

Table Saw Demonstration

A circular saw blade mounted in a table for control and accuracy

Makes all four cuts but is primarily used for ripping

Demonstrate the controls:

- on/off
- blade up/down
- blade tilt/ bevel

The fence

- how to adjust and lock/ do not over tighten

Demonstrate the ripping technique

- keep material tight to the fence and down to the table
- keep the fence free of chips or sawdust
- stand slightly to the left of the work NOT in line with the blade
- do NOT lean into the work too much
- use left hand to control wood to the fence and the right hand to feed the wood past the blade
- do NOT let the left hand “crawl”/ use steady pressure and keep the hand still just at the point that the wood enters the blade.

Push stick

Always check wood for metal prior to cutting

Demonstrate a long rip

- You should be able to handle wood your own height
- when using two people, one is the operator, the other is a human sawhorse
- always bounce a long board after the rip to check for weakness in the wood.

Have each person do a rip of @16-18 inches at a specific measurement to see if they can read a ruler.

Safety Guidelines for Thea 2001/2002 Students and Design and Production Majors

In the shops or on the stage, the potential exists to injure yourself in a minor way, a moderate way, or fatally.

You must be prepared to handle injuries for yourself or your classmates.

All injuries must be reported to your faculty supervisor

In the event of a serious injury, get help first then find the supervisor.

Serious injuries: Rapid loss of blood, a broken limb, any serious head injury, loss of consciousness, etc. An injury that could be life threatening or debilitating.

Get help. Call 911

In order to call the Rescue Squad: Call 911. This will reach the ECU Police Department. Tell them the nature of the problem and they will send an officer and call the Rescue Squad. You will need to tell them where the injured person is located. You may be in Messick Scenery Shop (second floor), the Paint/Prop Shop (first floor), the Electrics shop, the Costume Shop or on the Stage in McGinnis Theatre or The Studio Theatre. The Rescue Squad may be called but be aware that **there is a fee involved and that the student is responsible for this fee.** You should also be aware that the Rescue Squad will make a determination as to whether or not the injured person needs to be transported. They may feel that person should be seen and will encourage them to agree. They are bound by law to insist that the person be transported if they feel that the injury is threatening enough and they are empowered to have the person arrested if need be. **YOU ARE NOT COVERED BY ANY FORM OF INSURANCE OTHER THAN YOUR OWN POLICY. YOU ARE NOT COVERED BY WORKER'S COMPENSATION UNLESS YOU ARE EMPLOYED BY THE UNIVERSITY AND AT THE TIME OF INJURY WERE WORKING AS AN EMPLOYEE.**

While you wait on medical personnel:

-Use First Aid training if you are qualified. PUT ON LATEX GLOVES BEFORE HANDLING ANOTHER PERSONS BLOOD. These are located in or on top of the First Aid Cabinet.

-Otherwise: Keep the injured person calm and comfortable. Assure them that help has been called .

-If the injured party has significant blood loss: Apply direct pressure to the injury using a sterile feminine pad to absorb the blood. These are located in or on top of the First Aid Cabinet. Change the pad as needed. Do not apply a tourniquet.

-If possible, elevate the injury above the heart to allow gravity to work against the blood flow. BE CERTAIN THAT THE INJURED PERSON CAN BE MOVED FIRST.

Safety Guidelines for Thea 2001/2002 Students and Design and Production Majors (Cont.)

-When done using the latex gloves: BE CERTAIN TO REMOVE THE GLOVES BY TURNING THEM INSIDE OUT BY PULLING THEM OFF BY THE CUFF. THIS KEEPS THE BLOOD INSIDE AND MINIMIZES CHANCES OF CONTACT.

Moderate injuries: Larger cuts that may require a stitch or several, severe headaches, sprains or strains, etc. An injury that requires medical attention but is not an immediate, threatening emergency.

The student may go to the ECU Student Health Center, may elect to go to the Pitt County Memorial Hospital Emergency Room, or go to their own physician. If the Rescue Squad is called, all of the above statements remain true. At their discretion, the ECU Police will sometimes transport an injured person to the Pitt County Memorial Hospital Emergency Room. FOLLOW ALL GUIDELINES ABOVE CONCERNING CONTACT WITH ANOTHER PERSONS BLOOD.

Minor injuries: Small cuts, nicks, scratches, burns, debris in the eyes, splinters (we do not keep tweezers in the shop), etc.

We have a first aid cabinet in the tool room that is set up to handle small emergencies such as these but nothing major. In it you will find: Band-Aids, Merthiolate, alcohol, cotton balls, eye wash, and other standard home first aid items. FOLLOW ALL GUIDELINES ABOVE CONCERNING CONTACT WITH ANOTHER PERSONS BLOOD.

General Safety Rules

1. You must wear some form of eye protection when using any cutting tool on any material.
2. No impaired behavior will be tolerated. You could injure yourself or another person. Persons who are impaired will be out of the class and all workspaces for good. A person who is taking legitimate medication and is thus impaired must tell their supervisor.
3. No “horseplay” in the workspaces.
4. Keep all work areas clean to avoid injury.
5. Avoid any action or sound that could “spook” a person and cause them to injure themselves.
6. When engaged in repetitious tasks, occasionally step away and get out of a potential “tunnel vision” state of mind.
7. When working above other people, immediately yell “**heads**” if you drop anything. The size or weight does not matter. Get into the habit. If you hear someone yell this: Cover your head with your arms. Make yourself small. Do not start running.

I have read and understand the above information: _____

Please print your name: _____ Date: _____

Sawbuck OR Mitre Box demo

Can do all four cuts except ripping

Demonstrate the controls

- On/off
- the pull handle and trigger
- bevelling/ locks and knobs
- mitering/ locks and knobs
- crosscutting/ locks and knobs

Mention stiff arming as a precaution (more important on the radial arm saw)

Demonstrate a **JIG** and explain what a **JIG** is

Re-mention **KERF** and explain which side of the mark the blade should be placed on

Have each student make a short cut