Wooden Shelf

Engineering R&D S21

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Problem Definition: Wooden Shelf

GOAL: Create a wooden shelf for my belongings

Primary Functionality:

-securely hangs on hooks off the wall

-securely holds objects

Secondary Functionality:

-easy to move from wall to wall

-can be any color, size

Inspo

Overview:

-sits on my wall

-can be used to hold personal items

Pros:

-my style of liking

-looks good in my room

Cons:

-takes up wall space

-can fall if heavy objects are put on it

-may be fragile

Takeaways:

-adjustable yarn for the height

Takeaway Summary / Thoughts

-I need to figure out how much weight can be held on the shelf.

-There's many images I have seen on pintrest, google on the way people style diy wooden shelves.

-I've seen these shelves go for a pretty high price.

-It can get difficult trying to get it on a balance level

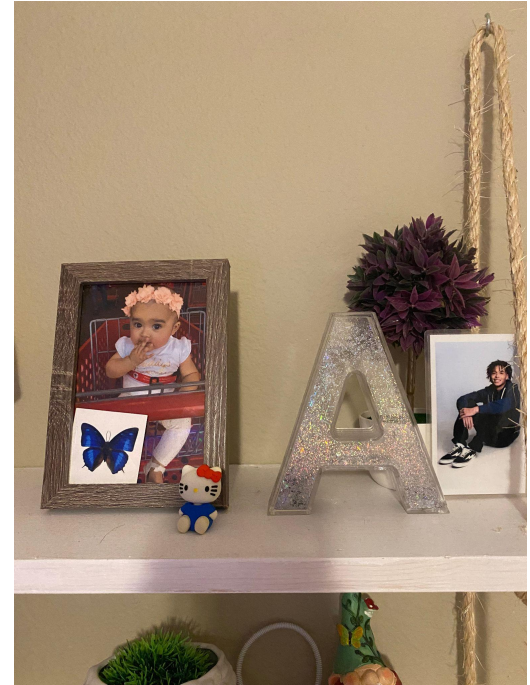-It's going to be such an exciting experiment getting to make something in my liking!
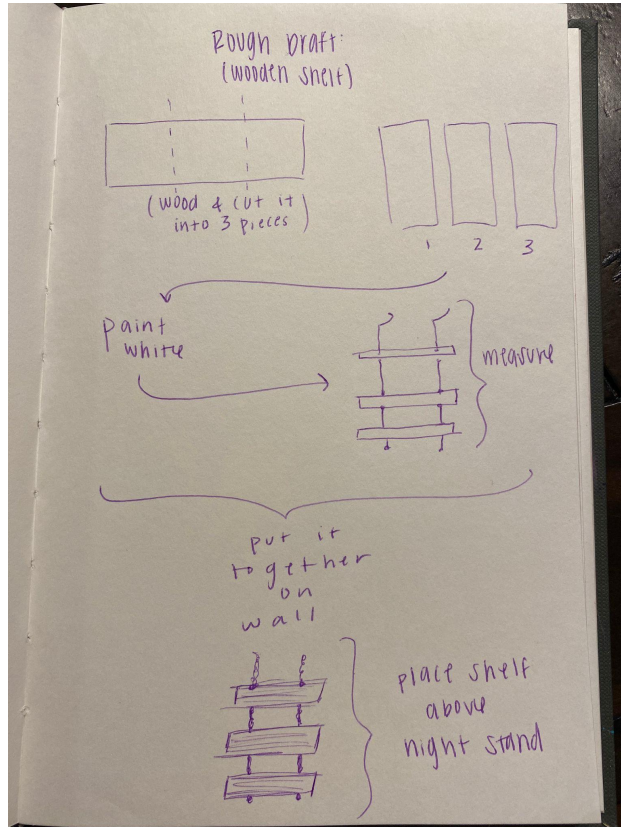
What's on the shelf?

★ picture frames

★ objects

★ crystals

★ night lamp

Rough Draft Design

Notes:

- ❏ Maybe leave the design how it is?
- ❏ How big do I want the shelf?
- ❏ Make sure it's able to hold on the hooks off the wall

Challenges

- ❏ Making the drill hole into the wood with it all matching each other

- ❏ Getting the wood blocks to be stable enough to hold objects

- ❏ Finding out the right measurements for the length I am wanting

- ❏ Having to move my room around in order for the wooden shelf to fit perfectly on the wall without it looking squished

Final Draft

★ This is the final product that I have and decided to place it on top of my night stand. I gave it my own touch by adding a picture of my two love ones that are no longer with me and adding cute little items on the shelf