Sander Operation
Requirements for Student Use of the Shop Sanders

Before you can use the machinery, the following requirements must be met:

1) Sanding **Machine Shop Training** must have been completed.

2) “**Sign UP for a time**“ in advance of when you need it, on the posted shop schedule.

3) **Respect blocked out course times and instruction time.** These times are posted on the shop schedule. Use of the shop will be reserved during these times.

4) **Avoid “walking in” at the last minute.** Shop personal have many daily duties. We always like to help, but common courtesy and a little planning on your part will go a long way toward smoother operations.
Belt and Disk Sander
Sanding

Belt Adjuster

Belt Direction

Belt Tension Adjuster

Disc Sander

Table

Table

Belt Direction

Miter Gauge

ON/OFF Switch
Sanding

Saw Leaves Rough Cut, Clean Up with Sander
Sanding

Steady Part on Work Table

<Move Part from Side to Side as you Sand>
ALWAYS Steady Part on Work Table!

NO !

Catch Part / Crush Fingers

YES !

Part on Table, Fingers Safe

Belt Motion
Sanding

ALWAYS Steady Part on Work Table!

NO! Catch Part / Crush Fingers

YES! Part on Table, Fingers Safe
ALWAYS Steady Part on Work Table!

**NO!**
- Catch Part / Crush Fingers

**YES!**
- Part on Table, Fingers Safe
Belt / Disc Sander

Remember: Only one person operates the machine

**PURPOSE**
- Deburr, chamfer, radius, general shaping.

**DANGERS**
- Keep hands and fingers clear from belt and disc.
- Make sure work is gripped tightly.
- Use side on disc sander that forces work to table.

**CLEAN UP**
- Brush all dust off machine and sweep floor.
- Always leave machine clear of objects and clean.

**HOW TO OPERATE**
- Metals and plastics ONLY in metal shop.
- Wood only in wood shop.
- Inspect belt for rips or holes, if so discontinue use.
- Use face shield for aggressive sanding.
- Stand clear when first turned on.
- Disc has variable cutting speed, slow at center, fast at periphery.
- Vise grips OK on small work.
- More shapes, more materials can be sanded vs. grinding.
- Adjust tables to be perpendicular or obtuse to sanding surface
- Quench work in water as needed.