

Name _____

JudoBot Checklist

Remember...

- 50 craft sticks
 - 4 craft cubes
 - 12 cubes with holes
 - 10 bumpers
 - 5 extra woodcraft
 - The base must fit in a 10-inch square.
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Build the base

- Keep your base low to the ground
- Make your base heavy and wide; use about 25 sticks
- Glue the bumpers on

Build the stand

- About 7" tall
- Use a skewer to make sure the holes of the cubes line up

Build the arm and wedge

- Cubes with holes in the arm are about $\frac{1}{2}$ of an inch apart
- Layer sticks like bricks

Make a hydraulic system 2X

1. Fill a syringe with water (make sure no air gets inside)
2. Put the tubing on it
3. Push the air out of the tubing
4. Fill back up to exactly 10ml (make sure no air gets inside)
5. Attach the other empty syringe

Attach the hydraulics

- Tape the pivot piston to the base
- Tie the arm piston to the front of the pivot column