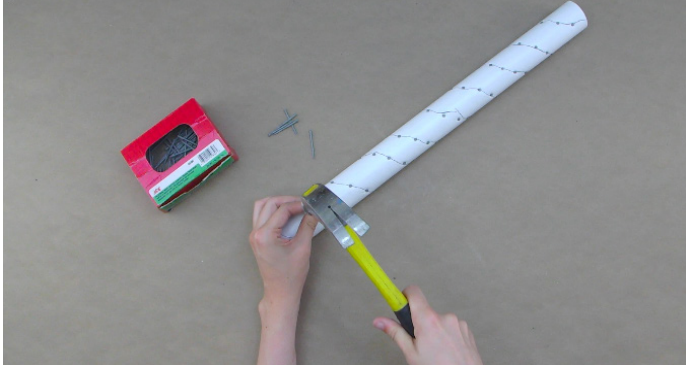
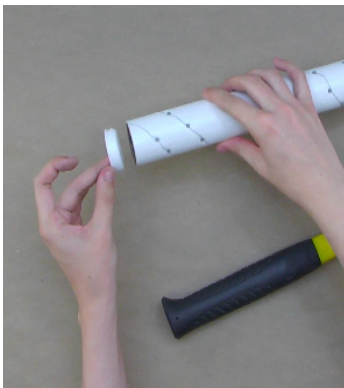


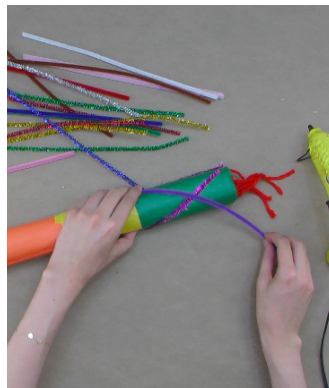
Rainstick



1. Add the nails. Hammer the nails into the tube in a spiral pattern or in a random pattern. » Avoid placing the nails in straight lines down the tube!



2. Add the noisemakers. Firmly secure one of the endcaps to the tube (it's a good idea to glue it on!) » Pour your beans, rice, or pebbles into the tube. » Firmly secure the other end cap onto the tube.



3. Decorate! Add tissue paper, pom poms, stickers, pipe cleaners, or any decorations you would like. » Tilt and shake your new rainstick to hear cool sounds!

Supplies

1 cardboard tube
2 end caps for the tube

Nails that are almost as long as the tube is wide

Beans, rice, or pebbles

Hammer

Glue (optional)

Optional decorations:

Tissue paper

Pom poms

Glitter

Pipe Cleaners

Stickers





Balloon Drum



1. Cut balloon. Cut the mouthpiece off of the balloon. Make sure that you use a balloon that is big enough to stretch over your container.

Supplies
Glass, metal or ceramic containers

Balloons (all sizes)

Scissors

Packing or masking tape



2. Place onto container. Stretch it over the container. You might need to put the container between your knees to help stabilize it before you secure it with tape.

