you wait until there are NO cars around?  
\_\_\_\_\_
8. When you are on a bike ride with other people and you are really fast, should you turn a corner and not be able to see them, or should you wait at the corner until they catch up?  
\_\_\_\_\_



\_\_\_\_\_  
Name of Driver

## Driver's license for bike and scooter

Mastered Safety test on \_\_\_\_\_



\_\_\_\_\_  
Name of Driver

## Driver's license for bi and scooter

Mastered safety test on \_\_\_\_\_

\_\_\_\_\_  
tape  
photo  
here

## driver's license for bike and scooter

\_\_\_\_\_  
Signature

\_\_\_\_\_  
tape  
photo  
here

## DRIVERS LICENSE FOR BIKE AND SCOOTER

\_\_\_\_\_  
Signature

Instructions: Print this page on cardstock. Cut the front and back out of each license. Just the front or back may be used if you do not have a picture or laminate sheets. Secure them together with tape or glue. Enter driver's info. Laminate the license with a self-laminating sheet. Again, you can just cut out and be done. Enjoy your ride!

# SENSORY ACTIVITIES

## HELMET IMPORTANCE DEMONSTRATION

### You will Need:

- canteloupe
- bike helmet



## DIY TRAFFIC LIGHT

### You will Need:

- Wrapping-paper tube
- Small shoebox (lid removed)
- Pringles tube or similar
- Dark-coloured paper
- Red, yellow and green paper (or felt-tips to colour white paper)
- Strong sticky tape
- Scissors and craft knife



1. At one end of the shoebox, draw around the Pringles tube and then cut out the circle using a craft knife to create a hole to slide the tube into.
2. At the opposite end of the shoebox, draw around the wrapping-paper tube then pierce the center and cut into quarters to create flaps.
3. Slide wrapping paper tube just inside and attach by fixing the flaps to the tube with strong sticky tape.
4. Wrap the Pringles tube in dark-colored paper. Insert the tube, open-end first, into the shoebox (our shoebox was small enough that the tube stuck out the top enabling you grip it to twist it round). The open end will rest over the top of the wrapping paper tube.
5. Cut three holes for the traffic lights in the front of the shoebox using a craft knife.
6. Cut a circle out of red, green and yellow paper (make these slightly bigger than the holes cut in the shoebox).
7. So that you know where to stick the coloured circles, mark with a pencil through the top hole on the shoebox, then rotate the tube and mark through the middle hole and then rotate once more and mark through the bottom hole. Stick the

# TRAFFIC SIGNS FOR PLAY-DOH PLAY & LEARNING

**Directions:** Cut out individual signs. Laminate. Use glue gun to adhere a craft stick to each sign. Use PLAY-DOH compound to help them stand up for pretend play!



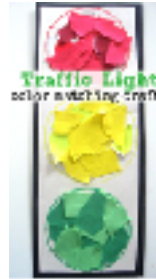


# ART ACTIVITIES

## COLOR MATCHING TRAFFIC LIGHT

### You will Need:

- red, green and yellow paper
- white paper
- scissors
- glue



1. Draw three circles creating a stoplight on a piece of paper. Each circle should be a different color like a stoplight.
2. Give your child torn pieces of colored paper and and have them glue the correct colors onto the matching circles.



# ROAD SIGN

## Scavenger Hunt



# RECIPES

## TRAFFIC LIGHT CRACKERS TWO WAYS



# DAY FOUR - TRANSPORTATION - WATER

## SENSORY & SCIENCE

[Tin Foil Boat Challenge](#)  
[Soda Bottle Boats](#)  
[Pool Noodle Boats](#)

## ART

[How to Draw a Boat](#)  
[Paper Boat Collage](#)  
[Monet Inspired 3D Boat Art](#)

## READING

[Drawing Directions Worksheet](#)  
[B is for Boat Worksheet](#)

