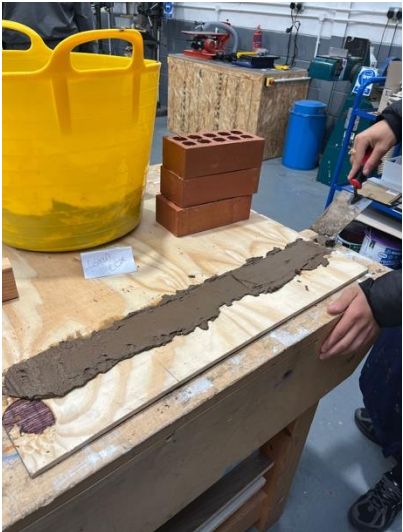


Name : _____

Basic Bricklaying Skills



I mixed building sand to cement in a 3:1 ratio in the builders bucket with a shovel. I added water and this created a mortar. I ensured I was wearing goggles to protect my eyes and appropriate footwear.



I then set up my mortar line and evenly spread the mortar ready to place the bricks. I used a bricklaying trowel and was wearing an apron.



I laid the brick and adjusted it with a brick hammer/mallet.

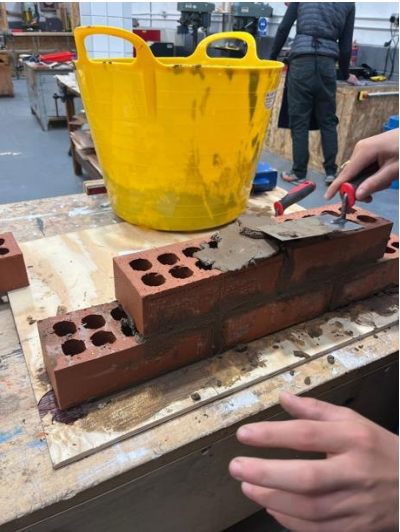
I then set up my spirit level to make sure the bricks were all level. The bubble must be in the middle.



I marked the halfway point on a brick using a ruler and pencil then placed it in the middle of the first 3 bricks.



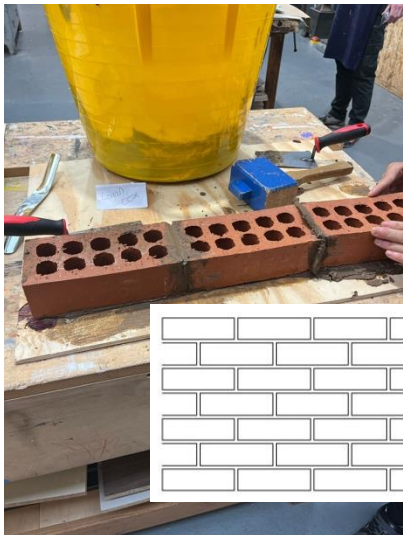
I then used a pointing tool and a trowel to fill the gaps with mortar. This improved the overall appearance of the brick wall.



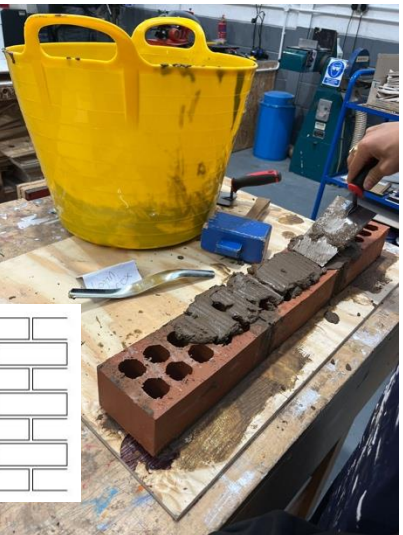
I then set up my mortar for the final top brick.



I used my brick laying trowel to apply mortar to the end of the bricks to create a seal with adjacent brick.



I then laid them end to end and used a spirit level to make sure all the bricks were level. This process is called jointing.



I then applied more mortar on top of the bricks to start the second layer. I laid the bricks in a stretcher bond. This is where the bricks in each row overlap halfway with the bricks below.



I then used my pointing tool to fill the gaps and make it look cleaner. This is called pointing.



This is my finished brick wall before cleaning.



I then cleaned the wall along with my tools and equipment. To finish, I stored my clean tools away safely ready for the next job.

