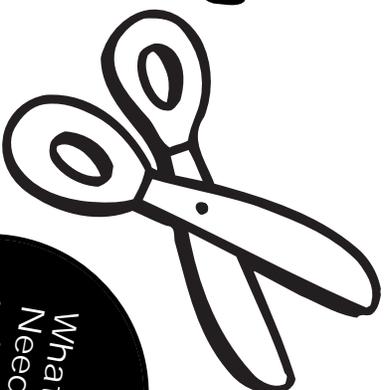


How to Make Your ZOOMerang

You can print out your ZOOMerang and make it into a little booklet.

Here's how:

- Print all the ZOOMerang pages.
- Cut out each page along the dotted lines.
- Tape pages 1-6 together from end to end so that you have a long row.
- Tape pages A-F together to make a second long row.
- Lay one row face down on a table and put some glue on the back of the pages.
- Place the second row on top of the first row. The printed part of the second row should face you.
- Smooth out the glue with your hand.
- Let it dry and then fold your ZOOMerang where the pages join together.



What You
Need
• scissors
• tape
• glue

Yalla!



Dear ZOOM,
This is a project we did in school—it's very fun. You need to design a bungee jump ride for an egg. The egg cannot break or hit the ground. Your rider must come within 2 inches of the floor, without touching the floor. You might want to practice first with a plastic egg in order to get it right.

Rachel K. of Champaign, IL

Jump

Bungee



The ZOOM cast used nylon pantyhose for bungee cords. They began by s-t-r-e-t-c-h-i-n-g the pantyhose to figure out how long to make the bungee cord. Next they filled a plastic "test" egg with pennies to match the weight of the real egg. They tried their designs with the test egg first, then used a real egg. Alisa's and Caroline's egg survived the jump; Claudio's and Zoe's egg cracked up (since the weights of their test egg and real egg didn't match). Make and test your own bungee jump. Then invent your own egg drop challenge and send it to ZOOM.

All submissions become the property of ZOOM and will be eligible for inclusion in all ZOOMmedia. This means that we can share your ideas with other ZOOMers on TV, the Web, in print materials, and in other ZOOMways. So, send it to ZOOM. Thanks!

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Photos: Mark Ostow, Bill Stribman



on 0011031

Sent in by T.J. R. of Kirksville, MO

Backpack Challenge

Are backpacks heavier on certain days of the week? Kids all over the country are weighing in to help ZOOM find out.

Here's how **YOU** can be part of ZOOM's Backpack Challenge:

First, **weigh** yourself with your backpack on a scale. Then weigh only yourself.

Subtract the amount you weigh without the backpack from how much you weigh with the backpack. The **difference** is the weight of your backpack.

Weigh your backpack for **five days** in a row (Monday through Friday).

Do it each day as soon as you get home from school.

Record the weight, what grade you're in, and whether you're a boy or a girl.

Then send your data to ZOOM, Box 350, Boston, MA 02134 or to the Web site at pbskids.org/zoom.



Do backpacks weigh more on certain days of the week? Do kids in certain grades carry heavier backpacks? Who carries heavier backpacks — boys or girls? Make your own predictions, and then collect data to find out. And be sure to visit the ZOOM Web site to see data from kids across the country.

2

Fill It Out!

ZOOM Backpack Challenge
Grade _____
Boy/Girl _____

Mon.	Tues.	Wed.	Thurs.	Fri.
_____ pounds				

Café



Sent in by
Rachel U. of
Sandly, UT

What do you get when you cross a parrot with a pig?

A bird that hogs the conversation (from Chelsee O., Dorval, Québec, Canada)

3

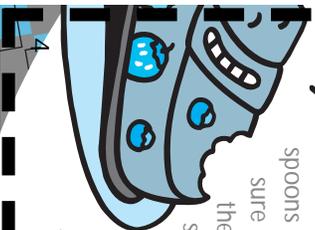
Fruit Leather

Don't wear this leather—eat it!
What You Need • 1 cup of chopped fruit (such as strawberries, blueberries, or raspberries) • 2 tablespoons of honey • a blender • a spoon • a cookie sheet with a rim • plastic wrap



Check with a grown-up before you start. Preheat the oven to 140 degrees or lower. Then take the plastic wrap and COVER the top of the cookie sheet. (It's OK to put plastic wrap in the oven because the heat is low.)

Put the chopped fruit and two tablespoons of honey in the blender. Make sure that the top is securely on the blender. Blend for ten seconds or until the fruit is all mushed up. Make sure the blender has completely stopped before you take off the top.

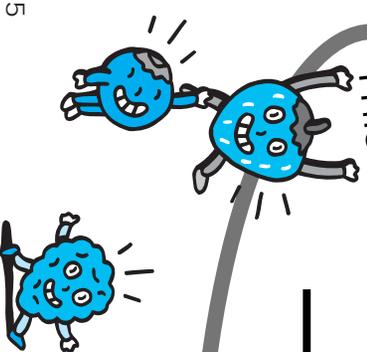


Pour the fruit onto the cookie sheet and smooth it out with a spoon. Make sure it's even. Put the tray in the oven and COOK for three hours or until the fruit is dry. Don't try to save time by turning up the heat—you'll just burn the fruit. Once the fruit is dry, take it out of the oven and let it COOL. Then roll it up, peel it off, and take a bite!