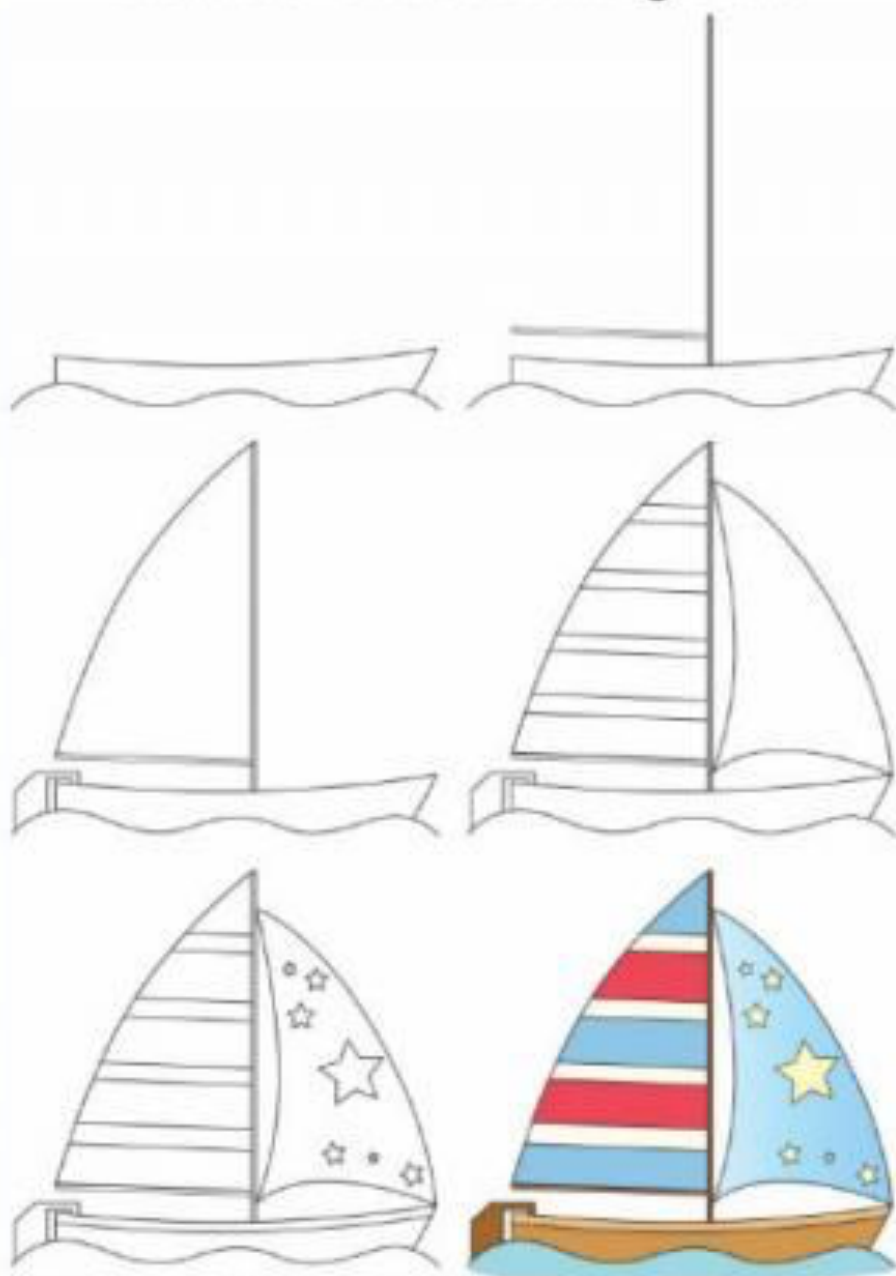
## MULTIMEDIA

[What Makes Things Sink or Float? Video](#)  
[Bill Nye Buoyancy - Video](#)  
[Sink or Float Activity Video](#)

## FOOD

[Smore Banana Boats](#)

## Learn to Draw a Sailing Boat



Learn to draw with [www.ActivityVillage.co.uk](http://www.ActivityVillage.co.uk) • Keeping Kids Busy

# SENSORY ACTIVITIES

## TIN FOIL BOAT

### You will Need:

- pennies
- aluminum foil

1. Create two different boat shapes out of the aluminum foil.
2. Hypothesize which will float better.
3. Experiment. Use the Float your boat worksheet.

