



## Band Saw General Safety and Operation



# Safety First



### Description:

The band saw is a powerful motor-driven cutting tool. The saw's blade is a continuous, flexible band of steel with rip-cut teeth filed on one edge. It has a tilting table for cutting on an angle. The size of a band saw is determined by the diameter of the wheels that drive and guide the blade. The distance between the table and the blade guard limits the depth of cut.

### Operation:

The band saw blade travels in a clockwise direction forcing the stock that is being cut down against the table. Although the band saw is an excellent machine for cutting curves, it can also rip, crosscut, and re-saw stock. Because of its powerful motor and deep depth of cut the band saw can cut large pieces of wood and also odd pieces of wood. The blade must be under tension to maintain a straight cut.

### Things to Remember:

- + Wait for the band saw to come up to full speed before starting to cut
- + Do not cut curves that are too tight for the width of the band saw blade, use relief cuts first
- + Do not force a cut, always use a smooth, slow feed into the blade

Extra Notes:



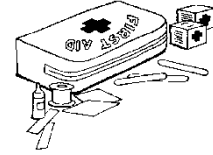
# Exploring Technologies

Western Technical-Commercial School

Name:

Date:

## Safety Contract for the Band Saw



### Rules to remember

1. Wear safety glasses!
  2. Be sure that all guards/covers are in place and dust collector system is connected and on
  3. The blade guard clearance must not be more than 25 mm. above work
  4. Keep hands to the sides of the blade, never in front of the blade
  5. Keep work flat on the table for work piece stability and support while cutting
  6. Use a push stick to move scrap pieces of wood away from the blade
  7. Do not cut too small radius cuts, if necessary, make relief cuts first, ninety degrees to your cut
  8. One person at a time operating the machine
  9. If the blade breaks, shut off the power and stand clear until the wheels have stopped turning
  10. When backing out of a cut, do so with extreme caution so as not to catch the blade and pull it off the wheels, otherwise you must stop the machine first
  11. When finished, turn machine off and use the brake to stop the blade
- + Look at yourself; if you have all your body parts and you're not bleeding, then you can appreciate the benefits of safety in the shop.

I was present for the instruction on the safe use of the Band Saw and I understand its meaning and will operate this machine in a safe method as described. I feel comfortable in the operation of the Drill Press and if in any doubt will ask for help from an Instructor.

Fill in below, the lesson date (year/month/day), check off that you have seen the instructor's parts, safety, and operation demonstration, your name, check off your completions, signature and then have your instructor sign-off for your contract to be allowed to use the machine.

Students to fill in all column boxes below once completed, then sign.						Teacher
Lesson Date	Demo ✓	Last Initial, First Name	HO Done ✓	Demonstrated ✓	Signature	Safe to Use