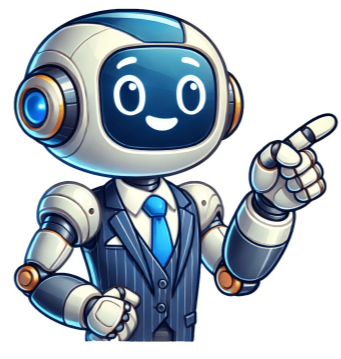


I'm not a bot

































mounted.This shelving system is so poplar because of the installation method,just studs to studs in the wall, wherever you want a shelf. Then screw a second layer of 2x4s over the first. Then add legs. Remove the second layer of 2x4s and pull appart. Add in 2x4s between to get the desired depth of garage shelves. Then just add plywood to the top.Workbench idea: This same system can be used to build workbenches, just build to the desired work height, and add a pegboard or other shelving on top.Question: How deep should garage shelves be?24" deep is ideal for totes, but 16" is an option for narrower spaces.Question: How thick should plywood be for garage shelves?For the 24" depth, use 1/2". For the 16" depth, you can use 3/8". This type of shelving is fully supported on the front and back with 2x4s.Testimonials - What real people are saying about the fixed shelf plans.Thanks for fantastic plans Ana!! My 12yr old son and I knocked these out in an afternoon.Guest submitted brag post!m so grateful for these plans! ... This project was so fast and easy -- I put them together one night after the kids went to bed.-Utility Room Shelves by Guest Brag PostWanted some easy storage shelving that didn't break the bank. These were perfect! ... Lumber was only \$58.68 and I bought and extra 8 foot 2x4, so it could have been slightly cheaper!Very Easy Garage Shelving Brag Post by GuestPersonal testimony:I love how this project turned out, and went on to build it multiple times!Bottom line:If you have a stud wall to anchor shelving to in your garage, this is THE must build project and will result in heavy-duty lifetime garage shelving that can store just about anything.The full tutorial is here,please do share if you build. QUICK AND EASY: DIY Garage Storage - Freestanding, all 2x4sPLANS: Freestanding Garage ShelvingMaterials: 2x4 framed with 2x4 slats on top, shelves can have gaps in betweenBut what happens if you have concrete garage walls? Or are renting and can't build a permanent shelving system? Or maybe you just want storage shelves that are super quick and easy to diy.Bottom line: If you need quick and easy shelving, this is the one.This method, the freestanding garage shelving, is so easy to build, it's faster than assembling flat pack shelving. Just build the leg sets, and thread 2x4s in between.The benefits of this type of shelving is less wasted space of the shelving boards, economical design, easy to build, and you can build in just about any size. So you can make a unique storage system, quickly and easily!What people are saying about Freestanding Garage Shelving Plans:This was an easy project to complete in an afternoon that does not require any advance woodworking skills.-Great Plan for Garage Shelf by edapinaVery easy garage shelving!-Great Shelving, easy to do by familymed doc! LOVE how these turned out! They are a strong as a ladder (we tested them, ...) and they hold everything I need them to, and a little bit more. It's a definite improvement on my previously messy, cluttered, saw-dust covered space ...)-2x4 Garage Shelves Built into Basement Storage by NoelleskayaThe project was actually pretty easy and really only took me about a days worth of work-Loving These Shelves by woody31IThank you for the plans! Love the shelves!-Guest submitted brag postThis is my first project ever built. I can't thank you enough for this site. I already have several other projects I want to build around the house because of this site. Thank you so much!-Garage Shelves by QueequegGarage cabinets system with drawers:Thanks to Ana's 2x4 storage plan and a neighbor's discarded kitchen cabinets we now have a very clean and convenient storage area in our garage. It even features a work bench and sorting area. Estimated Cost: 40-50 dollars.-Garage Storage by SmokeydogBEST OF BOTH: The Space SaverPLANS: 2x4 Storage ShelvingMaterials: 2x4 framed, attached to wall, 1x6 boards for shelving (can also use plywood or 2x4s)!If you need maximum storage in a smaller space, put the time into creating a just right solution for garage organization. This fixed shelving system has thin shelves for maximum space, but uses an attached to the wall design for added durability and strength. Bottom line: If you have the time and not the space, this is the one.FAQ About Garage OrganizationHow should I organize my garage storage?Put away largest, bulky items first. Then hang on hooks frequently used items like shovels, extension cords, brooms, rakes, bungee cords, helmets and gear. Label each hook. Now organize everything else into storage containers that are labeled. Smaller items should be placed in smaller containers. When finished, all belongings will be put away and nothing should be stored on the garage floor. How do I store large things in my garage? Build heavy-duty garage shelves in a deeper depth, but leave out the bottom shelf. Heavier items can be rolled under, lighter items can be stored on shelves. What is the cheapest material for shelving?2x4s. How high should shelves bin a garage? You can go floor to ceiling, but after 6 feet tall, it is very hard to access the shelving. So only place very rarely used items, or lightweight items like sleeping bags, on high shelves.How much space