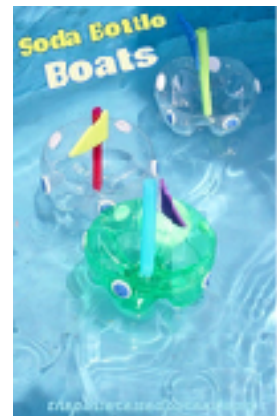


## SODA BOTTLE BOATS

### You will Need:

- empty soda bottles
- straws
- craft foam
- scissors
- hot glue gun and glue

1. Cut the bottom off of the soda bottle.
2. Cut the straw to a shorter length. (this will be the mast)
3. Glue triangles of craft foam to straw for the sails.
4. Play!



## POOL NOODLE BOATS

### You will Need:

- pool noodle
- knife
- straws
- craft foam

1. Cut pool noodle into discs.
2. Poke hole into one side of noodle for straw.
3. Cut triangle out of foam and place two hole vertically on triangle for straw to fit through.
4. Stick straw and craft foam sail into noodle disc.





Name: \_\_\_\_\_

## Float Your Boat Record Sheet

1. Draw a picture of your boat in the box below.

2. How many pennies can your boat hold without sinking?

Prediction	Actual Result

3. Did your boat hold more or fewer pennies than you predicted? \_\_\_\_\_

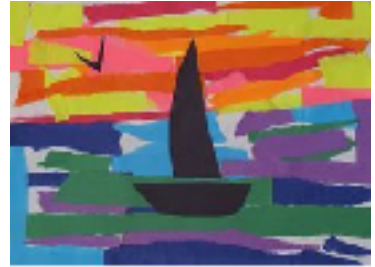
4. The difference between the prediction and the actual result was \_\_\_\_\_ pennies.

# ART ACTIVITIES

## PAPER COLLAGE BOAT

### You will Need:

- various colors of construction paper
- glue

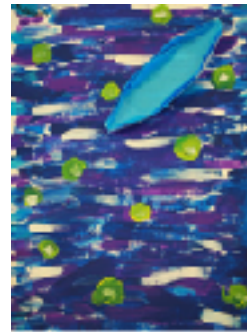


1. Instruct child to tear/cut pieces of paper into strips.
2. Once multiple strips of different colors are ready, have child glue them down creating a sunset on the water.
3. Help the child by cutting a black sail boat silhouette and a bird and glue them on top of the sunset strips.

