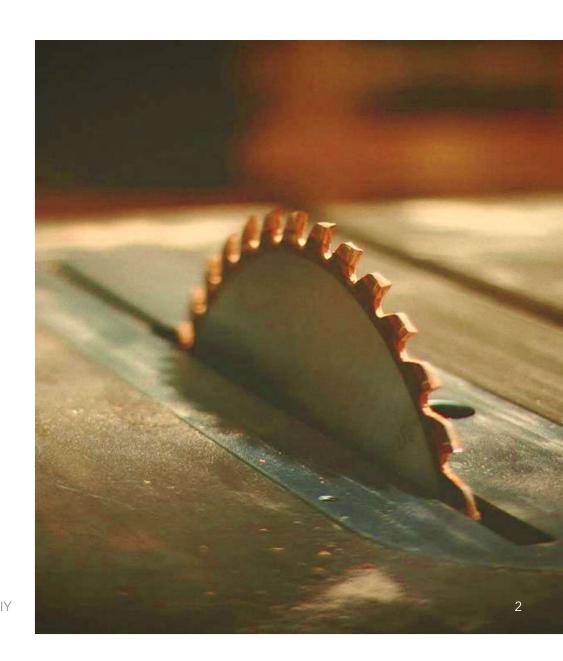


# Agenda

- Introduction
- Safety
- Tool overviews and where to find them
- Basic Designing
- Builds
- Questions



Capcon 2024 ABDL DIY

### Introduction

#### **A Little about Me**

Capcon 2024

- Active in the community for nearly 20 years
- Former U.S. Army Engineer Officer
- Chair-Person of Lake Erie Age Players (LEAP) an ABDL group in NE Ohio

 Founder and operator of www.BabyLeprechaunCreations.com

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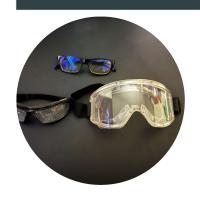


# Safety

- Safety around power tools and when doing a DIY project should be the #1 concern when making something.
- Always read the manual of the tool you are operating before using. (YouTube really helps)
- Safety Glasses
- · Gloves
- Ear protection
- Respiration protection



# Wear Protection!



#### RATED SHATTERPROOF SAFETY GLASSES

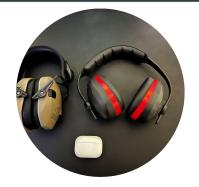
Many tools, such as saws and routers can eject debris and even bits of metal that are capable of taking out an eye



#### **WORK GLOVES**

A good pair of work
gloves can prevent
splinters and add a
layer of protection
from an accident with
a power tool

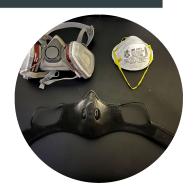
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#### **HEARING PROTECTION**

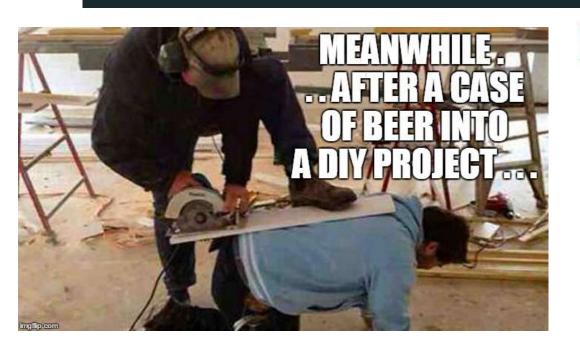
Many power tools operate at a high decibel level that can cause hearing damage or loss



#### RESPIRATION PROTECTION

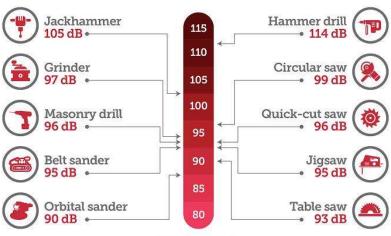
Actions such as sanding, or using certain toxic paints when airborne can cause serious breathing issues

# Know your Tools



#### **POWER TOOL DECIBEL LEVELS**

Protect your hearing with ear defenders or ear plugs whenever you're exposed to sounds louder than 85 decibels (dB).



