



large Worktable

Overview

At **UNIQUEPROJECTS** we focus on providing our users with [unique project plans](#). To keep our endeavor afloat, however, we occasionally work on other projects. Here is an overview of an extremely large worktable with an undershelf.

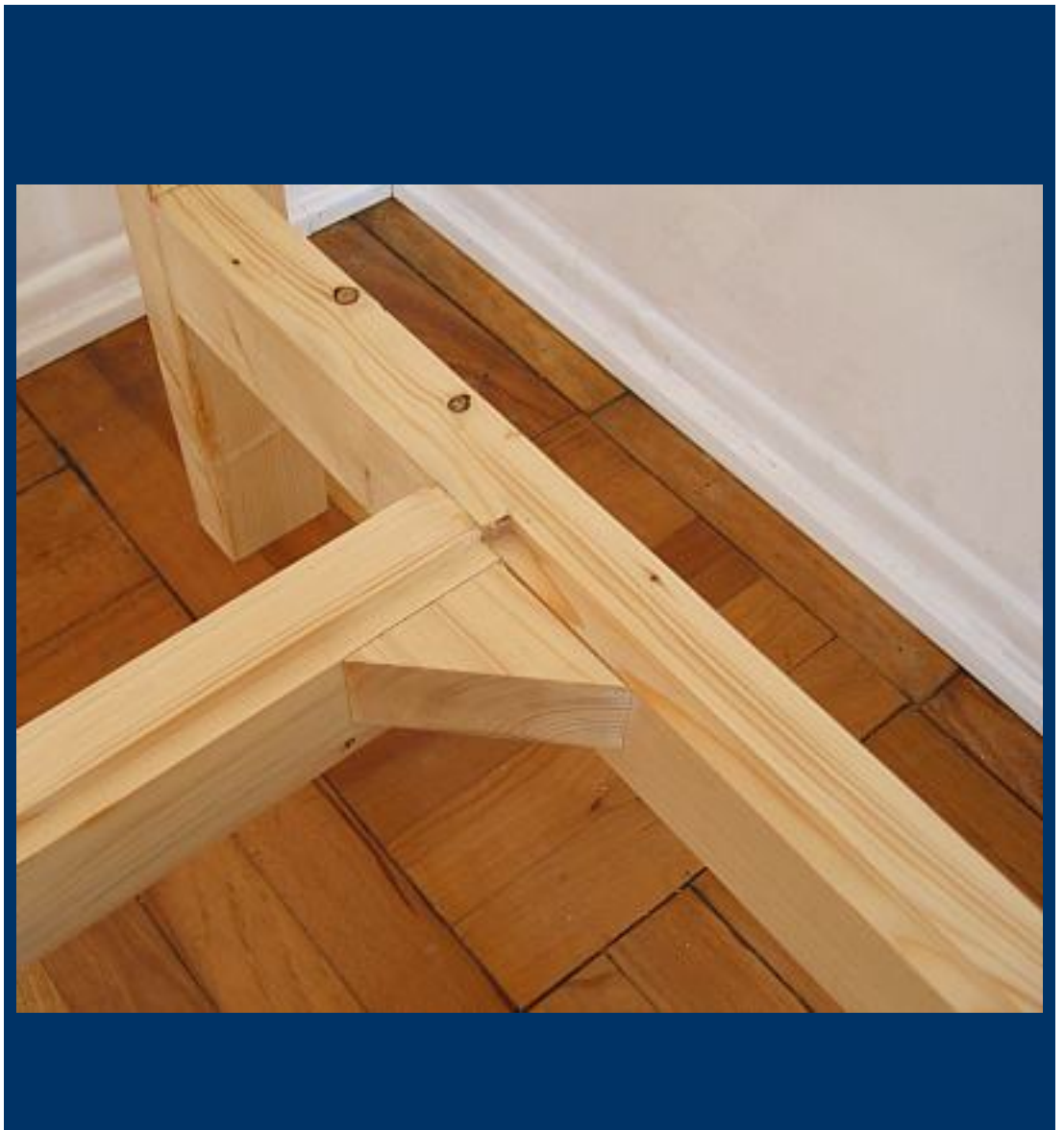
This is a huge worktable that you can make in a few hours. We made the frame (shown on the right) out of 2" x 3" (35 x 65mm) spruce. It is a very straightforward layout that was fastened solely with self tapping wood screws. If some increased rigidity is required, the layout of the frame allows for a long angled gusset to span between the undershelf and the parts of the frame just



below the tabletop. As you can see from the image on the right, we omitted these stiffeners.