## MONET INSPIRED 3D WATERSCAPE

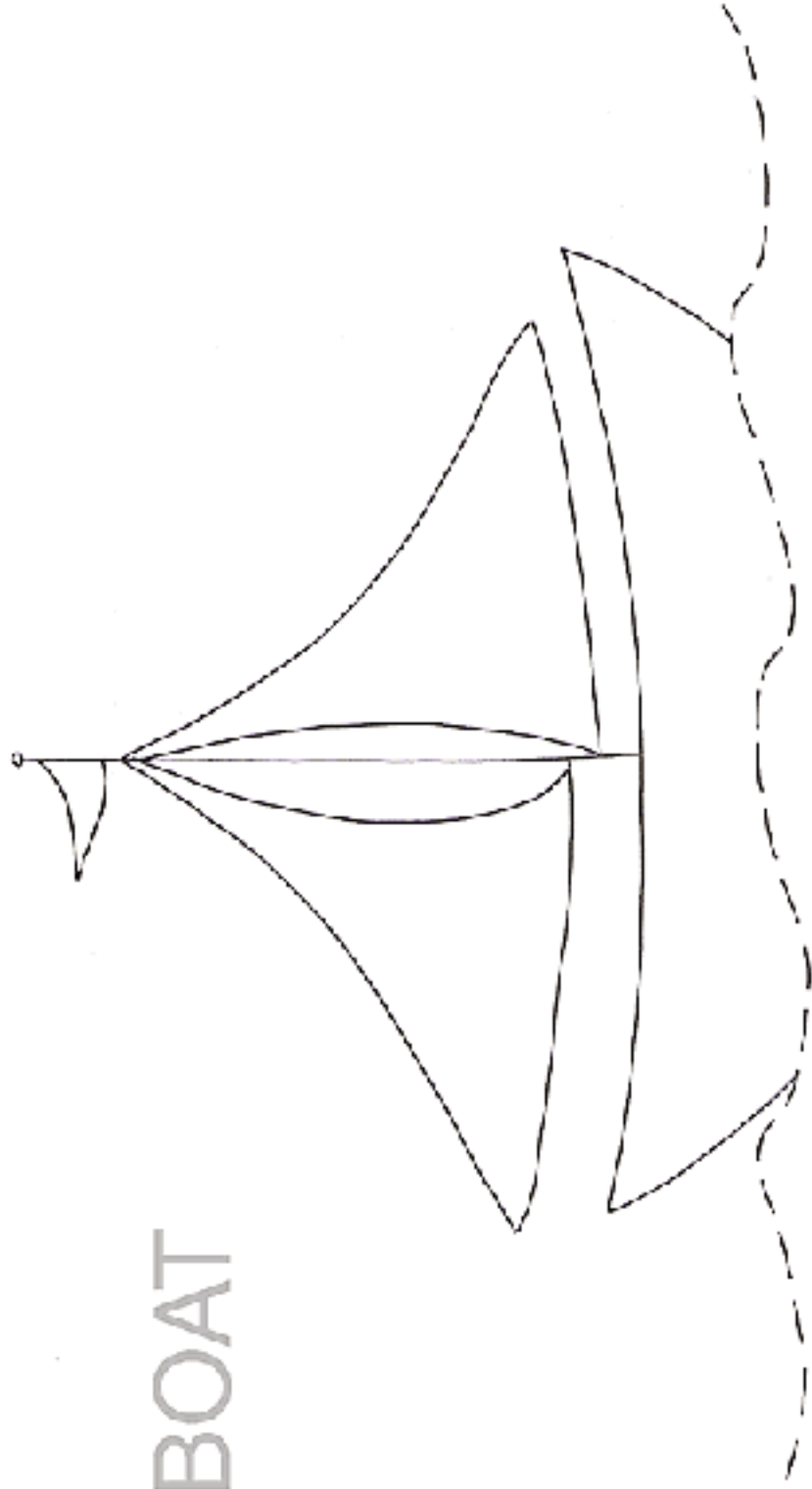
### You will Need:

- paint (blues, purples, white, yellow)
- paint brush
- colored paper
- white paper



1. Look at some of the [water lily series by Monet](#)
2. Then have the child create their own version of the water with a few lily pads.
3. Teach them [how to fold an origami boat](#) using the colored paper and glue it onto the dry painting.