ZOOM used strawberries. Try making fruit leather using different kinds of fruit. Invent your own fruity combinations and send your recipes to ZOOM, Box 350, Boston, MA 02134.

This ZOOMerang belongs to: _____

ZOOMTM





Thanks
for writing
to ZOOM!



Notice Anything Different?



Some fresh, new faces have joined Alisa and Zoe in the ZOOM cast — Caroline, Kenny, Ray, Claudio, and Jessie! Get to know them by visiting their home pages at pbskids.org/zoom.

To find out what the "old" ZOOMer's (Pablo, Jared, Keiko, Lynese, and David) are up to, click on ZOOMakum.



How to Speak Ubbi Dubbi™

Just add "ub" before each vowel sound. Accent the "ub" each time it comes up.

Pubbandubing uba
pubartubdy? Vubsubit
ZOOMparty ubon thube
ZubOOM Wubeb subitei

Use the Ubbi Dubbi translator on ZOOM's Web site to turn Ubbi Dubbi into English, uband Ubengubish ubinrubo Ubbi Dubbi.

Native American tradition says that if you hang a Dream Catcher above your bed, the Dream Catcher will catch good dreams and let the bad ones go through the holes. Here's how to make your very own.

your very own.



- What You Need
- a paper plate
 - a single hole puncher
 - yarn
 - beads, feathers, and markers

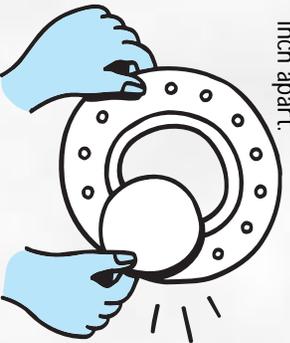
B

sent in by Becky R. of Jackson, NJ



Make the Frame

Cut out the center of the paper plate so that you have about two inches of the rim leftover. Punch holes around the rim of the plate. Make the holes about an inch apart.



Weave a Web

Cut a piece of yarn that is about two arm-lengths long. Tie one end of the yarn to one of the holes. Start weaving the yarn across the plate from one hole to the next. Make it overlap a few times so it looks like a web. You can add a few beads to your Dream Catcher by slipping them onto the yarn as you weave. When you're done, tie a knot at the end of the yarn.

Add Some Style

Punch three more holes at the bottom of your Dream Catcher. Tie about five inches of yarn to each of the holes. Thread beads onto each piece of yarn and tie a feather to the end. Use markers to decorate the paper plate. Punch a hole at the top of the Dream Catcher. Put a piece of yarn through the hole and tie it to make a small loop. Hang your Dream Catcher over your bed to ward off nightmares. Sweet Dreams!

C

Do you know how to make any cool crafts? Send the directions to ZOOM.



How would you describe yourself?
Happy, talkative, and energetic. A good person.
What do you like to do when you're not
taping ZOOM?
Act, play basketball, surf the Web, go to the
movies, and hang out with friends.

What do you like most about school?
Seeing my friends.

What do you want to be when you grow up?
An actress or a psychiatrist.

What's your favorite ZOOM activity?
Broom hockey.

What's the silliest thing you've had to do
on ZOOM?
I had to bark at the end of a joke.

Want to know more about
me and get a free coloring
sheet? Check out my home
page at pbskids.org/zoom.



E



Sent in by Hilary R. Plainsboro,

Chromatography



Can a green marker really be blue and yellow? What You see Isn't always what you get!
What You Need
• washable color markers
• white paper towels • a straw • water

Draw a circle the size of a dime on a paper towel with a washable color marker. Using a straw, add drops of water to the center of the circle. Add one drop at a time until the water spreads outside the circle. What happens? Try it again using a different color marker.

How do they compare?

What happens if you use a different brand marker? How about if you use a different liquid, such as cooking oil instead of water? Change one thing, make a prediction, and then test it out. Tell us what happened by sending your results to ZOOM, Box 350, Boston, MA 02134 or to pbskids.org/zoom.

Science Scoop

The water separates the colors in the ink. As water moves through the paper towel, it leaves behind the individual colors that had been mixed together in the marker.



Penny Cup

ZooGameSM



Set . . .

Open the napkin so that it's one layer thick, and put it over the cup. Put the rubber band around the rim of the cup and over the napkin. Put the penny in the middle of the napkin.

Play!

Two players take turns poking a hole in the napkin with a pencil. The entire tip of the pencil needs to go through the napkin. The person who doesn't make the penny fall is the winner!

Ready . . .

Collect these things:
a cup filled with water, a paper napkin, 2 sharpened pencils, a penny, and a rubber band.

sent in by Lisa D., Warren, RI

F