Here is a detail of the undershelf. We included some small gussets to provide some added rigidity. Again all the parts are fastened solely with wood screws. You can also notice the step that we routed in the top of the shelf-supports to accept some thin melamine. Plywood or other manufactured panel would also be sufficient for the shelf material. We sized the undershelf to accommodate sitting from all sides of the table. If your table will always be butted up against a wall then you may want to adjust the size of the



shelf accordingly.

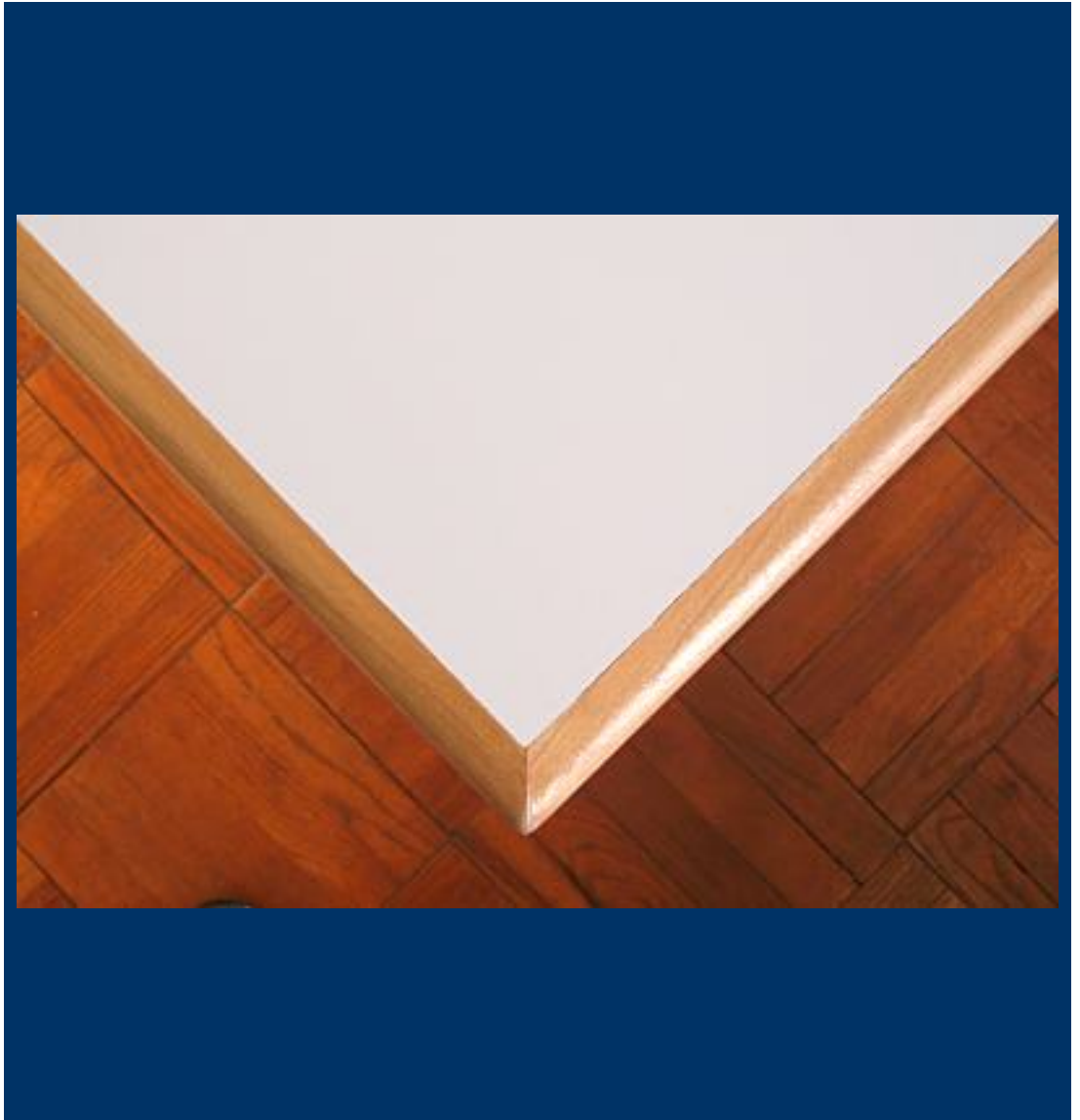
Here is a closeup of the frame construction. The main pieces of the frame are offset as shown to ease assembly and minimize the amount of cutting required. We also used some furniture glides beneath the legs to prevent marring of the hardwood floor that it rests on. The tabletop is connected to the frame using metal angle brackets and wood screws.