BOAT



B

B

B

B

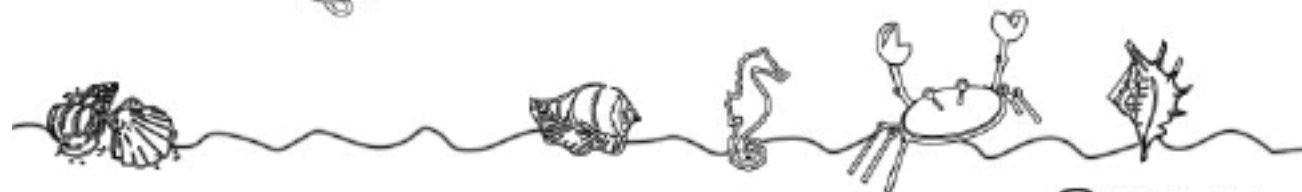
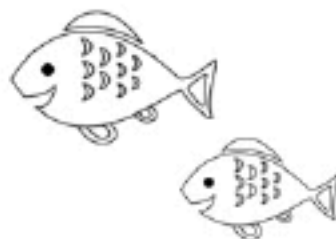
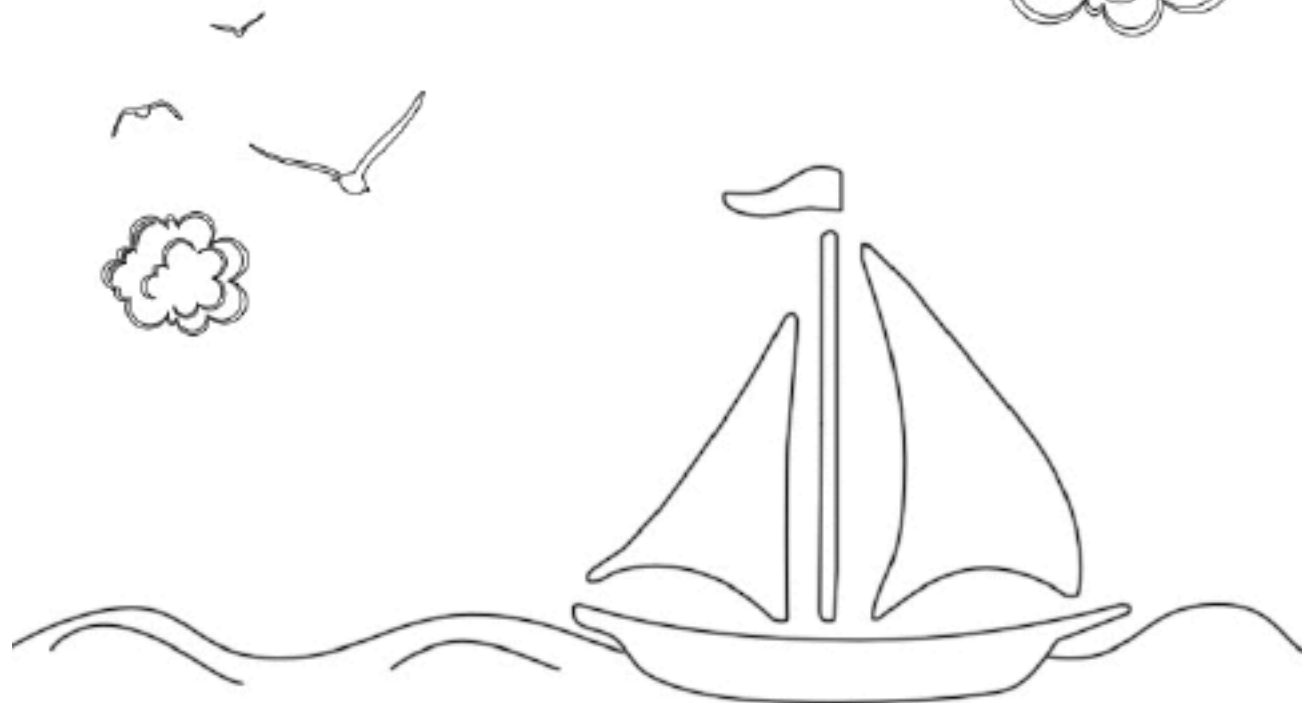
B



Name: \_\_\_\_\_

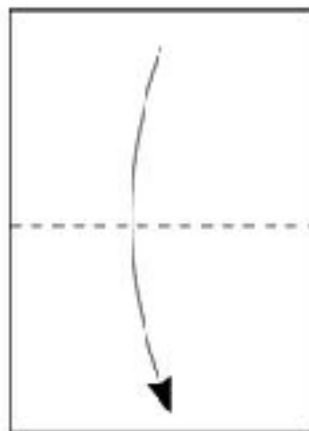
## Above, On and Below

1. Draw 3 birds **above** the boat.
2. Draw 1 duck **on** the water.
3. Draw 2 fish **below** the boat.

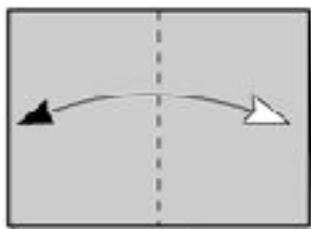


# Boat (traditional)

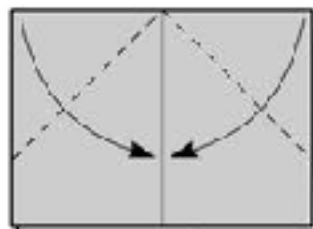
Diagrammed by: František Grebeníček (1999)  
www.origami.cz



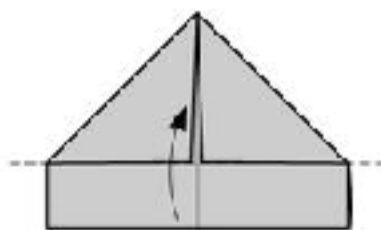
(1) Start from a rectangle (e.g. A4).  
Fold in half.



