

General Safety Rules for Somerset High Tech. Ed Woodshop

- Understand and follow the safety rules and operating instructions for all tools and equipment you will be using and operating. Know the limitations and hazards associated with power tools and equipment you will be using. Observe all safety rules on equipment placard, demonstrations and lessons taught by Mr. Barron.
- Woodworking can be dangerous if safe and proper operation procedures are not followed. As with all machinery, there are certain hazards involved with the operation of the product. Using the machine with respect and caution will considerably lessen the possibility of personal injury. However, if normal safety precautions are overlooked or ignored, personal injury to the operator may result. Safety equipment such as guards, push sticks, hold-downs, feather boards, goggles, dust masks and hearing protection can reduce your potential for injury. But even the best guard won't make up for poor judgment, carelessness or inattention. Always use common sense and exercise caution in the workshop. If a procedure feels dangerous, don't try it. Figure out an alternative procedure that feels safer. REMEMBER: Your personal safety is your responsibility.
- When anybody is working in the lab..... All occupants will have and wear approved safety glasses, goggles, or shield to protect there eyes. (Eye protection must comply with ANSI Z87.1)
- Before operation any tools and equipment rings, dangling jewelry, neck ties, loose clothing and roll up baggy sleeves to above the elbows. Confine long hair and protective type footwear should be used. Where the noise exceeds the level of exposure allowed in Section 1910.05 of the OSHA Regulations: use hearing protective devices. Use a dust mask if cutting operation is dusty.
- Do not wear gloves
- Keep machine guards in place for every operation which they can be used. If any guard needs to be removed to perform the operation safely.....Mr. Barron must give the approval for the guard to be removed and the operation attempted. If a guard must be removed for any operation, make sure it is replaced immediately following completion of that operation.
- Keep the floor around the machines clean and free fro scrap material, saw dust, and any other debris that may cause danger.
- Be sure the machine work surface or table is free of all materials, tools, or scrap pieced before starting to perform your operation.

- Assure the proper exhaust ventilation is open and working properly
- Maintain a balanced stance and keep your body under control at all times.
- Do not over reach---- use a support table or have a helper take stock away from the point of cutting
- Before turning on the machine make sure others around you are clear know there responsibilities and aware the power is going to be turned on
- Give the work you are doing your undivided attention. Looking around, carrying on a conversation, and “horseplay” are careless acts that can result in serious injury
- Before performing any service or maintenance, changing bits, blades, or tools turn power off. Tag out and lock out if necessary
- Take every precaution to protect yourself, others around you and the machine itself. From improper use. Safety is a combination of using common sense, knowing how to use the machines and equipment and being alert at all times when using them
- On machines or equipment that are equipped with a manual starter make sure the start button or switch is in the “off” position before connecting power to them
- Don’t use power tools in a damp or wet location or expose them to rain. Do not use in presence of flammable liquids or gases
- Don’t force a tool, it will do a job better and be safer at the rate for which it was designed
- Use the right tool. Don’t force a tool or attachment to do a job for which it was not designed
- Use clamps or a vise to hold work when practical. It’s safer than using your hands and frees both hands to operate tool or machine
- Never leave a tool or machine running unattended. Turn power off and stay with it until it comes to a complete stop
- Always make sure the machine is at a complete “STOP” before making any adjustment
- Make all adjustments with power off

- Check to make sure all clamps, knobs and handles are securely tighten and fastened before turning power “ON”
- Never carry tool by cord or yank it to disconnect from a receptacle
- Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories
- Do not carry a plugged-in tool with finger on switch. Keep hands, body and clothing clear of blades, bits, cutters when plugging in the tool
- Safety rules decal or placard is installed on or by each machine to serve as a reminder of basic safety practice
- All power tools and equipment will be demonstrated by Mr. Barron before you are allowed to use them. Prior to the students first usage of the tool or machine the safety tests must be completed and on file with Mr. Barron. The students then will have Mr. Barron watch them use the tools and equipment there first time in Somerset High School Wood Shop. After this is completed the students then has permission to use and operate the completed tool or machine during class time.
- Do not operate any tool or machine while under the influence of drugs, alcohol, or any medication. If you are extremely tired or distraught think twice before using any of the equipment. **Your safety comes first!**
- **WARNING:** Some dust created by power sanding, sawing, grinding, drilling and other construction activities contains chemicals know to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are :
 - lead from lead-based paint,
 - crystalline silica from bricks and cement and other masonry products,
 - Arsenic and chromium form chemically-treated lumber.Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area. And work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.
- Additional Information regarding the safe and proper operation of other power tools and equipment is available from the National Safety Council, 1121 Spring Lake Drive. Itasca, IL 60143-3201, in the Accident Prevention Manual for Industrial Operations and also in the Safety Data Sheets provided by the NSC. Please also refer to the American National Standards Institute ANAI 01.1 Safety Requirements for Woodworking Machinery and the U.S. Department of Labor OSHA 1910.213 Regulations. (September 15, 2005)