

Hello, welcome to this online

This girl makes tutorial, today we're
going to be making one of these stools.

So to begin with, you'll need to have
ordered one of our stool making kits,
which are available on our
website and in that you get a
top three legs and three wedges.

So we're going to need some tools
to do this project today, so let's
have a look at what's in our toolkit.

You're going to need some
sandpaper and a sanding block.

And you're going to need some sort of saw.

This one's a flush saw,
which I'd recommend. And you're going to
need a mallet and hammer. Ideally both.

But if we've only got one
that's not a problem.

You're going to need some wood adhesive,
some sort of PVA.

You're going to need a pencil.

A steel ruler,

possibly a brush to get rid of sawdust.

Maybe a pair of pliers?

And if you've got a block plane

that might come in handy too.

So let's get started.

So first of all,

what I'm going to do is make sure I'm

putting in the legs the right way round.

They want to be splaying outwards.

So if we get them all in, and make

sure they fit, they're nice and tight.

So next, we're just going to check

that our wedges fit into our slots alright.

If you find they don't,

you can just give them a

quick sand with some sandpaper.

And we're just going to get

them to a point where they're

propped in the slots like this.

So traditionally, the wedge should

go across the grain like it is here.

But I'm gonna go for a more

contemporary look and line them

up with the corners of my stool.

So I'm just going to mark where

those slots are with my pencil here

by drawing 2 lines on either side.

And then that means I can

take the legs out now,

and I know exactly which way round they

need to go when I put them back in.

So the pencil marks would be on

your top and we're going to sand the

bottom and we want to sand in line

with the grain using a sanding block,

ideally with a bit of leather on the bottom,

and we wrap our sanding paper around like

that and we just start to work on it.

So this video is obviously sped

up just to save time,

but it's good to take

some time when sanding.

Make sure you do a proper job,

get off any pencil marks

or marks in the wood.

And just make sure you have a

nice clean surface before we

move on to the next process.

OK, that's all done,

so I'm going to head outside

now and just get rid of any

sawdust with my brush.

And also do a bit of a

Clean up of our workspace.

So you might find you wanna

sand the sides of your top.

This one actually seems OK, so I think

we can progress onto the next stage.

So you're going to need some wood glue.

This one says that it cures in 10 minutes,

which means that we're going to have

to do the glue up quite quickly.

So the next stage is gluing up,
so I'm going to take one of my legs
and I'm going to squeeze a little bit
of glue onto the base of the tenon.

The tenon is the bit that will
be threaded through the hole.

So you want a fair amount of glue and
what you could do is just use your finger
to spread some of that glue around.

Or if you want to be a bit neater,
you can get a brush.

I'm just going to spread that glue around
and then thread it through the hole,
making sure to align it with my pencil lines.

So I'm going to repeat the
same process for the other two.

You want to have a fair amount of glue on
to make sure the joint's nice and strong.

If you've got tight tenons going
into your hole,

then you probably won't need as much glue.

And because this is a glue up,
you wanna work quite efficiently.

Any excess glue can just be
put into the hole.

So I've threaded those all through and
they're all lined up with the pencil lines.

So the next stage is we're going
to be putting the wedges into the

slots in the top of our legs,

so I'm going to just put a little
bit of glue on the end of the wedge.

The thinner end,
and just spread that around with a brush.

And we're going to slot the wedge
into the top of the leg like this.

So then this next bit we need
to get our hammer.

You can use a mallet but a hammer.

I prefer,
and we're just going to make sure the

wedge is aligned with the side of the leg,

so it's going in at the same angle and

just do it nice and slowly, take your time.

And once it's started going into the hole,

you just need to tap away and keep

tapping until it won't go in any further.

If you start to break the wedge,

then you know you've definitely gone in

as far as it'll go, so you can stop.

What you might find is on the underside

there is a gap on the outside edge.

If there's a gap here,

what you need to do is just

maybe get your sanding block,

ideally with a bit of leather on

the bottom just so it protects the

wood when you're about to hit it,

and just give it a few taps with

your mallet and that should just

force the legs further through

the hole and close up any of

those gaps that you might have.

So we're just going to repeat the same process for the other two wedges.

And essentially what the wedge is

doing is just driving those two

halves of the leg apart so that it

closes up any gaps in the hole and

makes that joint nice and tight.

