

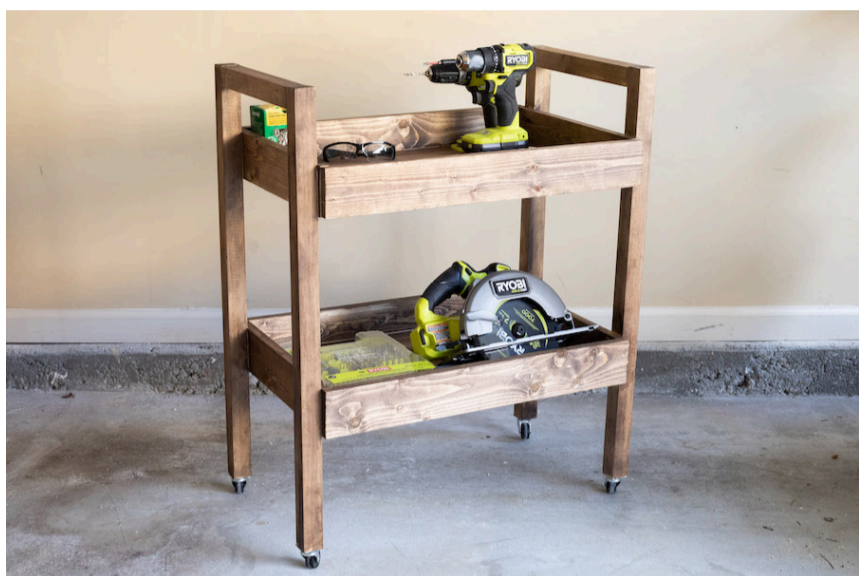
# DIY Workshop Utility Cart

By **Erin Spain**

Difficulty

Easy

Organize your DIY work space with this beginner-friendly workshop utility cart that makes storing your tools that much easier. Caster wheels are the perfect addition to make this cart as mobile as you are during your projects.



# Tools

## Kreg Tools

Kreg®  
Pocket-Hole Jig 520PRO  
[Kreg® Pocket-Hole Jig 520PRO](#)

Zinc  
Pocket-Hole Screws  
[Zinc Pocket-Hole Screws](#)

Zinc  
Pocket-Hole Screws  
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## Other Tools

Saw

Drill/ Driver

Sander

# Materials

## Wood Products

- 4 Boards , 1x4
- 1 Project Panel , 16" W X 4' L
- 3 Boards , 2x2

## Hardware & Supplies

- 4 Casters
- 1 Box Of ½" Screws
- 1 Box Of 1 ¼" Pocket Hole Screws (See Tools List)
- 1 Box Of 2 ½" Pocket Hole Screws (See Tools List)
- 1 Box Of 2" Wood Screws
- 1 Paint Or Stain

# Cut List & Parts

- 4 Frame , 1x4 Cut To 16" Long
- 4 Frame , 1x4 Cut To 25.5" Long
- 4 Legs , 2x2 Cut To 32" Long
- 4 U-Shape At Top Of Legs , 2x2 Cut To 12 ½" Long
- 2 Shelf Bottom , Project Panel Pieces Cut To 24" Long

# Directions

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1

## Cut Wood

Cut your wood to the cut list dimensions.



**2****Sand**

Use a random orbit sander to sand everything smooth.



### 3

#### Drill Pocket Holes

I used the Kreg Jig 520PRO to drill pocket holes as follows:

- 1 pocket hole at each end of both 12 ½" long 2x2 pieces
- 2 pocket holes at each end of (4) 15" long 1x4 pieces
- Pocket holes around the perimeter of each project panel (I drilled 4 on each side and 3 on each end)