do you need between storage shelves? For household items, 12" is a good height. For garage shelving with totes, go for a 16" height. In this post, I'm sharing how to add extra storage to your garage with these easy DIY wall shelves made from 2x4s and plywood! My parents garage has high ceilings and plenty of wall space for storage. Butuntil this project, they were empty. So we decided to add some super quick and easy storage space with these simple, but sturdy wooden shelves. They only took about 10 minutes to build and 10 minutes to hang and are easy to customize to any size you need. So if you need an easy weekend project to add some organization and storage to your space, I'm sharing how we made these below. \*This post contains affiliate links. See website policies. These shelves are easily customizable to whatever length(s) you need. You can also install multiple rows of shelves, if you want them to go floor to ceiling. The shelf supports install directly to the wall studs, so you can add more supports to make a longer shelf, or less to make a shorter shelf. Keep in mind that wall studs are typically spaced out 16 on center. In our case, I installed them to every other stud so they were approximately 32 apart. If your planning to store totes on your shelf (or shelves) like we did, I recommend measuring your totes before building so that you can modify the depth/length as needed to fit. These are the storage totes I used for this project, and I made this shelf 19 deep. As far as weight limits, I'm not sure exactly how much these will holdit depends on several factors. But, I hung on the supports after I screwed them to the wall, so I know each support can hold over 100 lbs. Are DIY projects your thing? Sign up for our newsletter for priority access to the latest projects and build plans! This is such a quick and practical build you can easily complete in under an hour. It only takes about 10 minutes to assemble and 10 minutes to install (at least thats about what it took for my one shelf). Materials: (2) 2x4x8 boards (for one 8 long shelf) (1) 2x8 (half sheet) plywood (for one 8 long shelf) 3 long wood screws 3 long lag screws Storage Totes The shelf supports are assembled from 2x4s. So first, I cut three pieces of 24 for each support4 total. The top piece was 19, the back piece was 17 . And I cut the third piece with 45 degree mitered ends so that the longest side was about 22. Once the pieces were cut, I assembled them together using 3 wood screws. I found it the easiest to screw the straight pieces together at a right angle first. Then, I added the angled piece between them. Make sure when assembling, the supports stay square and level. I made four of these supports total. I marked the height on the wall I wanted to mount the shelf, then used a level to draw a line across the wall at this height. You can install yours however high youd like. Then I used a stud finder to locate the wall studs along this line. Once I found the wall studs, I used the level to mark a vertical line on the wall at each stud. You dont have to do that, but I helps me see better to line up the supports vertically. I screwed each shelf support into a wall stud with three 3 lag screws making sure to keep them level to each other. TIP: Keep in mind that if you hang them up high, youll need a ladder to access. I dont recommend storing heavy items up high as they may be difficult to get down using a ladder. Use the level to ensure the shelves are level to each other, but also level vertically. After the shelving supports were installed, I needed to add the actual shelf. For this, I ripped a piece of plywood to 19 wide x 96 long to fit over the supports. RELATED: How to cut plywood sheets Once the shelf was placed on top, I secured them to the supports using 1 wood screws from the top. NOTE: You dont have to use plywood for the shelf if youd rather use a different material. You can use 1x lumber or 2x lumber laid across the supports for shelving instead. And now this simple garage shelf is installed and ready for storage! We used these large storage totes to store seasonal decorations up high and out of the way. If you wanted, you could add several rows of shelves all down the wall for tons of storage for Looking for more garage storage and organization ideas for your space? Here are a few of my favorites! DIY Garage Cabinets Scrap Wood Cart EASY DIY Lumber Rack Workbench with Drawers Lazy Susan Garage Cabinet Scrap Wood Clamp Rack If you enjoyed this post and would like to save it, dont forget to pin it or share to your favorite social channel! Until next time, friends, happy building! Need garage shelves? Here are 15 easy-to-build DIY garage shelves with tutorials and plans that are great beginner projects. Garages tend to get cluttered very quickly. We store more than just our cars from bikes, kids play toys, sports equipment, seasonal decor, or a woodworking workshop (like me)! One of the things about our garage clutter that drives me crazy is that it acts as a holding spot for items that dont have an immediate spot or boxes that we might need for returns and more! Not having enough floor space in the garage can not only be frustrating, but it can also be dangerous as it creates tripping hazards. The best solution for organizing the garage is to go up vertically, which means garage shelving. Building your garage shelving is relatively easy and is a great beginner-friendly project. What is the best thing about DIY garage shelving? It can be easily customized to fit your space no matter the size of the garage you have, and they are an easy DIY project anyone can do. With custom-built shelving, you can store tools, tool cases, plastic storage bins, and even heavier items without fear they will get damaged. Even if you arent blessed with the big garage, you can add the shelves you need in your limited space. Plus, not only is it cheaper to build your own garage shelves versus buying them, you can also make them much sturdier! Check out this post to learn how you can use garage shelves for storage. 