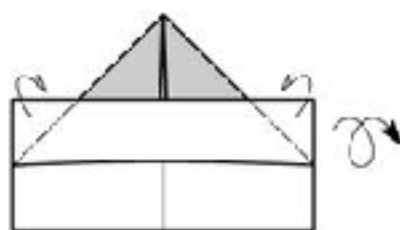
(2) Fold in half and  
unfold.



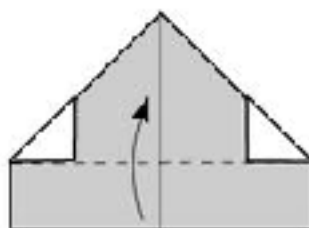
(3) Fold to the center.



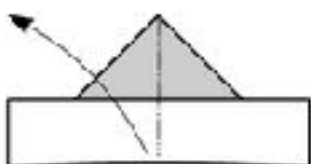
(4) Fold the overlap-  
ping strip upwards.



(5) Fold corners  
backwards. Turn over.



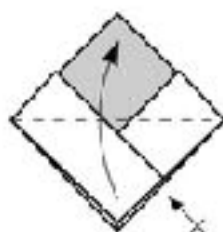
(6) Fold strip upwards.



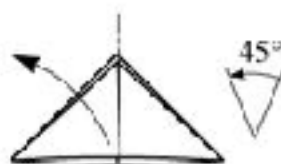
(7) Open.



(8) Opening in progress.



(9) Fold triangle upwards.  
Repeat behind.



(10) Open (like  
in the steps 7 and 8).



(11) Take upper  
corners and stretch out.



(12) Finished boat.

# RECIPES

## S'MORE BANANA BOAT

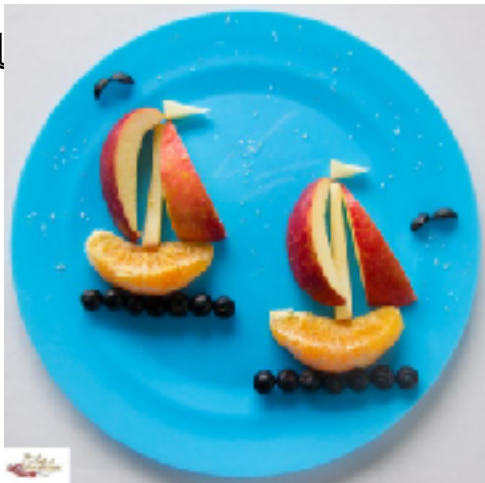
### You will Need:

- banana
- graham crackers
- marshmallows
- aluminum foil
- chocolate chips



1. Peel banana.
2. Set on a piece of aluminum foil and tent it so it won't stick to the foil when cooking.
3. Slice down middle but not all the way through.
4. Fill middle with marshmallows and chocolate chips.
5. Grill or place on cookie sheet in oven for 5-6 minutes.
6. Crumble graham crackers on top and enjoy.

FRI



## DAY FIVE - TRANSPORTATION - AIR

### SENSORY & SCIENCE

[Hot Air Balloon Science](#)  
[Paper Airplane Comparison](#) & [Plane DIY's](#)

### ART

[Paper Plate Hot Air Balloon](#)  
[Handprint Airplane](#)

### READING

[Airplane Parts Worksheet](#)  
[Transportation Matching Worksheet](#)  
[Build a Better Airplane Worksheet](#)

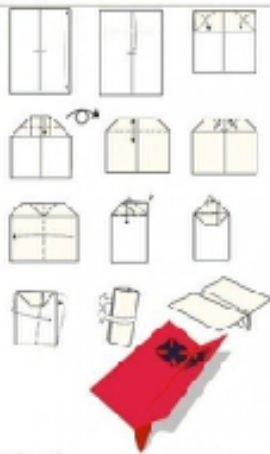
### MULTIMEDIA

[Things that Go - Hot Air Balloons Video](#)  
[Airplane Song](#)  
[How to Hot Air Balloons Work Video](#)  
Planes - The Movie