This is a closer view of the undershelf. We routed a step the same thickness as the melamine shelf. This yields a flush shelf surface. The melamine can be nailed or glued in place, but we achieved such a nice fit that we just let it rest in place.



The dimensions of the table were designed around the use of a full sheet of melamine for the top. A 4' x 8' (1.2 x 2.4m) table is enormous and few have the luxury to have the room to accommodate such a piece - but if you have the room, such a work surface is a treat for working on all sorts of projects. We included some hardwood (poplar) edging to protect the edges of the top panel. After rounding over one edge with a router, we sanded, nailed in, and then finished the edging with some durable polyurethane.



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sortable list of our free plans

Overview

The table provided below is the best way for you to find the project of your choice. We add free plans to the list regularly so check back often or better yet, subscribe to our [free newsletter](#). Click on the column headings to sort by that particular category. For example to sort projects grouped by project type, simply click on the 'Project Type' heading.

Click on any column heading to sort

| Project Name | Mat'l Cost | Completion Time | Difficulty Level | Primary Mat'l | Project Type |
|---|----------------------------|---------------------------------|----------------------------------|-------------------------------|------------------------------|
| ball clip | \$1 | 30 minutes | easy | metal | office |
| blind spot | \$.50 | 10 minutes | easy | paint | decor |
| block stack | \$1 | 2 hours | easy | wood | toy/game |
| bulletin board | \$20 | 2 hours | easy | wood | office |
| cloth envelope | \$1 | 1 hour | easy | fabric | gift |
| complico paper folding puzzle | \$.02 | 5 minutes | easy | paper | toy/game |
| crawling bug | \$9 | 5 hours | moderate | wood | toy/game |
| cryptographic font | \$.02 | 5 minutes | easy | paper | toy/game |
| curved panel | \$9 | 3 hours | moderate | wood | decor |
| curved photo stand | \$2 | 1 hour | easy | wood | decor |
| curvy stripe | \$1 | 1 hour | easy | wood | decor |
| custom colored paint | \$19 | 2 hours | easy | paint | decor |

| | | | | | |
|--|-----------------------------------|--|---|--------------------------------------|-------------------------------------|
| date blocks | \$1 | 2 hours | easy | wood | office |
| disk wallet | \$1 | 1 hour | easy | fabric | organizer |
| domino effect | \$17 | 3 hours | easy | wood | toy/game |
| eye pillow | \$2 | 1 hour | easy | fabric | gift |
| film covering | \$16 | 2 hours | easy | plastic | decor |
| framed weave | \$10 | 3 hours | easy | string | decor |
| hammock | \$18 | 2 hours | easy | fabric | outdoor |
| harmonograph | \$55 | 10 hours | challenging | wood | toy/game |
| impossible stack sculpture | \$8 | 2 hours | easy | wood | decor |
| magazine holder | \$18 | 3 hours | easy | wood | organizer |
| magnetic sculpture | \$8 | 1 hour | easy | wood | toy/game |
| marble paper holder | \$6 | 1 hour | easy | plastic | office |
| Project Name | Mat'l Cost | Completion Time | Difficulty Level | Primary Mat'l | Project Type |