24 boards are most commonly used to build shelf frames because they are strong and relatively cheap. If you are in an area where moisture seeps in through the garage floor, you want to use pressure-treated lumber. Regarding the thickness of the plywood for the shelves 1/2 and 3/4 thick plywood are a good option. If you store heavy items on the shelves, 3/4 plywood is the best option. Here are 15 ideas for DIY garage shelves that work for almost any situation and come with plans and detailed tutorials for you to be able to build your own. Have you ever thought of using floating shelves in your garage? These heavy-duty garage storage shelves are perfect anywhere you need extra storage. Put them above your workbench or in an unused corner. They are a beginner-friendly DIY woodworking project you can do in an afternoon using plywood and a few essential tools. Will they hold everything you need them to? I load-tested them, so you be the judge. Plans and tutorial here. Build this wall-mounted garage shelf using 2x4s and just a few basic tools. Its an inexpensive garage storage solution you can build in a day. Mounting 2x4s to the wall on two sides gives this shelving unit stability and durability. Spanning 8 feet its perfect for a corner of your garage with three shelves and room for storage underneath. Get the plans here. Using vertical space is great for creating long shelves on a garage storage wall. You could use store-bought brackets for your shelves, but making your own brackets means they wont bend.This DIY project is a bit more advanced but doable for anyone. The shelf brackets for these DIY garage shelves are made using a cantilever design and wall cleats. That may sound intimidating, but it isnt! Learn how to build your own here. Wall-mounted storage in the garage is a great way to use vertical space. These garage shelves are easy and inexpensive to make using 2x4s and plywood. Attaching the ceiling studs to joists in the ceiling with lag bolts will ensure that your garage shelving wont come down. Full tutorial here. Pull out shelves in the garage? Heck yeah! This garage shelving idea makes getting to what you put at the back of the shelf easy. Pulling the shelf out allows you to make them deeper for more storage space. This DIY project also uses 2x4s, and youll want heavy-duty drawer slides to ensure your pull-out shelves will pull their weight. Tutorial and plans here. Customize this free-standing garage shelf for what you need to store. Each 4-foot section will only cost you about \$30 to make. No fancy tools are required to make this DIY shelving unit, and you only need 2x4s for the frame and OSB for the shelves. Tutorial and plans here. Using just a single sheet of 1/2 plywood, you can make this paint storage shelf for your garage. Its freestanding, so you can put it anywhere you need it. Assembling this garage shelf with pocket holes makes it sturdy enough to hold paint cans, and you can customize the distance between shelves to suit your needs. Tutorial and plans here. Open-faced shelves are great anywhere in your garage to use vertical space. Being open-faced, nothing is secured vertically to the fronts of these shelves. Check out how to build these garage shelves yourself! You might also like: When it comes to garage organization,wall shelvescan be a game-changer. They help you maximize vertical space, keep the floor clear, and make it easy to access tools and supplies. The benefits of building your own wall shelves in the garage are numerous from cost savings to customized sizing. In this comprehensive guide, we will walk you throughhow to build wall shelves in a garageusing basic tools and materials. By the end of this article, youll have a sturdy and efficient storage solution tailored to fit your garages needs. Building wall shelves in your garage offers several advantages that can significantly improve your storage space and overall organization: Maximizing Vertical Space: Garages often have a lot of unused vertical space. Wall shelves enable you to take advantage of this space, allowing you to store items off the floor. Keeping the Garage Floor Clear: By moving items up onto shelves, you free up valuable floor space. This makes it easier to park your car, move around, and keep the garage clean. Easy Access to Tools and Supplies: Wall shelves provide a convenient way to store and organize tools and supplies. Everything you need is within easy reach, making your garage more functional. Enhancing Garage Organization: A well-organized garage is not only more efficient but also safer. Wall