

Name :

Basic Tiling

- Describe the **process**, what are you doing?

What **health & safety** rules did you follow?
- What **tools & equipment** did you use?

How did you ensure the best possible **quality**?



The first thing I did was marking out the centre of a piece of plywood using a trisquare, pencil and measuring tape. Marking the centre of the plywood and some of the tiles is important so I can get the pattern correct with the tiles on the piece of plywood.

I measured the tile and applied ready mixed adhesive with a spreader. I ensure the coverage was even. When fixing the first tile I lined up the centre of the tile with the centre of the piece of plywood and applied even pressure.

I continued to apply adhesive and fix the tiles in an offset /staggered brick pattern. I placed a lots of 2mm spacers in between the tiles to ensure a consistent distance between them.



I marked out the tiles that needed to be cut to size. I placed a tile in a manual tile cutter and put on safety goggles. I lined up the scoring wheel and then I scored the tile. I applied pressure using the small set of jaws to break the two pieces apart. I cut any rough bits with a pair of tile snippers. I smoothed the edges with a tile file.

I then fixed the remaining tiles with adhesive. I allowed sufficient drying and curing time before grouting. Spread the grout into the gaps between the tiles (grout joints) with a grout float. I thin used a grout finisher to achieve a smooth professional finish. Finally, I cleaned any access grout off with a sponge and water.

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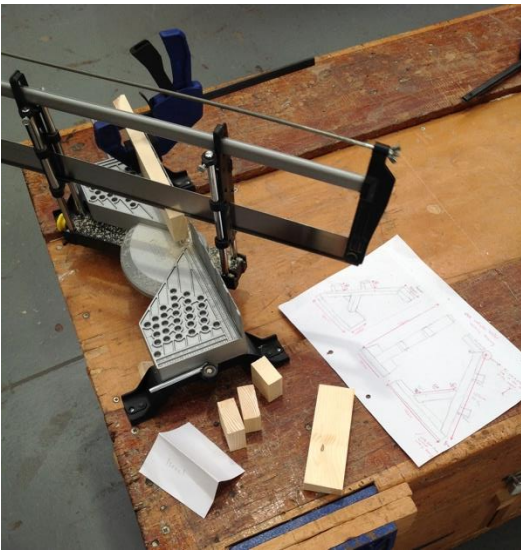
Controller Holder

I have made a controller holder out of pine wood. I used a working drawing to see the dimensions, angles and assembly details.



I put on my apron and collected my tools. I used a tenon saw, bench hook and vice to cut the 90-degree angles.

I used a disc sander and fence to ensure the edges were accurate. I wore goggles and turned on the extractor.



I then used a mitre saw to cut the various angles. I used a trigger clamp to fix the wood to the saw.

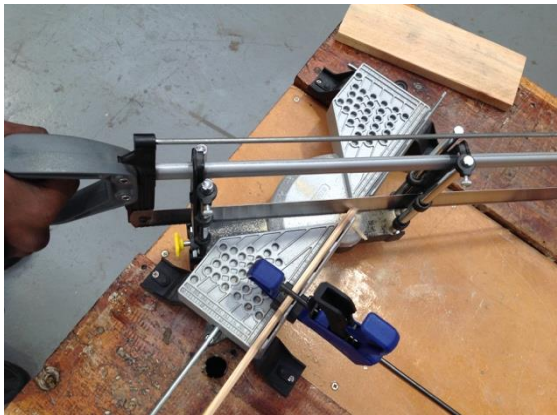
I assembled the first few components with pva wood glue and used a spring clamp to apply pressure.



To attach the controller holder to the base I used pva wood glue and masking tape.



To make the base for my controller holder I used a mitre saw to cut the ends off a piece of pallet wood.



I wanted a boarder around my base, so I cut a thin piece of pine wood at 45 degrees using the mitre saw.



I stuck the boarder to the base with pva wood glue and applied pressure with trigger clamps.

I then glued down my controller holder to the base.

Here is my final controller holder holding two PS4 controllers.



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Mug Tree

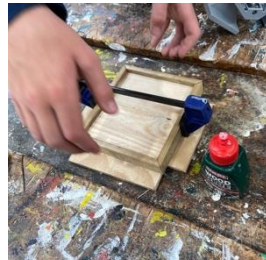
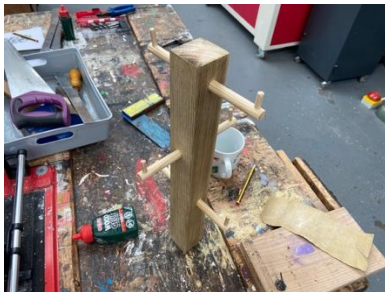
I collected my tools, materials and equipment. I used a tenon saw and bench hook to cut the middle section of my mug tree. I used a disc sander and fence to sand down the end of my mug tree and to be safe I used extraction, apron, goggles. I used the hand sander to make the wood nice and smooth.

I marked out where to drill then I used a pillar drill to make a hole on my wood. I held the wood still with a hand vice and used a 12 mm drill bit to drill the hole. For health and safety, I used an apron, goggles and a chuck guard.

I then measured and marked the dowel. The dowel will go through the middle bit of wood and then hold the mugs.

I drilled a 5mm drill hole ready for a 6mm dowel to go in. This smaller dowel stops the cups from falling off.

Before inserting the small dowel, I sanded the top of the small dowel for it to look like a coke can.



Next, I used PVA glue to begin glueing my small dowel hooks into the dowel branches.

I then glued the small dowel to the larger dowel. Waiting for it to dry until I completed the next stage.

I then prepared the larger piece of wood by using a mallet to insert the larger dowel into middle piece. Making sure the wood was set up on the end of the bench.

Here it is ready to be attached to the base.

I began sanding base using the the sanding machine to make sure the edges were smooth. I had to wear goggles to protect my eyes from the wood bits.

I made mitre joints to go around the base. Using glue and trigger clamps until the glue was dry.

I used weights to help set the glue on the middle section to the base.

Here is my final mug tree holding 6 mugs in the kitchen.

