



Bandsaw

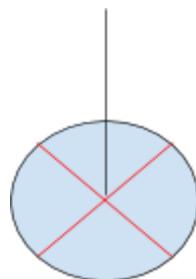
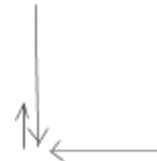
Titan Robotics | FRC 2022

Steps:

1. Adjust the height of the blade before you cut (about 1 cm to 1 inch above the material)
2. Start with the material not touching the blade and gently feed it
3. Keep the blade on the excess side of the line (the side you don't want to keep)
4. Don't cut exactly on the line because your piece will end up too short
5. If your hands are getting too close to the blade, use a block to push it the rest of the way
6. Adjust the straight edge and make sure to tighten in place
7. Push against the straight edge for a consistent cut
8. Do NOT cross the line
9. Once you push your pieces through, turn off the saw, wait for the blade to stop, then grab your pieces
10. Clean off the table
11. When you're finished cutting, release the tension of the blade
12. To start - plug the bandsaw in, twist/pull the red button out, yell "cutting", press green button, cut
13. To stop - push the red button, wait for the blade to stop, grab your pieces

Safety Tips & Tricks:

- The bandsaw is a literal band
 - You move the material through the blade
 - Have to cut all the way through
 - If you don't cut all the way through, then stop the machine, back it up (carefully), and cut from the other angle
- If you need to back out, stop the blade completely then take it out (ask for help if you need)
- To make sharp angled cuts, you need to go in from two directions
- Remember when you are cutting you want to conserve as much material as possible
- Keep your fingers at least 2 inches from the blade at all time (the circle)



2" radius from blade
Don't go in this zone



Created by: Danielle, Wyatt, Louise, and Fred | 12.4.18

Last modified by: Wyatt

- Slow down/use less force when you are about to finish a cut because your hands might slip (you can cut yourself!)
- Stagger your feet so that one foot is in front of another when applying force. Keep weight off of your front foot, so you can use it to stop pushing forward once you get through the material.
- Band saw is meant to cut curves
- If you are cutting out a curve, then you will need relief cuts which help the blade do short easy cuts

