

## CHALLENGE AND DISCOVER:

# BUILD A BRIDGE

Challenge your Children to design and make a bridge that will hold at least 1 Kg. Here are some examples and links for inspiration.

### CARDBOARD BRIDGE

The bridge is made of cardboard and plastic hangers.



Use a serrated knife to cut the cardboard tube into 4 pieces. Cut notches into the tubes about the same width as the flat cardboard piece.

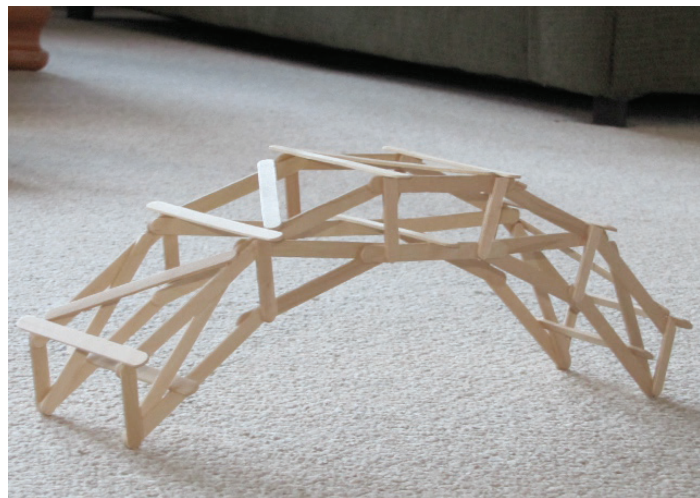
To add more stability to the bridge, add a piece of plastic from a broken clothes hanger to each side of the bridge, poke a hole in each cardboard tube.

Time to test how much weight the bridge holds. Weigh some containers of rocks on kitchen scale. Each container weighed a little over 1 kg (which was perfect since the challenge is to build a bridge that holds at least 1 kg).



### NEWS PAPER BRIDGE

For the recipe check out:  
<http://blog.anportraits.com/2013/04/20/bridge-building-101-seattle-area-lifestyle-photographer/>



### POPSICLE STICK BRIDGE DESIGN

Resources

1) From the simple to complex you can build a bridge from popsicle sticks.

The following website is a fantastic resource:  
<http://garrettsbridges.com/popsicle-stick-bridges/>

2) Wonderhowto video. Bre Pettis goes over the basics of building bridges. As a bonus you get to watch other people stand on their own bridges and break them.

<http://construction-toys.wonderhowto.com/how-to/make-bridge-out-popsicle-sticks-4429/>



OSCAR Network  
Christchurch

25 Disraeli Street  
Christchurch 8240

Phone: 03 3793915  
e-mail: [admin@oscarnetwork.org.nz](mailto:admin@oscarnetwork.org.nz)

[www.oscarnetwork.org.nz](http://www.oscarnetwork.org.nz)

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# SNOOD Activities

## DIY PLASTIC BAG SKIPPING ROPE

Cut the plastic bag open so they are one flat piece. Cut off the handles and any extra pieces so you are left with one large rectangle of plastic.

Cut each rectangle into long strips. It doesn't really matter if the strips are the same width or even length. After cutting a few bags worth of strip, started tying the strips together a little longer than the length you want the skipping rope to be. Make a total of 12 long strips.

Take six of the strips and tape them together with masking tape and tape the whole group to the back of a chair. Then plait the six strips together into one very long, skipping rope sized plait. Repeat this step with the second 6 strips.

Twist the two plaits together tightly so that the jump rope has enough weight to swing when jumping. Tape the ends with duct tape to create a handle.







# POPSICLE STICKS CRAFT

**POPSICLE STICKS HAVE A WARM WOODEN, ECO-FRIENDLY LOOK AND ARE INEXPENSIVE TOO.**

## POPSICLE TIN

This project that uses your average 425grams tin can as a base, and a removable band of Popsicle sticks.

1. Start with two thick wooden rulers and taped them down to a cardboard base. Leave just enough space in between for a row of popsicle sticks to lie flat. Place 25 sticks that

were all touching side by side, and then glued down two fabric ribbons with some craft glue.

2. Let dry for about 15 minutes so that the sticks and ribbon are mostly bonded together. Carefully pick up the row of sticks with the ribbon and let dry for at least an hour.

3. One side of the ribbons gets trimmed flush with the stick edge, and the other is trimmed down to about an inch. Glue those ends to the inside of the opposite side and secure with a paper clip until it is dry.

4. Paint an empty, clean can and let dry. The popsicle band should slide right over the can. A ribbon may be added for decoration.

<http://www.artprojectsforkids.org/search/label/popsicle%20sticks>



# HAND CLAPPING

**A FANTASTIC WEBSITE WITH VIDEOS OF HAND CLAPPING GAMES.**

[HTTP://FUNCLAPPING.COM/](http://funclapping.com/)



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# MAKE YOUR OWN CONTACT PAPER STICKERS

The kids and I made our own contact paper stickers. Adaptable to any skill level and developmental stage.

1. Tape down pieces of contact paper shiny side up on the table and draw pictures with sharpies.
2. After you have finished the drawings, cut out stickers.
3. Peel off the paper backing from the contact paper and press stickers to coloured paper.



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