EarDefender.co.uk

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Tool
Overviews
and Where
to Find
Them

## The Basics

7 Power Tools Every Woodworker Should Have from in the spruce



Circular Saw



Power Drill



Jigsaw



Random Orbital Sander



Table Saw



Compound Meter Saw



Router

Capcon 202<mark>4</mark>

**ABDL DIY** 

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# **Tool Adoption Centers**

WEST PRICES				
Elling recording to the second	Stores	Cost	Building Materials	DIY Brand
THE HOME DEPOR	Harbor Freight	<b>\$-</b> \$\$	No	Bauer
	Home Depot	\$\$-\$\$\$\$	Yes	Ryobi
	Lowes	\$\$-\$\$\$\$	Yes	Kobalt
amazon.	Amazon	\$-\$\$\$	Maybe	N/A

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(

Top Brand

Warrior

Milwaukee

Dewalt

N/A

# Tool Usage



**CIRCULAR SAW** 

**General Cutting** 



**POWER DRILL** 

Drilling holes/Driving Screws



**JIGSAW** 

Curve Cuts/General Cutting



**ROUTER** 

Rounding Edges/Cutting



**MITER SAW** 

**Cutting Lengthwise** 



**POWER SANDER** 

Sawdust maker



**TABLE SAW** 

**Cutting Width** 



**PLANER** 

Leveling/Surfacing

# **Before Purchasing**



#### ASK: WHAT DO YOU WANT TO DO?

What do you need to do on the project?



#### **DO THE RESEARCHIII**

What are the tool's capabilities? What do people say about it? Make sure it fits your needs.



#### COMMIT TO A PRODUCT LINE

Power tools from other Brands are not interchangeable in accessories. You need to find the brand that fills your needs.



#### CHECK WITH THE PROFESSIONALS!

YouTube is full of product reviews, demonstrations, and recommendations.
Just be careful to listen to someone who knows what they are talking about.

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# **Basic Designing**



Has someone else made it?
What did they use? Are there examples of it?

What features or things do you want to include in your build? How can you incorporate that in construction?

3

What
Materials are
required? Is it
possible to
repurpose
something
else for the
build?

Develop a series of steps to create



# Construction Planning



## **Material Database**

#### MATERIAL DISCOVERY

- Take time to discover what materials are out there that you can use to make stuff.
- Figure out what are the properties of the materials... Does it bend, rigid, weight bearing, paintable, glueable, hardward able, etc...
- Is it affordable? How much material is needed to complete your build and what will it cost?

#### **GREAT MATERIALS LOCATIONS**

- Wander around Big Box Hardware Stores
- Amazon

# Building

**SCRATCH BUILD** 

Creating something out of basic raw materials

**CONVERSION BUILD** 

Taking something already built and adding on to it

HYBRID BUILD

Combining
Scratch built
components and
Conversion built
items



- Feeder Gag
- Baby Gym
- High Chair
- Changing Table
- · Crib

ABDL DIY 17

# EPUSH ALL THE NAUGHTY MUSH AND ALL YOUR ADULT THOUGHTS INTO YOUR DIAPER~!]

Image used with permission and credit to 34Qucker

## Feeder Gag









Using an Enema kit (NEW) you can create a liquid gravity powered feeder modifying a paci gag or penis gag. Simply drill through the chosen gag and use nontoxic hot glue from a glue gun to create a liquid proof seal to one of the enema kit adapters.

(Safety disclosure: To prevent choking or drowning the user needs to be capable of removing the gag, closing the line, or have a partner to monitor the scene)

# **Baby Gym**



#### Need:

- 1. x2 10' PEX pole. Cut into x4 5' sections
- 2. x4 3/4<sup>th</sup> 6' plumbing insulation (pool noodle)
- 3. x1PVC X fitting 3/4<sup>th</sup>
- 4. x4 3/4<sup>th</sup> PEX couplers
- 5. x4 3/4<sup>th</sup> PEX end cap
- 6. x1 play mat or blanket
- 7. Nylon straps & Buckles
- 8. Fasteners/washers
- 9. Material to cover poles
- 10. Assorted baby hanging toys





Connect Nylon straps to play mat with opposite buckle to end cap. Then assemble.

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Glue the 4 couplers in the PVC 4 way. And connect clips to end caps



Cut Pool noodle to fit the PEX pole length. Then cover with cloth of choice and hang toys.



# Highchair (Easy)

Find a bar chair with arm rests and attach a wheelchair tray to it.

(This is a simple build, but the tray will not be adjustable, and the trays can be flimsy and do not feel like a genuine highchair.)





#### Need:

- 1. Base Chair
- 2. Highchair tray Brackets hardware (Amazon)
- 3. Tray (Either custom made from a sheet of wood or purchased.
- 4. Pieces of wood for arms/mounting
- 5. Wood Screws

# Highchair (Challenging)

Using an ordered chair, mount the pieces of wood to support the tray then affix with screws. Then line up the tray with the highchair tray brackets hardware and screw the hardware in with the provide screws in the kit.









To build the changing table, you will be converting a portable massage table to a solid changing platform.