# 4

## Build Shelves

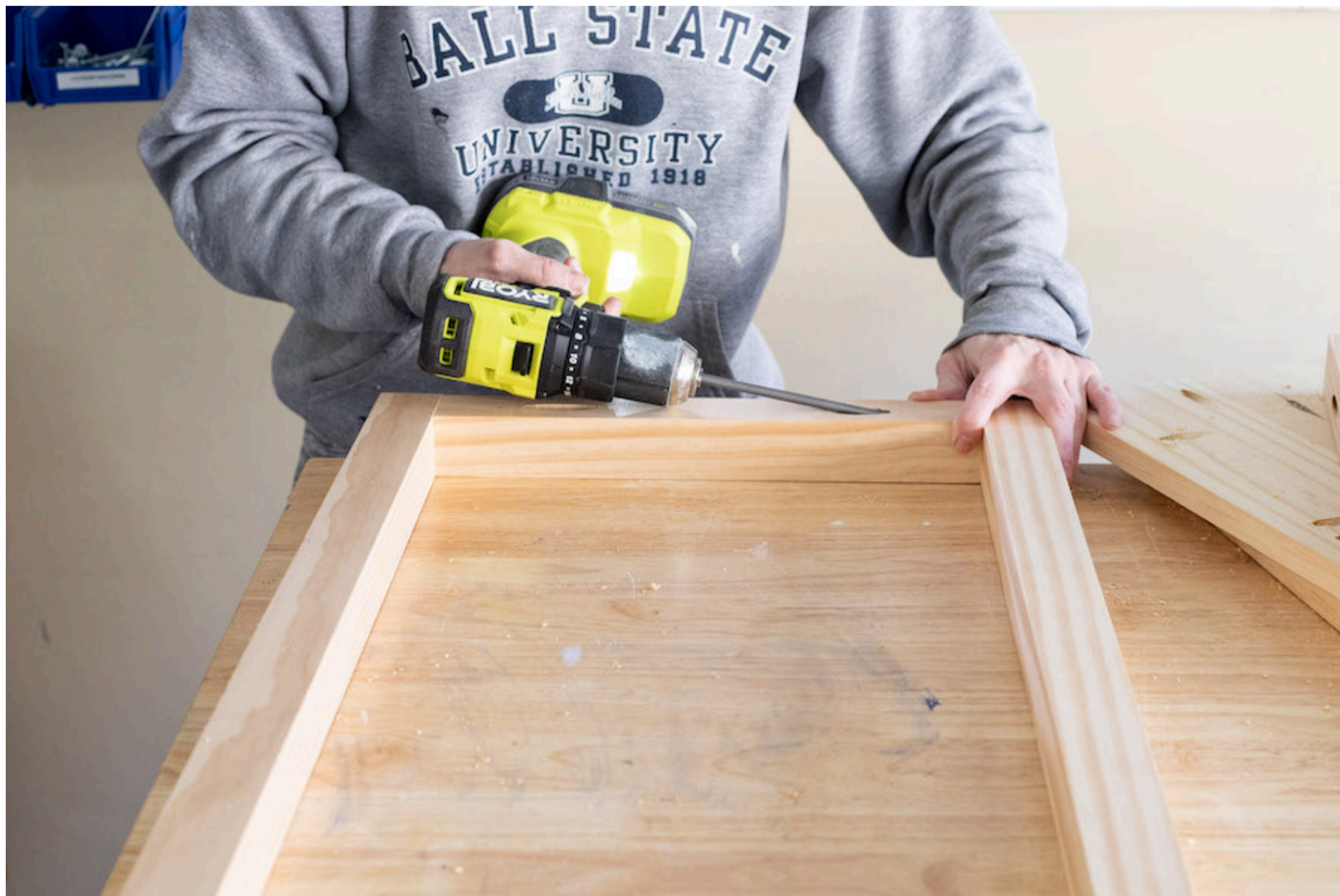
This utility cart has two shelves, so in order to build those I attached the shorter 1x4 pieces to the longer 1x4 pieces, forming two separate frames using 1 1/4" pocket hole screws.

Next, I attached each frame to a project panel (this forms the bottom of the box/shelf) using 1 1/4" pocket hole screws.



**5****Build Legs**

For the legs, I attached each of the short 2x2 pieces to two of the longer 2x2 pieces (perpendicular), forming a “U” shape. I repeated this process so I had two “U” shaped pairs of legs.



## 6

### Attach the Legs

Now it's time to assemble! I measured 5" down from the handle (the "U" shape part of the 2x2 pieces we assembled is the handle), and working with the cart on its side I placed my first shelf there. I attached it by drilling (2) 2" wood screws from the inside of the shelf into each of the 2x2 legs.

For the second shelf, I used a ruler as a spacer and placed the shelf 12" below the first one, attaching it the same way (2 - 2" wood screws into each leg).



**7****Stain or Paint**

I finished the cart using a Provincial wood stain. You can use the topcoat of your choice as well.



## 8

### Add Casters

The final step is to add casters after your paint or stain has dried. I flipped the cart on its side and attached small casters. I couldn't find any small enough so I improvised by just screwing into one side of the bracket since the bracket is a little too large for the 2x2. They still work just fine! I attached them using ½" long screws.

