

Supplies used for our face shields:

- 3/4" x 100' Plastic Hanger Strap
- 4" Cable ties
- Medium sized hair ties
- Clear Binding sheets

Tools needed:

- Hole puncher
- Scissors
- Permanent Marker



Step 1: Wash hands and keep as clean as possible

Step 2: Cut Plastic hanger strap into 2 pieces, each 22 holes long

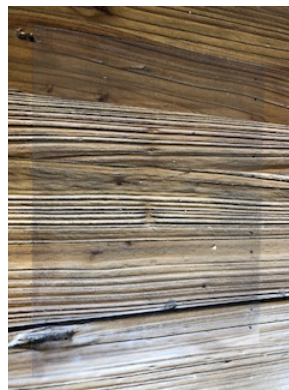
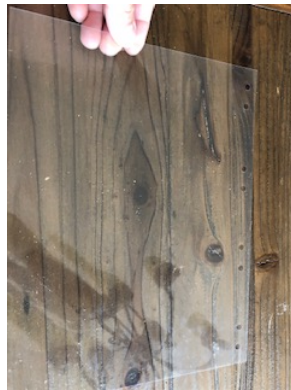
Step 3: Round head band ends for comfort

Step 4: Assemble head band by passing single zip tie through 1st hole of outside band and through 4th hole of inside band. Next, pass end of cable tie back through inside band's 5th hole and outside band's 2nd hole. Repeat for other side. This allows for spacing between head bands for other protective equipment. Important for this step is to start cable tie from outside so that flat side rests against skin and female part of zip tie is on outside of band. Trim off excess cable tie tail.



Step 5: Cut single hair tie in half, helps to use existing fused point for cut location as is stiffer and allows for easier passing in subsequent step. Use point of scissors and expand in circular motion the first holes on inside head band, pass hair tie through each hole and tie knot external to head band.

Step 6: Create template for clear plastic shield. Cut a strip of hanger strap 15 holes long. Turn binder sheet in landscape orientation, align newly cut strip along edge of binder sheet with left-most hole just off the left edge of binder sheet. This allows for even spacing of shield on hanger strap and even spacing of cable ties. Now starting on 2nd hole of strip, take permanent marker and mark a dot on 2nd/3rd holes, 6th/7th holes, 10th/11th holes, and finally 14th/15th holes. This leaves a gap of 2 holes in between each sets of marking. Once dots marked, take hole puncher and punch holes in template. Stacking several binder sheets at once will speed up creation. Hint, once first template created with dots on binding sheet, take other binding sheets and trace/transfer dots to others instead of using strip again to save a lot of time. You will now have 8 punched holes along edge of binding sheet, ready to mount of head piece.



Step 7: Take punched binding sheet and align holes, start passing cable ties (through inside of external band now, so female part of cable tie lies inside head band), starting on 3rd hole from cable tie that was placed on step 4. Leave cable ties loose for now to allow wiggle room. Hanger strap holes are not uniformly placed so holes might not perfectly align, but will when all 4 cable ties placed. Continue placing cable ties, 4 total, to fix clear sheet to headband. When complete, there will be 2 empty holes on each side of face shield and should be evenly spaced. Now tighten all cable ties and snip off excess tails.



Face shield complete!