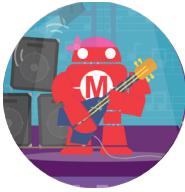


3. Tape it down. Tape the edges of the balloon down onto the container. Go around a few times so it stays on securely.

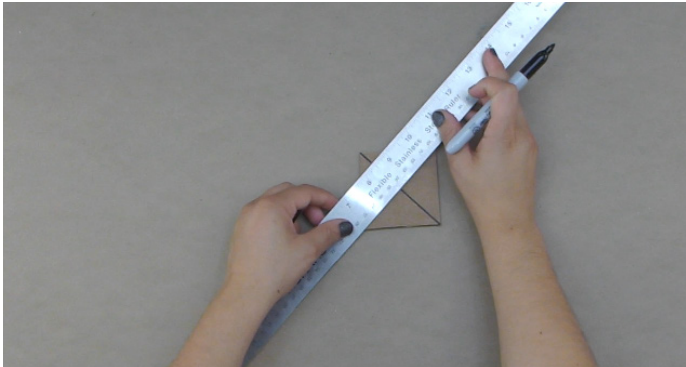


4. Play it! Use your hands or sticks, like chopsticks, to play your drum!

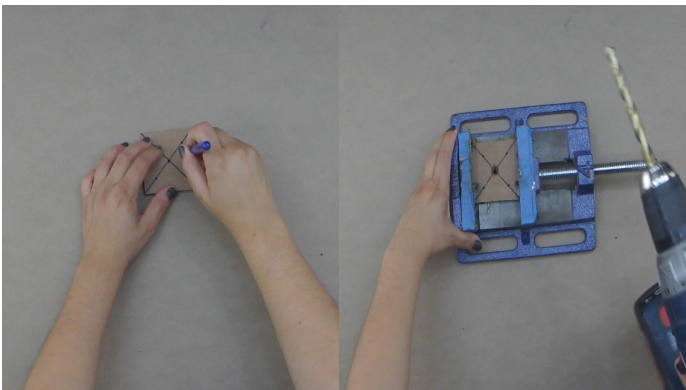




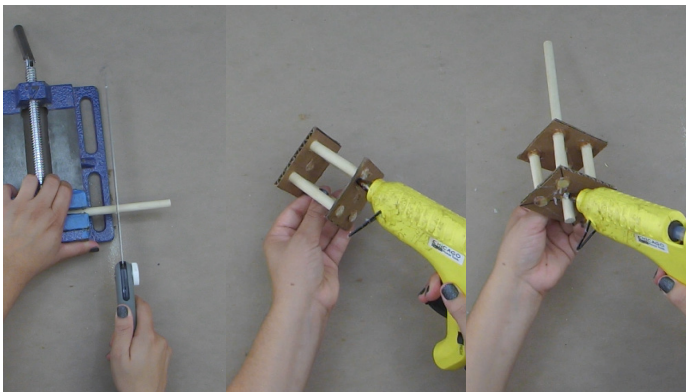
Matraca



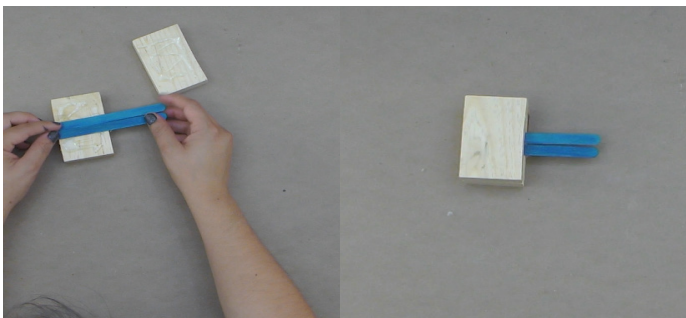
1. Find the center. Create an "X" on one of the cardboard pieces by using a ruler to create a diagonal line from one corner of the square to the other. » Make a second diagonal line to make the "X". » Stack this square on top of your other square.



2. Drill holes. Using an awl (or another pointy object), punch a hole in the center of the "X". » Make 4 more holes along the "X" lines about 1/2" inch from each of the corners. » Using a 25/64" drill bit and a vise, drill holes in each cardboard square where you marked the holes.



3. Build cardboard-dowel cube. Cut 4 dowel rods that are 2.5" each. » Stick a rod into each corner of a cardboard square. » Place the second cardboard square on the free ends of the rods so that you create a cube. » Use hot glue to secure each dowel-cardboard joint. » Feed the 9" rod through the center holes of the cube. » Secure it to the cube with hot glue, making sure you leave 1" of length above the cube on one side.



4. Glue sticks to wood. Glue two craft sticks between 2 small blocks of wood (approximately 1"x2"x3" each).

Supplies

2 craft sticks (popsicle)

19" wooden dowel (3/8" thick)

2 cardboard squares (2.5"x2.5" each)

2 pieces of wood at least 7" long

Masking or electric tape

3 small blocks of wood (1"x2"x3")

