Linkages

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

1900 Dalrymple Drive
Baton Rouge, LA 70808
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?