#### You'll need:

- 1. Massage table (Amazon)
- 2. x2 1/4 inch sheet boards for the lower shelf
- 3. 4x4 posts (how many depends on your chosen table height and lumber availability
- 4. x2 8'x1.5" boards
- 5. x2 8'x1.5" boards
- 6. 24" 1"x1" Dowel
- 7. Wood screws
- 8. Wood glue

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The legs are connected by 8 Allen headed screws. Remove all 8 to remove the rickety legs.



Line up the new legs to where they will be placed and mark a 2" section, then using a router, remove a 1"x1" section. Then glue in a 1"x1" peg. You'll need to line the peg up and drill a hole using the original hole to secure the new leg.



With the old legs removed, you need to decide on table height, then cut the 4x4 posts to the appropriate leg height.

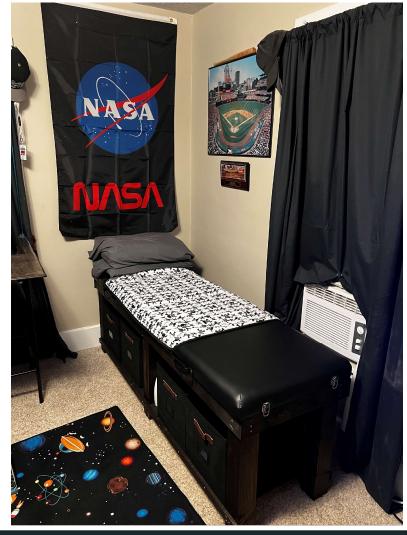


To install the lower shelve you'll need to cut two 1/4<sup>th</sup> channels on the two center posts and one on the inner side of the four outer legs. Measure and cut the sheets of boards to proper size for the shelf.





Once everything is properly cut, dry fit everything together before adding the original screws. Slot in the two shelves then measure and cut the 8' 3" and 1.5" boards. The 3" board should be flush with the upper section of the table and the 1.5" board is a lower brace even with the shelf.





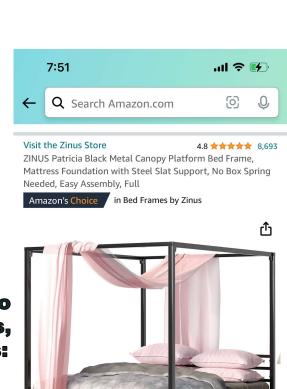
To build the crib you first need to select a bed size.

Queen – Full – Twin

This build incorporates a canopy platform bed that is rated for 700lbs. The crib experience is best experienced when using a box spring and mattress together. The exact parts needed can't be listed due to the various size possibilities, but a rough estimate is thus:

- 1. x2 8'x1.5"x1.5"(top length)
- 2. x2 8'x2"x3" (Top width)
- 3. x12 8'x3"x1/2" corners/bottom rails
- 4. x45 8'x1.5x1/2" (rails)
- 5. x3 Hinges, wood screws, x12 Large Corner Brackets, Handle

ABDI DIY







Building the crib takes some trial and error. The key is getting the measurements right before cutting. Once that is done, use clamps to hold the rails in place.

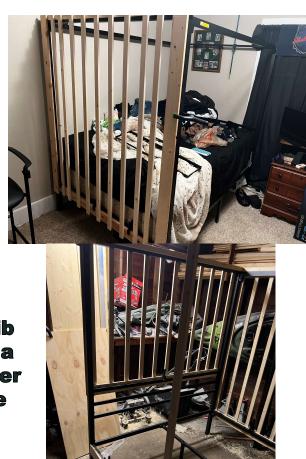
The crib is built in 4 sections, Headboard, footboard, rail side and gate side. Secure the top and bottom rails with the corner frames. (Think like a puzzle doing the edge first)





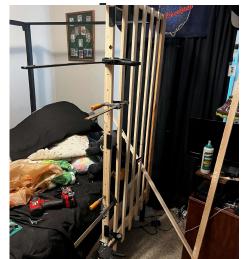
Installing the rails is tedious, but measuring is key. Start the first rail from the middle of the frame. The spacing should be 4" in between each rail. Depending on what size crib you are building there will be 3-4" of space on the end rails.

The headboard of the crib will be nearly a foot and a half shorter than the other rails due to the bedframe design, but with a box spring and mattress this isn't noticeable.



The gate side is constructed in two haives. The immovable side is the same as the other rails except the middle rail has an additional piece perpendicular that the hinges and swinging gate will attach.

It is recommended to take measurements of the gate and to build it separately on a flat surface. It will make the build process easier.





Once all four sides are completed they can all be hung together and secured with 12 corner brace brackets. Three to each side. These brackets will hold the four sides of the crib together.

The brackets should be high middle and low on all four corners to prevent instability. Once the Brackets are installed you should be done.





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