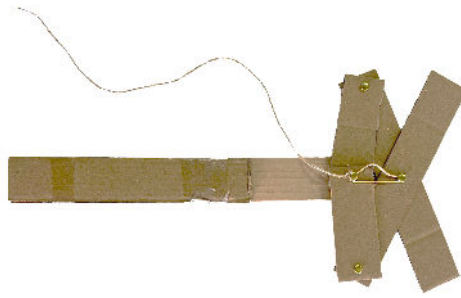
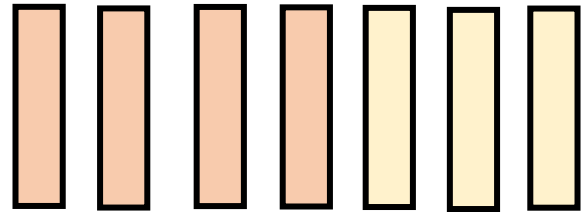




Basic Robot Arm Instructions



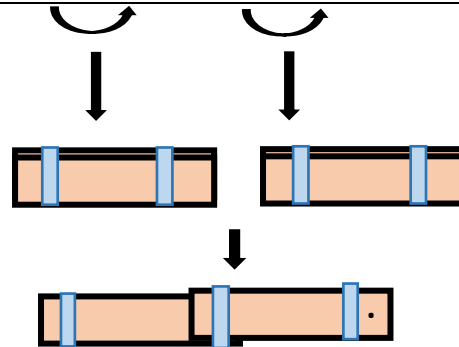
1. Cut out seven strips of cardboard, 4 cm x 22 cm. You can use scissors and a ruler to score the lines before you use the scissors to cut the strips out. Be sure to cut down the corrugation of the cardboard, not across it.



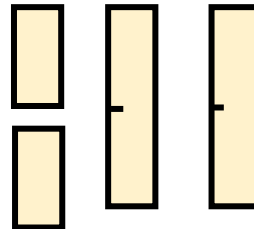
2. Take 2 strips and tightly tape them together to make a double layered strip.

Repeat this step with another two strips and then join the end of each double layered strips together with tape to make a long strong handle.

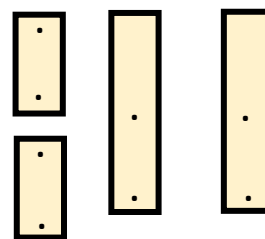
Use a pencil to poke put a hole through the cardboard 1 cm from one end.



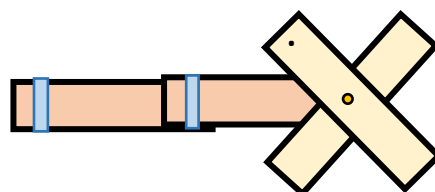
3. Use a ruler to find and mark the half way mark on the remaining 3 strips. Cut one strip in half.



4. Use a pencil to poke a hole in the top and bottom of the half strips, about 1 cm from the end. Put a hole in one end of the other two strips, about 1 cm from the end and a hole in the middle.

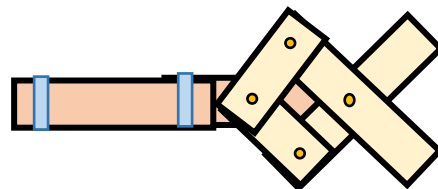


5. Take a split pin, push it through the holes in the middle of the two strips and into the hole in the handle. Fold the ends of the split pin back and put some tape over it.

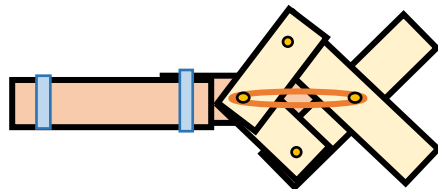


6. Use split pins to join the ends of the short strips to the long strips and then join the short strips together with a split pin.

On the reverse side, fold all the split pins back and place tape over them.



7. Use a rubber band to join the two heads of the middle split pins together.



8. Tie the string to the bottom split pin.

This is your basic robot arm ready for you to add a claw of your own design.

