

Linkages



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1900 Dalrymple Drive
Baton Rouge, LA 70808

Knock Knock Children's Museum is a community spark for engaging, playful learning experiences that inspire and support lifelong learning.

Linkages

Age Level: 5 and up | Learning Zone: Maker Shop
Subject: Linkages | Lesson Duration: 30 minutes

[WATCH THE VIDEO LESSON HERE!](#)

Materials Needed:

- cardboard or poster board
- brad fasteners
- scissors
- markers
- hole puncher (if you have one)

Louisiana Standards:

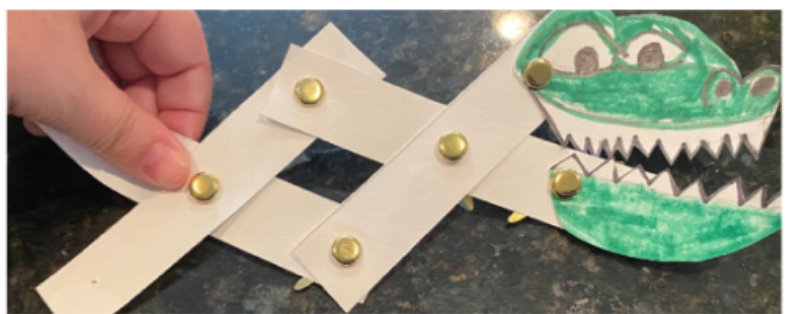
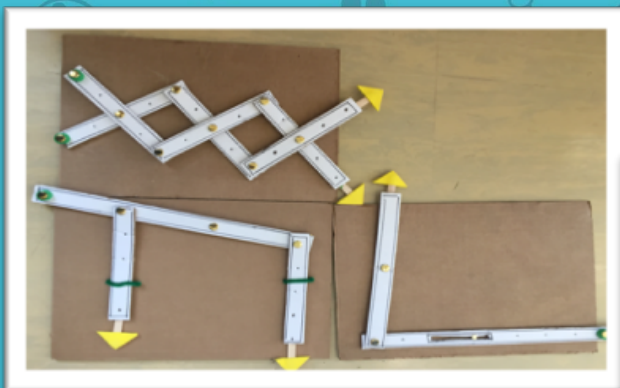
K-PS2-1, 3-PS2-2, 1.MD, 2.MD, 3.MD, VA-AP-E5

Learning Objective:

You will be using engineering, art, and math to make a drawing of an animal move.

History or Vocabulary:

A **linkage** is an assembly of bodies connected to manage forces and movement. Each linkage is connected by a joint to one or more other linkages.



Directions:

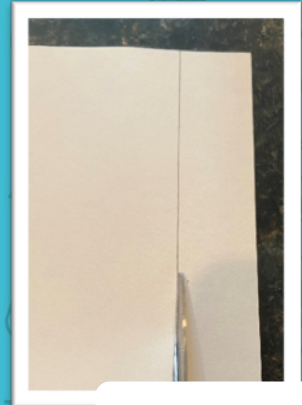
- Using your ruler, measure one inch across and 5 inches down with your ruler. Cut out at least four strips.
- Then punch three holes in each linkage. If you do not have a hole puncher, you may use your scissors.
- Make an "X" with two linkages and attach them in the middle with a brad fastener.
- Join the other two linkages like the picture.
- Using the rest of your poster board, draw the top and bottom jaw of an animal of your choice! I did an alligator. Be sure to use your markers to make it colorful.
- Then cut out your jaws and punch a hole on the sides and attach with brad fasteners. Can you make your jaw open and close? What else can you make with linkages?



Step One



Step Two



Step Three



Step Four

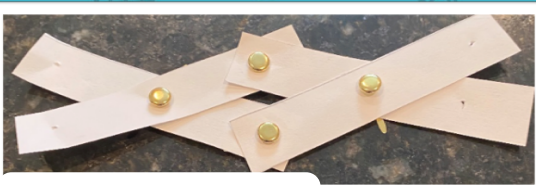


Step Five



This is what the back should look like.

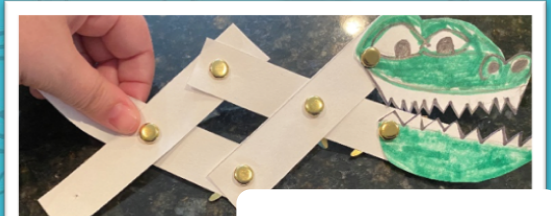
Step Six



Step Seven



Step Eight



Step Nine