

# PHOENIXVILLE BED RACES

## BED BUILDING: 101

### **SUPPLIES**

- 7 2x4's
- 1 sheet plywood
- 2 ½" wood screws
- 1 5/8" wood screws
- 4 casters or similar wheels

### **DIRECTIONS:**

1. Cut plywood 6' x 3' section. Be sure to save extra for head and foot boards.
2. Cut 2 - 2x4's into 6' sections for the platform frame.  
(Be sure to keep remaining 2' to brace back post to side)
2. Create back posts (2) by cutting 2 - 2x4's into 4' sections
3. Create front posts (2) by cutting 2 - 4' sections from step 2 in half (2')
  - Use the remaining 2 - 4' pieces for bracing the front and back of platform frame (~3')
  - Use the remaining 1' pieces as added blocking for front/back posts to attach the caster wheels
4. Drill together two 4' sections to make the back posts
5. Drill together two 2' sections to make the front posts
6. Cut out corners of plywood (6'x3') to allow for brace and fit the posts (roughly 5" x 3.5")
7. Create platform base by drilling 2 - 6' sections and 2 - 3' sections together in a rectangle and attach to the plywood base with 1 5/8" screws.
8. Fit front and back posts through the windows in the plywood base.
9. Cross-brace the front and back posts between posts and drill together with 2 1/2" screws
- \* Be sure that total clearance from ground (with wheels) is at least 10", per regulations
10. Add a brace from the back post to the side on both sides of the bed frame.
11. Add extra plywood pieces as the head and foot boards.
12. Add extra 2x4 blocks to bottom of posts to allow base on which to add casters.
13. Decorate.
14. Race! (And celebrate!)

Be sure to refer to the Bed Building Guidelines at:  
[www.pxvbedraces.org](http://www.pxvbedraces.org)

