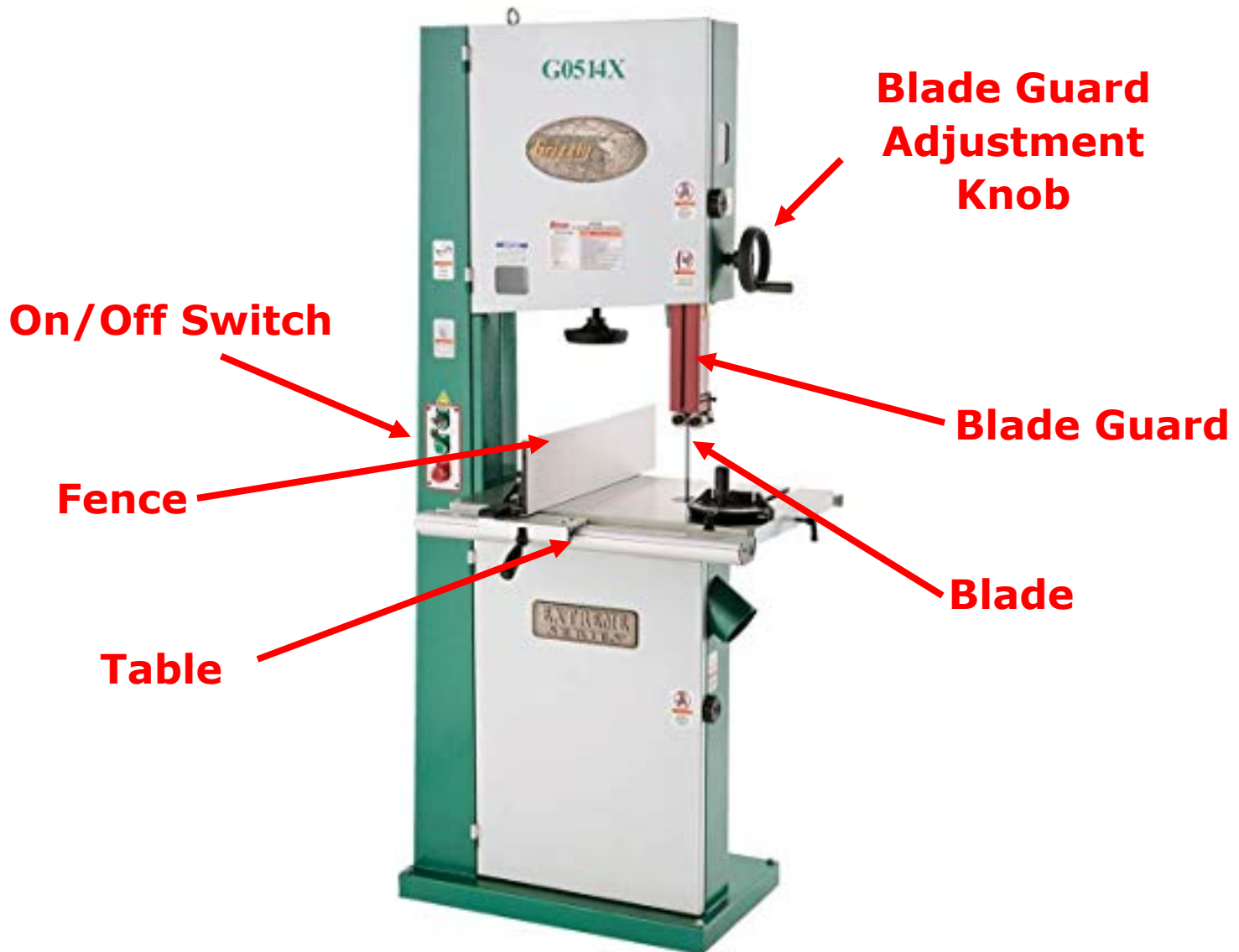




# Fab Lab Tool Training Rubric: Vertical Bandsaw



## Personal Protective Equipment

- Standard shop personal protective equipment (safety glasses, no long hair, no flowing clothes, etc.) are required
- **ABSOLUTELY NO** gloves, rings, bracelets, or other items on your hands or fingers, as these may get sucked into the saw blade

## Safe Operation

- Always cut workpieces that are resting on the worktable – no ‘free hand’ cutting of work in air
- Adjust the blade guard to cover the blade down to ¼” above the work to be cut
- **DO NOT** attempt to clear the blade of loose pieces while the machine is running. Only clear the blade and table of loose pieces of lumber after the blade has come to a complete stop
- If the saw starts slowing down or making excessive noise, reduce cut pressure and/or cut turning radius
- Clamp all round pieces to V-blocks or miter gauges before attempting to cut them on a bandsaw, to prevent them from rolling
- Push workpieces through the saw by applying pressure on both sides of the workpiece. Use miter gauges or push sticks to guide material through the bandsaw on the side closest to the blade
- **DO NOT** push on the workpiece along the bandsaw’s line of cut

## Common Maintenance Operations

- None. Please see an instructor or a staff member if a blade breaks or jumps off the drive wheels, or if you need to install a new blade. Do not attempt to service the blade yourself

## Allowable Materials

- Allowable materials are dependent on the shop the bandsaw is in; only wood is allowed in the wood shop, while plastic and metals are allowed in the metal shop
- Cut wood must comply with the following rules:
  - No moldy or wet wood
  - No treated/painted/finished wood
  - All nails and staples removed
  - All hardwoods must be checked against a cutting/sanding chart for hazardous dust reactions

# Fab Lab Tool Training Test:

## Vertical Band Saw

**Student's Name:** \_\_\_\_\_

**Instructor's Name:** \_\_\_\_\_

**Date of Test:** \_\_\_\_/\_\_\_\_/\_\_\_\_

### Point out the following tool features:

- ☐ On/Off Switch
- ☐ Table
- ☐ Blade Guard Adjustment Knob
- ☐ Blade Guard Adjustment Lock
- ☐ Blade Guard
- ☐ Blade

### Personal Protective Equipment:

1. Can work gloves be worn while using a bandsaw? ( Yes / No )

### Safe Operation:

1. Demonstrate the correct amount of clearance the blade guard needs off the top of the workpiece
2. Demonstrate safe cutting procedures on a number of different sizes of workpiece
3. What are two proper courses of action to take if the saw starts slowing down?

### Common Maintenance:

1. What do you do if a blade jumps off the bandsaw's drive wheels?

### Allowable Materials:

1. State 3 requirements of the wood that is cut on wood shop bandsaws

**Passed:** YES / NO

**Instructor's Signature:** \_\_\_\_\_