

Course Number: DS 101  
Course Title: 12" Disc Sander  
Course Time: 1 hour

Course developed by Karl Kelly for use in training at the Education Center of the Greenville Woodworkers Guild Inc. Greenville, S.C., and cannot be reproduced or used without the approval of the Mentoring Chairman of the Guild.

Safety is a personal issue. The Guild and the author do not accept responsibility for any accidents that may occur while using this guide.

## **1. COURSE OBJECTIVES**

To learn the basic safety practices for operating the disc sander.  
To learn how to sand wood  
To learn what practices are unsafe and will be prohibited

## **2. CLASS MATERIALS**

2 pcs. Lumber 1" x 6" x 18"

## **3. LESSON PLAN**

A- Explain Safety Issues

Before starting remove any wrenches or adjusting keys

Be sure work area is kept clean and you have a firm footing and the proper footwear.

Don't force the machine to do something it was not designed to do

Wear proper fitting clothing to avoid getting caught in the machine. Loose long sleeves could be a hazard. Avoid jewelry that could be caught in the machine.

Use safety glasses

Never operate any machinery while under the influence of any medications, alcohol or when tired or sleepy.

Disconnect the machine from the power source for any adjustments or servicing. Check switch to be sure it is off before plugging the cord back into the receptacle.

Do not use any accessories on the machine not designed for it.

Do not lean on the machine; it could tip over causing serious damage or injury.

Always turn off the machine before walking away. If someone walks up to you during an operation; remove your work, turn off the machine and then speak to the person.

Some dust created by sanding can contain chemicals such as lead, arsenic and chromium and can be very dangerous to your health. If in doubt use a mask.

Properly position the wood to avoid kickback.

Do not sand pieces that are too small to be properly held. DO NOT use gloves to hold pieces for sanding.

For sanding large pieces use additional support.

When in doubt about a procedure seek assistance.

This machine is not a paint remover. Paint destroys the disc.

Use common sense when operating any machine.

#### **4. Show location of:**

Power off & on switch

Location of receptacle

Location of adjustment controls

#### **5. Show how to:**

Set up miter gage for angle sanding

Set up table for miter sanding

## **6. Demonstration**