shelves help you keep everything in its place, reducing clutter and minimizing the risk of accidents. Building your own wall shelves is a cost-effective alternative to purchasing pre-made shelving units. Heres a simple cost breakdown for DIY garage shelves: ItemEstimated CostTwo 2x4x8 Boards\$6 \$10 eachOne 2x8 Sheet of Plywood\$20 \$30Wood Screws\$5 \$10Lag Screws\$5 \$10Totals\$36 \$60 Compared to store-bought shelving units, which can cost upwards of \$100, building your own shelves is a much more affordable option. Plus, you get the added benefit of customizing the shelves to fit your specific needs. To build sturdy and reliable wall shelves, youll need the following tools: Miter Saw or Circular Saw: For cutting the 2x4s and plywood to size. Stud Finder: To locate the wall studs where youll attach the shelf supports. Power Drill: For drilling holes and driving screws. Screwdriver: For tightening screws. Tape Measure: To measure the dimensions of your shelves and the wall space. Level: To ensure the shelves are installed straight and even. Ive compiled a list of all of the tools I use for my DIY projects. These are tools that have stood the test of time and I can confidently recommend them. Check them out here. Heres a list of the materials youll need to build your garage wall shelves: Two 2x4x8 Boards: These will be used to create the shelf supports. One 2x8 Sheet of Plywood: This will serve as the shelf surface. 1 Wood Screws: To attach the plywood to the supports. 3 Wood Screws: For assembling the shelf supports. 3 Lag Screws: To secure the supports to the wall studs. Storage Totes(optional): Great for organizing items on the shelves. By gathering these tools and materials, youll be well-prepared to start building your garage wall shelves. Before you start cutting wood and assembling your shelves, its crucial to take the time to plan and measure properly. This will ensure your shelves are the right size for your needs and securely attached to the wall. Determine the Size and Number of Shelves: Consider what youll be storing on the shelves. Measure your storage totes or bins to ensure the shelves are deep and long enough to accommodate them. Decide how many shelves you want to install and how much space you need between each shelf. Measure the Wall Space: Use a tape measure to determine the available wall space in your garage. Take note of the height, width, and any obstructions like windows, doors, or electrical outlets. Marking the Wall Studs: Most wall studs are spaced 16 inches apart, but for this project, youll be installing supports on every other stud, approximately 32 inches apart. Use a stud finder to locate the studs and mark their positions on the wall with a pencil. Once you have your measurements, its time to cut. This will help you stay organized and ensure you dont miss any pieces.Cut 2x4s into Three Pieces for Each Support:19 top piece, 17 back piece, 22 piece with 45-degree mitered ends. Cutting the Plywood: Rip a piece of plywood to 19 wide and 96 long. This will serve as the shelf surface. With all your pieces cut, you can start assembling the shelf frame. This is where your shelves will start to take shape. Assemble the Shelf Supports: Using the 3 wood screws, assemble the cut 24 pieces into a support frame. Ensure the supports remain square and sturdy. Youll need to create four supports in total.Top Piece: Attach the 19 top piece to the 17 back piece, 45-Degree Brace: Attach the 22 piece with 45-degree mitered ends to provide extra support. Securing the Frame with Wood Screws: Make sure the frame is securely fastened together. Double-check that all angles are square and the frame is sturdy. Now that your shelf frame is assembled, its time to install it on the wall. This step requires precision to ensure the shelves are level and securely attached to the wall studs. Attaching the Shelf Frame to the Wall Studs: Mark the desired shelf height on the wall and use a level to draw a horizontal line. Locate the wall studs and mark vertical lines where the supports will be attached. Ensuring the Frame is Level: Before securing the supports to the wall, double-check that they are level both horizontally and vertically. This will ensure your shelves are straight and even. Securing the Supports to the Wall Studs: Use 3 lag screws to attach the supports to the wall studs. Make sure the supports are evenly spaced and securely fastened. Attaching the Plywood Shelf: Place the plywood on top of the supports and secure it using 1 wood screws. Ensure the plywood is flush with the edges of the supports. For added stability, you may want to install additional shelf supports or brackets, especially if you plan on storing heavy items. Installing Additional Supports: If needed, install extra supports between the main supports to distribute the weight more evenly. Using Brackets: Metal brackets can provide additional support and stability. Attach them to the wall studs and the underside of the shelves. Selecting the right materials is crucial for building sturdy and long-lasting garage wall shelves. Here are some tips to help you choose wisely: Types of Wood and Plywood: Opt for high-quality lumber likepine or firfor the 2x4s. For the plywood, a thick sheet is ideal for supporting heavier items. Avoid using particle board as its less