Sandpaper

Craft knife

Hot glue gun

Marker

Ruler

Awl

Hand saw

Drill

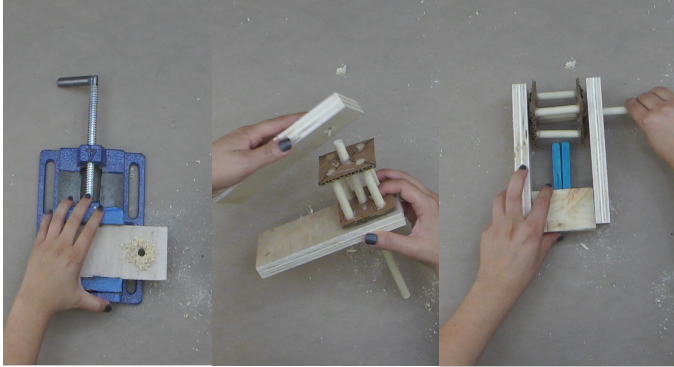
13/32" drill bit

25/64" drill bit

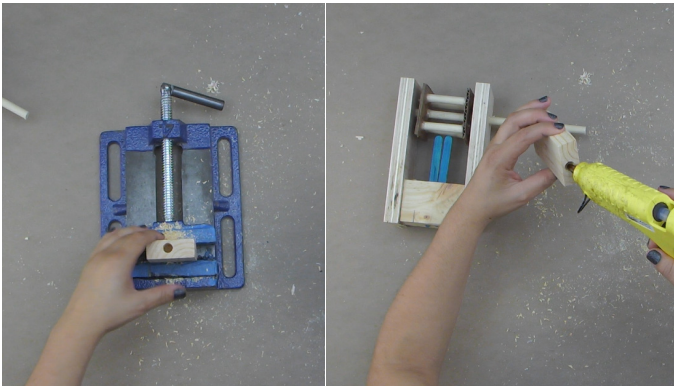
Vise



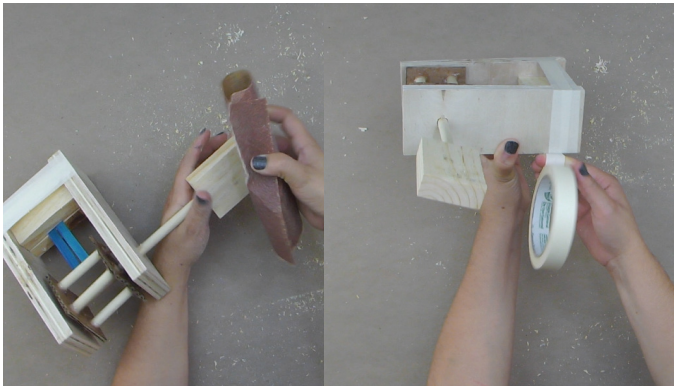
Matraca, continued



5. Assemble. Drill a hole about an inch and a half in from the edge of each of the longer wood pieces using a $13/32$ inch drill bit and a vise. » Slide the longer wooden pieces onto the dowel on either ends of dowel-cardboard cube. » Glue the block with the craft sticks onto the longer wooden blocks opposite to the cardboard-dowel cube (make sure to glue it in a position so that the craft sticks don't block the dowels too much).

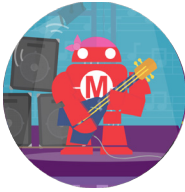


6. Add a handle. Drill about 1.5" inches into the center of your remaining small block on the smaller face (1"x2") with a $25/64$ " drill bit. » Add glue into the hole you just made then slide the dowel in there, use a hammer to help you if necessary. » Wrap sandpaper around a scrap piece of wood to help you sand the edges off the handle.



7. Finish it up. Wrap some masking tape around the end of the matraca where the craft sticks are glued.





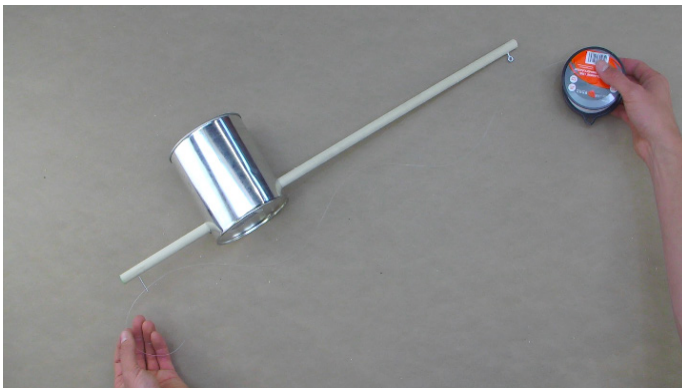
Canjo/Erhu



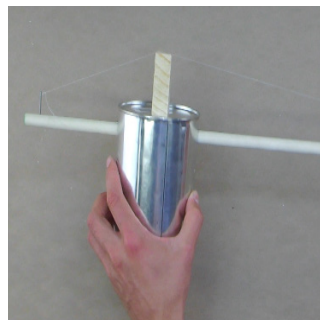
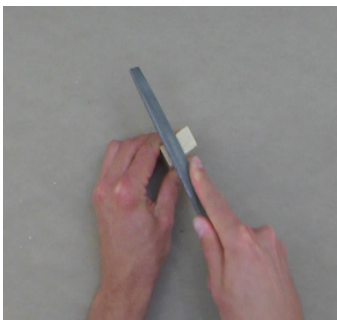
1. Drill the holes. Use a sharpie to make a mark 1 inch from the bottom of the can, and another mark on the opposite side of the can. » Put the small pilot drill bit into the drill chuck and tighten it. Drill a pilot hole into the marks you made on both sides of the can. » Switch out the pilot bit for the 1/2 inch drill bit. Widen the holes using the larger bit.



2. Make the neck. Pound the nail into one side of the dowel, about an inch from the end. » Slide the dowel through the holes in the can. » You want the dowel to fit, but not too loosely. You may need to use the drill to slightly widen the holes. » By hand, twist in the screw eye about an inch from the other end of the dowel, making sure that it lines up with the nail on the other side. Use the screwdriver to tighten the screw eye further.



