

### Tic-Tac-Toe with a Storage Box

The self-storage Tic-tac-toe old game is a new twist on an old game. This project can be used to teach the boys about wood staining with shoe wax.

#### Materials needed:

1. 3 ½ " of 2" x 4" spruce/fir.
2. 5 blue, 5 clear marbles (or any 2 colors) (get from local craft store).
3. 1 - #8 x 1 ½ " sheet metal screw.
4. 3 ¼ " of screen door trim, ¼" washer, Phillips screwdrivers.
5. Sandpaper (120-150 grit), brown shoe wax polish, and white rag for buffing.

#### Before the meeting:

1. Cut the 21" x 4" block and the 3 ¼ " screen door trim.
2. Drill nine ½" holes in the top of the block (see photo), about ¼" deep (to hold marbles).
3. Drill two 5/8" holes (or large enough so that your marbles fit easily into the holes) about 3" deep into the side of the block for storing 5 marbles in each hole.
4. Drill 3/16" hole (so screw fits loosely in this hole) in center of 3 ¼" screen door trim.
5. Predrill 1/8" hole, centered, about 1" deep, into side of block (so the #8 x 1 ½ " screw will not split the wood).
6. Sand all parts on belt sander.



#### Assembly at the meeting:

1. Sand all parts.
2. Stain wood parts with brown shoe wax polish, buff with white cloth.
3. Attach the "door" (screen door trim) using a #8 x 1 ½" sheet metal screw, a ¼" washer and a Phillips screwdriver. Don't get it to tight or you will break the wood.
4. Have a Tic-tac-toe tournament.

Start 2 boys at each of number stations from 1 to...

Play best 2 out of 3 games; winners advance toward station 1. Loser stays at his current station, unless he is at station 1, then he must move to the highest numbered station, to start his way back up to the #1 station (table).