Name :

Basic Tiling Skills: Light Switch (fixed obstacle) Tiling



To demonstrate I can tile around a fixed obstacle I fixed a light switch to a piece of plywood. I collected my equipment: I got the tile and measured it then draw the straight lines with a trisquare.



Here you can see I am fixing my lines with the trisquare. A trisquare is basically like a ruler, but it helps more with straight lines.



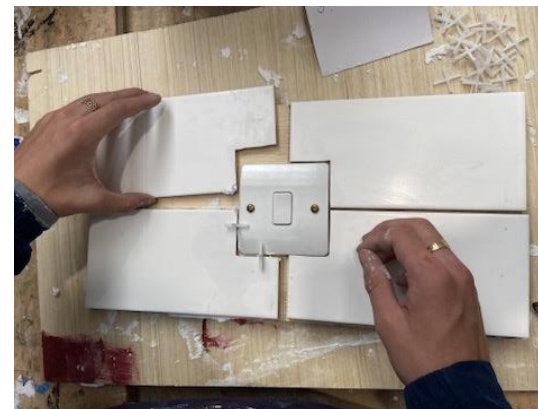
I couldn't use the the manual tile cutter, so I used the electric wet tile cutter to get cleaner and more accurate cuts. I added water because if not, the blade would get too hot. I made sure I had my ear protection on and goggles and my hands on either side of the tile away from the blade. To help I used the guard and fence.



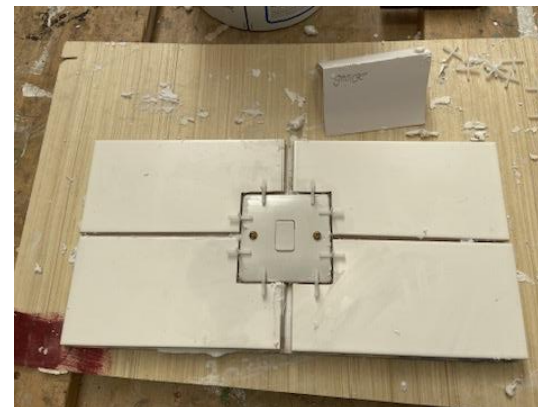
Here I am just using the plyers to cut the bumps off the edges and give it a smoother finish.



Here I am applying the tile adhesive and sticking the tiles down to the plywood. The adhesive makes it so the tiles won't move and will stay on. I am using an adhesive spreader.



Then I put the 2mm spacers between each tile and the fixed obstacle (light switch). These little plastic spacers ensure a consistent finish.



Then I leave the adhesive to set over night.



Here I am filling in the gaps between the tiles and light switch with the grout. This is so it looks neater and more presentable. Finally, I cleaned and stored my tools appropriately.

Name :

Basic Tiling Skills:



I began by marking out the center of a piece of plywood using a pencil, measuring tape and a trisquare. I marked out the center of the tile by using the ruler, pencil and mm for accuracy. I made sure the plywood surface was clean, dry and free from dust or debris before I applied the adhesive.



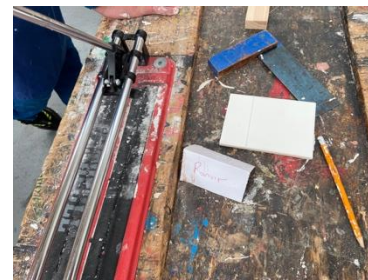
Next, I applied adhesive by using the adhesive spreader ensuring full coverage on both the plywood and the back of the tiles, otherwise it would not stick properly.



I then started fixing the first tile. I lined up the center of the plywood and applied even and steady pressure.



I continued to apply adhesive and fix the tiles in an offset/staggered brick pattern. Then I placed a 2mm spacer in between the tiles to keep a little gap between the tiles ready for the grout. The spacers ensure a consistent and neat finish.



I then marked out the tiles that needed to be cut using a pencil, ruler and trisquare.



I made sure I put safety glasses on then cut the tiles by using the manual tile cutter. Making sure to take my time, I scored the tiles before using the jaws to break them.



I put my cut tile in a vice, and I used the tile file to make a smooth surface.



After I placed all the tiles, I used the grout spreader to fill the gaps with white grout. This smooths it out and gives it a professional finish.



I used a finishing tool to smooth out the grout. Finally, I sponge cleaned all the excess off.