| | | | | | |
|--------------------------------------|-----------------------------------|--|---|--------------------------------------|-------------------------------------|
| Project Name | Mat'l Cost | Completion Time | Difficulty Level | Primary Mat'l | Project Type |
| million wall | \$15 | 3 hours | moderate | paper | decor |
| miniature dry garden | \$2 | 3 hours | easy | wood | decor |
| mobile | \$1 | 1 hour | moderate | paper | decor |
| mobile workstand | \$35 | 4 hours | moderate | wood | shop |
| monitor shelf | \$5 | 1 hour | easy | wood | office |
| origami card | \$1 | 30 minutes | easy | paper | gift |
| paper | \$11 | 3 hours | moderate | paper | gift |
| perpetual calendar | \$2 | 15 minutes | easy | paper | office |
| plinko | \$95 | 16 hours | challenging | wood | toy/game |
| ring toss | \$7 | 3 hours | easy | wood | toy/game |

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|---|----------------------------|---------------------------------|----------------------------------|-------------------------------|------------------------------|
| shallow box | \$4 | 2 hours | easy | wood | organizer |
| stamp holder | \$.50 | 30 minutes | easy | wood | office |
| tomatoes | \$10 | 1 hour | easy | wood | food |
| treasure hunt | \$1 + | 2 hours + | easy | paper | gift |
| uniqueprojects newsletter 🕶 | free | 1 minute | easy | email | info |
| vertical organizer | \$15 | 4 hours | moderate | wood | organizer |
| wall clock | \$12 | 1 hour | easy | wood | decor |
| wall mirror | \$22 | 3 hours | easy | wood | decor |
| walnut shell case | \$5 | 30 minutes | easy | misc | gift |
| welding table | \$45 | 5 hours | moderate | metal | shop |
| winerack (angled) | \$7 | 3 hours | moderate | wood | decor |
| winerack (vertical) | \$6 | 3 hours | moderate | wood | decor |
| wood letters | \$3 | 2 hours | easy | wood | toy/game |
| yogurt | \$2 | 30 minutes | easy | milk | food |
| yo-yo | \$3 | 3 hours | easy | wood | toy/game |
| Project Name | Mat'l Cost | Completion Time | Difficulty Level | Primary Mat'l | Project Type |

Other Projects

| Project Name | Mat'l Cost | Completion Time | Difficulty Level | Primary Mat'l | Project Type |
|-------------------------------|------------|-----------------|------------------|---------------|--------------|
| mission bed | \$400 | 60 hours | difficult | wood | furniture |
| nightstand | \$300 | 60 hours | difficult | wood | furniture |
| picture frame | \$50 | 4 hours | easy | wood | decor |
| toolbox | \$50 | 12 hours | moderate | wood | shop |

[worktable](#)

\$75

4 hours

moderate

wood

shop

Projects that do not require special tools:

- [ball clip](#)
- [cloth envelope](#)
- [cryptographic font](#)
- [custom colored paint](#)
- [eye pillow](#)
- [million wall](#)
- [origami card](#)
- [perpetual calendar](#)
- [treasure hunt](#)
- [walnut shell case](#)

Projects that can be made out of leftover material:

- [block stack](#)
- [cloth envelope](#)
- [crawling bug](#)
- [curved photo stand](#)
- [date blocks](#)
- [disk wallet](#)
- [impossible stack sculpture](#)
- [miniature dry garden](#)
- [shallow box](#)
- [yo-yo](#)

Projects that make great gifts:

- [cloth envelope](#)
- [crawling bug](#)
- [curved photo stand](#)
- [domino effect](#)
- [mobile](#)
- [miniature dry garden](#)
- [origami card](#)
- [treasure hunt](#)
- [walnut shell case](#)
- [yo-yo](#)

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