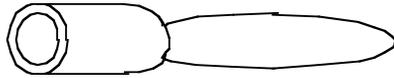


# Tips To Turning Toys

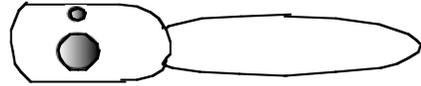
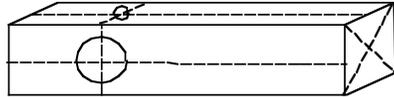
## Ball Tosses



Blank: 8"-9" long, 2 1/2" – 3" or larger in diameter.

Turn the blank so it's round. Secure the blank in a chuck and drill a 1 3/4" "cup" hole in the end that is approximately 1 3/4" deep (a forstner bit works well or you can hollow it out with a bowl gouge). Finish turning the cup, leaving the sides of the cup about 1/4" thick. Turn down the handle to a convenient shape that will be easy to hold by the intended user (smaller for a child's hand). Embellish and finish as desired. Part off and smooth end with sandpaper. Attach an 18" string to the handle and attach a wiffle ball to the other end of the string.

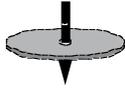
## Top Handles



Blank: 8"-9" long, 1 1/2" x 1 1/2" square. At 2" from one end of the blank and along the centerline of the blank drill a 7/16" hole through the blank. Repeat with a 1" hole on the other side of the blank. Mark the center of both ends of the blank. It is important that the drilled holes and turning axis all be centered.

Between centers, turn the handle round then shape the head, being careful to not make the sides too thin around the holes. Smooth any ragged edges on the holes. Then shape the handle to be comfortable to hold by the intended user. Embellish and finish as desired and part off the ends. Smooth the ends with sandpaper.

## Tops



Blank: 2 1/2" – 3" corian disk with a 3/8" hole in the center.

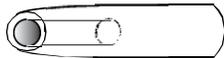
Also need a 3" piece of 3/8" hardwood dowel

Mount the disk on a pen mandrel using appropriate sized bushings. Turn the blank round and round off any sharp edges. Embellish, color and finish as desired.

Put a point on one end of the dowel rod (turn, sand, or pencil sharpener). Drill a 1/8" hole through the dowel rod at approximately 1 3/4" – 2" from the sharpened end. Push the sharpened end into the center hole in the corian disk until the tip sticks down about 1/2".

Put a drop of thin CA glue around dowel to glue it to the disk. Cut 18" of string and soak about 1/2" of the end with CA glue and let dry.

## Jump Ropes



Blanks: Two 5" – 7" long blanks about 1"x1" or 1 1/4" x 1 1/4" square.

Chuck a blank and drill a 7/16" hole about 2" – 3" deep into the end. Turn the handle round and shape, embellish and finish as desired (keep the handle dimensions convenient for easy holding by the user). Part off end and smooth with sandpaper. Chuck the second blank and repeat the process keeping the shape of the second handle the same as the first handle (they don't have to be EXACT matches but as close as you can make them). Glue appropriate length of 3/8" rope into each handle. Suggested rope lengths are:

Short: 72"  
Medium: 82"  
Long: 92"