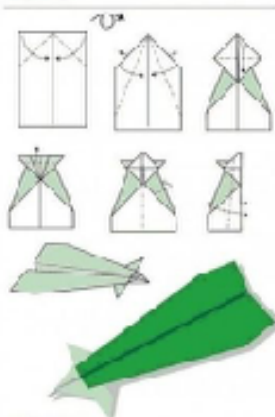
### FOOD

Helicopter Sandwich

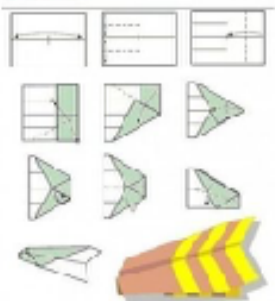
3) **Sike**



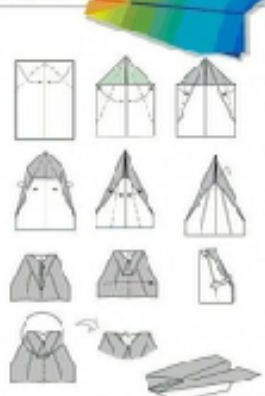
4) **Canard**



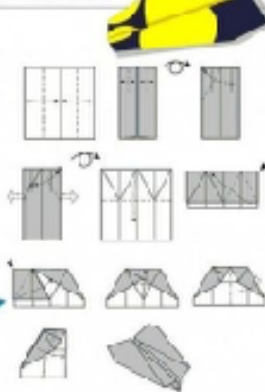
5) **The Delta**



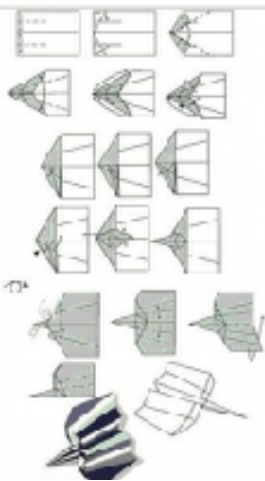
8) **Locked**



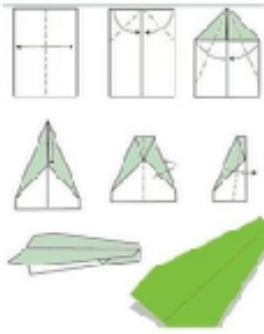
10) **The Triplane**



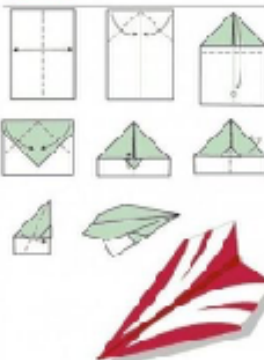
10) **The Needle**



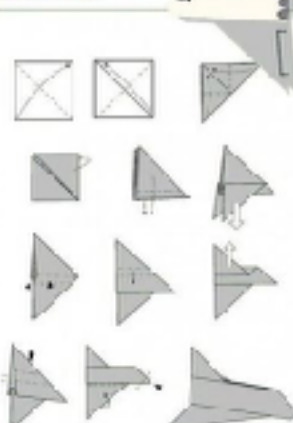
1) **Glider**



2) **Glider #2**



6) **The Shuttle**



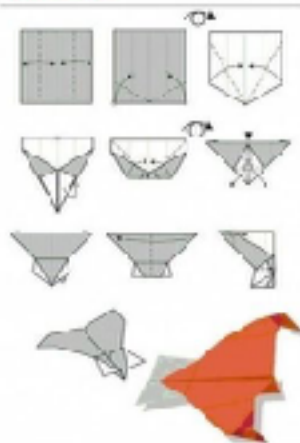
7) **Gomez**



8) **Locked**



12) **Little Sticky**



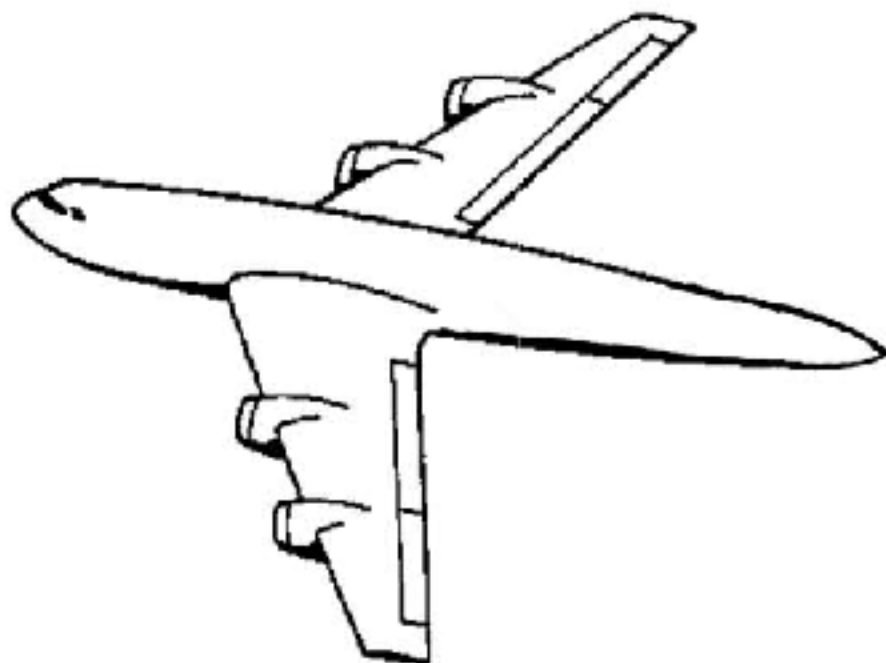
## STEM Paper Airplane Comparison Chart



Type of Plane	How Far It Flew	What I Noticed About Its Flight

# Build A Better Vehicle

## Airplane



What kind of vehicle is this? *CAR*, AIRPLANE, BOAT

What is missing from the vehicle?

tail wings

Draw in the missing or wrong parts to make this a better vehicle.

Does this vehicle drive on   or  ?

# Parts of a Plane: Identify and Label

Trace the words to label the different parts of the plane. When you're finished, give your plane a little color.

wing

elevator

rudder

flap

spoiler

cockpit

stairs

turbine engine



# SENSORY ACTIVITIES

## HOT AIR BALLOON SCIENCE

### You will Need:

- 1 empty 2-liter bottle, cap removed
- 1 round balloon (preferably larger than 5")