3. Add the string. Cut a piece of fishing line to be slightly longer than the dowel. » Tie one end to the nail, and tie the other end to the screw eye. Make sure the line is taut.



4. Insert the bridge. Use the corner of a file to make a notch in the wood block. » Insert the block in-between the fishing line and the can. This raises the fishing line and also tightens it.

Supplies

Empty Paint Can

2 Feet of 1/2" Diameter Wooden Dowel

20-pound Fishing Line

Small Wooden Block (roughly 2"x1"x1")

Small Brad Nail

Small Screw Eye

Sharpie

Scissors

Small Screwdriver

Drill

Small Drill Bit

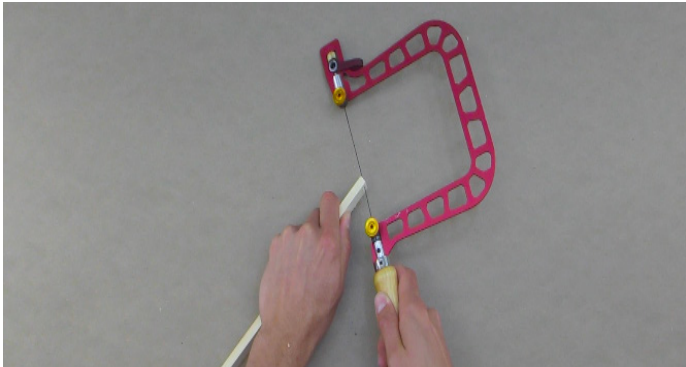
1/2" Drill Bit

Hammer

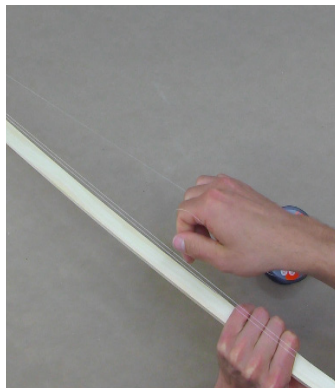




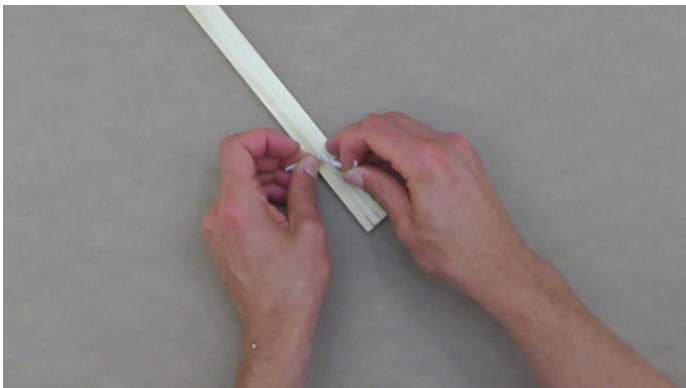
Musical Bow



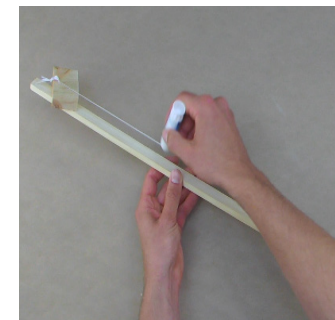
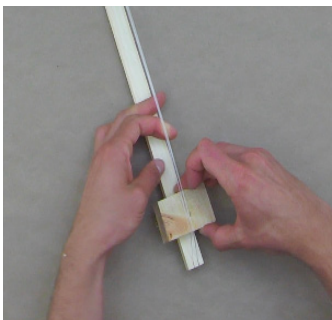
1. Cut some notches. Cut two notches in each end of the wooden strip with the coping saw. Make the marks roughly 1/2 inch deep, and space them out evenly.



2. Add the strings. Tie a loop in one end of the fishing line and hook it onto the notches in one end of the wood strip. » Run the fishing line to the other end of the strip, then slide it into one notch and back through the other notch. » Repeat this process 4-5 times.



3. Bend the bow. Bend the strip of wood slightly, and tighten the strings by tugging the excess slack through the notches. This may require a second person. » Tie off the fishing line by wrapping it around the notches several times, then cut the line from the spool. » Near each end of the bow, twist a twisty tie around the strings to bunch the strings together.



4. Tighten the strings. Insert the wooden block inbetween the strings and the wood strip to raise and tighten the strings. » Rub a glue stick on the strings to make them a bit sticky. Ideally, rosin should be used, but glue or rubber cement are decent substitutes.

Supplies

Long Bendy Strip of Wood (roughly 3"x1"x1/4")

20-pound Fishing Line

2 Twisty Ties

Small Block of Wood (roughly 2"x1"x1")

Coping Saw

Scissors

Glue Stick or Rosin if you have it