durable. Heavy-Duty Options for Heavier Items: If you plan to store heavy tools or equipment, consider using2x6sinstead of 2x4s for the supports. You can also double up on the plywood or use thicker plywood for added strength. I have a dedicated article on the best type of wood for garage shelves. For a more detailed and informed decision, I recommend you check it out. Stability and Safety are paramount when building wall shelves in your garage. Follow these tips to ensure your shelves are secure: Double-Checking Measurements: Measure twice, cut once. Double-check all your measurements before cutting and assembling the shelves. This will help prevent errors that could compromise the stability of the shelves. Properly Securing Shelves to Wall Studs: Always attach the supports to wall studs, not just drywall. Use a stud finder to locate the studs and mark their positions. Secure the supports with3 lag screws to ensure they are firmly attached. To get the most out of your new garage wall shelves, consider these strategies for maximizing storage space: Utilizing Storage Bins and Totes: Storage bins and totes are excellent for organizing smaller items. Label each bin for easy identification and stack them neatly on the shelves. Organizing Items by Frequency of Use: Place frequently used items on the lower shelves for easy access. Store seasonal or rarely used items on the higher shelves. This way, you wont have to move things around constantly. One of the most common mistakes is rushing into the project without a proper plan. Heres why planning is essential: Importance of a Detailed Plan: A detailed plan helps you visualize the final product and ensures you have all the necessary materials and tools. It also helps you avoid mistakes that could lead to wasted time and resources. Consequences of Poor Planning: Without a plan, you may end up with shelves that dont fit your space or arent sturdy enough to hold your items. This can result in a lot of frustration and additional work. Using the wrong materials can compromise the integrity of your shelves. Heres how to avoid this mistake: Issues with Weak Wood or Screws: Low-quality wood can warp or break under the weight of your items. Similarly, weak screws can strip or snap, causing the shelves to collapse. How to Choose the Right Materials: Invest in high-quality lumber and screws. It may cost a bit more upfront, but it will save you money and hassle in the long run. Attaching shelves to drywall instead of wall studs is a recipe for disaster. Heres why: Risks of Attaching Shelves to Drywall: Drywall isnt strong enough to support the weight of your shelves and the items youll store on them. The shelves could pull away from the wall, causing damage and potential injury. Finding and Marking Wall Studs: Use a stud finder to locate the wall studs. Mark their positions clearly so you know where to attach the supports. This will ensure your shelves are securely anchored. Also: How to Hide Garage Shelves: 5 Genius Ideas! The weight capacity of your DIY garage wall shelves depends on several factors: Factors That Influence Weight Capacity: The type of wood, the thickness of the plywood, and the number of supports all play a role in determining how much weight your shelves can hold. Properly securing the shelves to wall studs is also crucial. Tips for Reinforcing Shelves: Use additional supports or brackets to distribute the weight more evenly. Doubling up on the plywood or using thicker plywood can also increase the weight capacity. Yes, you can build shelves without a miter saw. Here are some alternatives: Alternative Tools and Methods: A circular saw or even a handsaw can be used to cut the wood. Just make sure to use a straight edge or guide to ensure accurate cuts. Pros and Cons of Different Tools: While a miter saw provides more precise and faster cuts, a circular saw is more versatile and can handle larger pieces of wood. A handsaw is the most affordable option but requires more effort and time. How Do I Maintain and Clean My Garage Wall Shelves? Proper maintenance and cleaning can extend the life of your garage wall shelves: Maintenance Tips: Regularly check the screws and supports to ensure they are still secure. Tighten any loose screws and replace any damaged components. Cleaning Methods for Different Materials: Use a damp cloth to wipe down wooden shelves. Avoid using harsh chemicals that can damage the wood. For metal brackets, a mild detergent and water will do the trick. Building your own garage wall shelves offers numerous benefits, from maximizing vertical space to keeping your garage floor clear. By following this guide, youll have a sturdy and efficient storage solution that meets your specific needs. Weve covered everything from the tools and materials required to step-by-step instructions and tips for ensuring stability and safety. Building wall shelves in your garage is a rewarding DIY project that can be completed in just a few hours. Whether youre a seasoned DIYer or a beginner, this guide provides all the information you need to get started. So grab your tools and start building your garage wall shelves today. Dont forget to share your completed project with us!

## Simple garage shelves. Building shelf in garage. Simple shelf build.

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