

BUILDING BIRD BEAKS!



Using some recycled materials, some engineering and a little bird know-how...make you very own "working" beak!

Materials:

Cardboard strips

Extra cardboard (for beaks)

Brads

Scissors

Paint/markers

Glue/tape

**Clue Cards (optional)

How to:

1. Cut 4 strips of cardboard (approximately 4" x ¾" works, but feel free to improvise!)
2. Punch 2 holes in each (one at a far end and one in the middle)
3. Attach 2 strips in middle with a brad (forming an x)
Repeat on other 2 strips (now you 2 xs)
4. Connect the 2 xs with brads forming xx
5. Draw and cut out a beak (top and bottom should be cut apart)
6. Glue/tape top of beak onto top cardboard strip, and bottom onto the bottom strip
For best results, lay beak together upside down, fully extend cardboard contraption, glue or tap on beak to each piece

BEAK: A bird's beak (bill) is used for feeding, preening, manipulating objects, courtship, etc.
Upper and lower mandibles are bony projections covered with a thin layer of keratin
Vary in size, shape, color, texture

ADAPTATION: A change in the structure of function of an organism's body or behavior (due to natural selection) by which it is better able to survive in its environment.

** Looking for more of a challenge?

Pick a description and design your beak to fit.

Do some research! Find out about the amazing adaptations of some bird beak and design your after that



Cabrillo
Marine
Aquarium

Building Bird Beaks

MATERIALS:

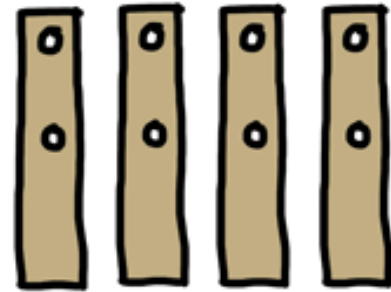
CARBOARD STRIPS

Aprox size: 4" X 3/4"

2 Holes: 1 at end + 1 in middle

At least 4 strips

*** Try more for a longer reach!!!



BRADS
(METAL FASTENERS)



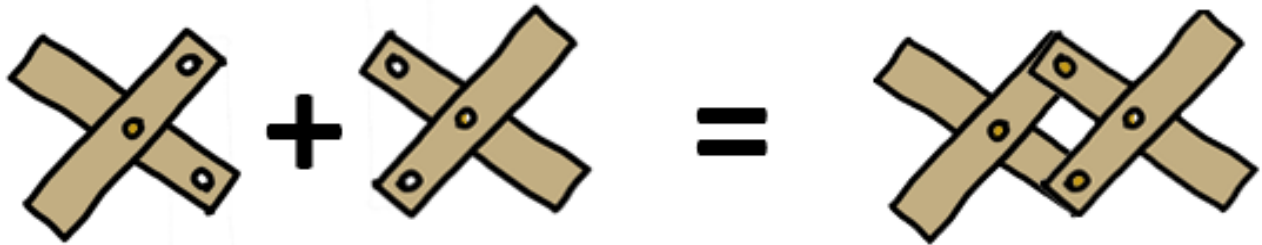
TOP OF BEAK



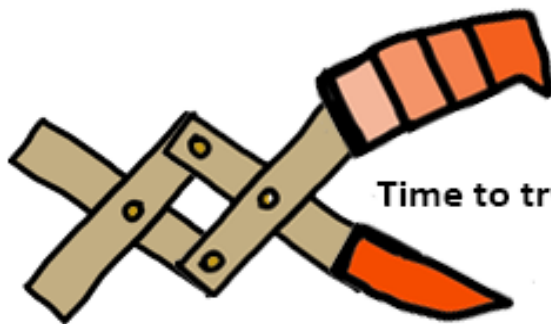
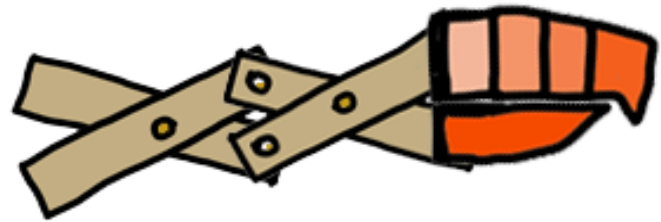
BOTTOM OF BEAK



HOW TO:



Attach beak to cardboard strips
*For best results lay beak backwards, extend cardboard contraption, glue/tape onto beak



That's it!

Time to try out your new beak!

CLUES



Cabrillo
Marine
Aquarium

**You catch Fish
with your beak**

**You tear Flesh
with your beak**

**You collect Nectar
From deep inside a flower
with your beak**

**You catch Insects
with a beak
While you are flying**

**You crack hard Seeds
With your beak**

**You catch
small Crabs and Shrimp
with your beak**

**You eat Algae
with your beak**

**You hammer holes
in trees with your beak**

**You find animals
In the shallow mud**

with your beak

**You find animals
In the deep mud
with your beak**

**You hunt in the sand near
the edge of the ocean**

**You eat insects that
Hide inside of beach
wrack**

**You steal fish from other
bird midflight**

**You eat almost anything
you find in a trashcan**

**What clue's can you come
up with?**