- 1 sheet of paper towel
- 1 tablespoon baking soda
- 1 liter white vinegar
- Food coloring (optional)



1. Fill bottle halfway with white vinegar
2. Cut/tear paper towel sheet into 4 squares.
3. Place 1tbsp of baking soda on each square
4. Fold paper towel squares into burrito shapes. (The goal is to prevent the reaction from occurring immediately so you have time to affix the balloon) Don't wrap it too tightly or it will take too long and the kids might get bored.
5. Drop the paper towel burrito into the bottle and quickly attach the balloon to the top of the bottle.

The balloon will fill with air as the baking soda and vinegar react. This reaction occurs because the acetic acid in the vinegar is reacting with the sodium bicarbonate to create a gas called carbonic acid.

## TRAIN TRACK ART

### You will Need:

-

# ART ACTIVITIES

## PAPER PLATE HOT AIR BALLOONS

### You will Need:

- two paper plates
- string
- decorative items (feathers, glitter etc)
- glue
- paper/plastic cup
- single hole punch



1. Glue two plates together facing inwards.
2. Allow child to decorate.
3. Punch two holes on either side of bottom and tie string through.
4. Punch two hole on either side of cup and tie the strings from the plates to the cup.
5. Punch hole in top and tie string on for hanging.

## HANDPRINT AIRPLANE



# RECIPES

## HELICOPTER SANDWICH



## AIRPLANE SNACK



## HOT AIR BALLOON BREAKFAST