So remember to just take it nice and

slow when it's going into the beginnings

of the holes so that you don't make any mistakes.

And if for any reason you've made a

mistake and need to get the wedge out,

that's when your pliers will come in handy.

So just give it a tug.

And what we're going to do is just clean

up the bottom here, so you can see we've

got a nice amount of glue squeeze out.

So I'm going to grab some

kitchen roll and a steel ruler.

And I'm just going to scrape off any

of that excess glue. So you don't
want to be marking the wood here.

You just want to be gently
taking some of that glue off,
and you want to ideally take
off as much as possible.

So because this is a white PVA glue,
it's going to dry clear anyway,
but you don't want to have any
solid bits of glue on the
underside of your stool.

Ideally you want to avoid that.

And then I'm going to use a damp
piece of kitchen roll just to
take off any of the excess that
I couldn't get with the ruler.

And you don't want to have too much
water otherwise that will dilute
the glue and weaken the joint.

So just a damp paper towel.

And there we go. All done, so we

can leave that for a few hours.

It's time for a tea break I think.

So you may have left your

stool overnight to dry,

but a few hours should do it, so this

next stage we're going to need a saw.

I recommend using a flash saw

'cause it's got a flexible blade.

It's nice and slim so you can get a fine cut.

These are about 15 to 20 pounds

online and I'd highly recommend them,

but you may just want to use a

standard looking saw like this.

It's a bit thicker the blade,

so you won't get as finer cut.

But it should work fine and this is a

Japanese saw similar to the previous one,

but it's got a slightly finer blade.

So what I'm going to do is hook

my stool onto the corner here

just to give me some support.

If you've got a clamp,
I'd ideally be using one of those right now,
or I'd get a second person to
help me by holding it still.

And I'm going to use the flush saw here.

We're going to be cutting horizontally
and make sure it's away from yourself,
not towards yourself.

Make sure your fingers are clearly
out of the way of the direction
of the blade and you just want to
just very gently push backwards and
forwards and let the saw do the work.

So I'm just going to work my way
around the leg, cutting it off.

You may want to rotate it and come
at it from a different angle,
and eventually you'll get through.

So I can see here that I've managed to
get a fairly close cut with the saw,
but there is a little bit of a step

which I can feel with my finger,

so I'm just going to go back in

with the saw and try and take off

as much of that step as I can.

And just take your time with this,

this video is sped up.

So if I was going to use a different saw I'd

be cutting vertically away from myself,

so you might want to hook the stool

onto the work bench like this and cut

downwards and try and do a nice straight cut.

So you can see that there's a

much bigger step on this one,

but you can use your block plane

at this point and just try and

take off as much of that step.

Or you can leave it as a specific detail.

So I'm just going to go in here

with the block plane and try

and make that as flush as I can.

OK, and now onto the last one.

So something to be conscious of is

when you finish the cut you don't

want to ping through the last bit

you want to take it nice and slow.

So I'm just going to finish

this off with my block plane.

Try and take off any of the

steps and then we're going

to clean up our work area.

OK, so now the last little bit

is we can just give this a sand

with our sanding block and paper.

Ideally you'd clamp this down or have

another person helping you to hold it.

But it's quite a workout,

so just take your time,

have some breaks and just try and

clean that up as much as possible.

You may also want to use a cabinet

scraper like I've got here.

Admittedly, this one isn't very sharp

at all and I'm going to be using

it with one hand rather than two,

making my life more difficult.

But essentially what this does is just

gets rid of any deeper scratches that

are harder to get with the sandpaper.

So I'm just gonna

take my time going over it

with the scraper, and trying to

get out those deeper marks.

Just for a more professional finish.

And you want to ideally go in line

with the grain so you can see here

I'm following the lines of the wood.

So that brings us to the end

of the tutorial and the last

little bit is to add a finish.

I'd recommend Osmo oil.

This one's a raw finish,

so it shouldn't change the colour of

the wood too much and you just want to

apply that to all surfaces and the legs
of the stool with a rag and just use
a separate rag to take off any excess oil.

But yep,

that's your stool.

I hope you enjoyed this tutorial.

If you enjoyed this making
tutorial we offer another DIY kit.

This toolbox here so you can
order those kits via our website,
so check it out.

Website: this-girl-makes.com