
Construction Tech 1

Health and Safety

Personal Protective Equipment

PPE is equipment designed to protect you from injuries and infections. Hazards addressed by protective equipment include (but not limited to) physical, electrical, heat, chemicals, biohazards, and airborne matters.

PPE equipment should be kept in good and working conditions. It is important that each equipment is inspected for safe use EVERYDAY.

Common Types of PPE

Safety Glasses



Hearing Protection



Gloves



Hard Hats



Breathing Protection



Aprons



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- ❖ Safety Glasses should be worn AT ALL TIMES while in the shop. (Sun glasses are not allowed)
 - ❖ Long hair must be tied back in such a way that it is not loose or exposed to equipment.
 - ❖ No loose clothing or objects are allowed. (No lanyards, strings on jackets/hoodies must be tied back or tucked away. No long pieces of jewelry.)
 - ❖ Only closed toed shoes are allowed in the shop.
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- ❖ When wearing gloves or aprons. Make sure that they fit comfortably and not loosely.
 - ❖ Ear protection must be worn around loud equipment.
 - ❖ Dust mask must be worn when working around saw dust and debris.
 - ❖ Painting and staining should only be done in well ventilated areas.
 - ❖ Used rags are to be kept in a covered red metal container.
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- ❖ Each student MUST have the instructors permission for the day to handle any equipment in the shop. Instructor must be present for equipment to be in use and operated.
 - ❖ ALL accidents or injuries MUST IMMEDIATELY be reported to the instructor.
 - ❖ Each student must pass the Lab Safety Test prior to operating machinery. Each student must give a hands on demonstration prior to operating machinery. Each student must wear PPE at all times while operating machinery.
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Safe Shop Practices

- Prior to operation, each and every hand tool, power tool and machinery should be evaluated and inspection. NEVER use defective equipment. Report any defects or damages to the instructor immediately.
 - Ensure that the floor and surrounding operating area is kept clear, clean of debris and tripping hazards. Saw dust can make the floor slippery. Use brooms and brushes to clear away scraps and sawdust.
 - Keep vises closed when they are not in use.
 - Be mindful of those around you using equipment. Their focus is on that equipment. Use hand signals if you need too. NEVER approach someone from behind whom is using equipment.
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- Always ask for help when you need to handle large or heavy material.
 - Always ask the instructor for help if you are unsure of how to operate machinery or tools.
 - Never handle tools or equipment if your hands are wet or slippery. Specifically electrical equipment.
 - Don't yank on the power cord to disconnect a tool. Gently pull the plug.
 - Never remove and safety guards that are on the equipment.
 - Always disconnect the equipment completely and ensure that no parts are moving BEFORE making any adjustments.
 - You must stay with the machine after turning it off, until it is completely stopped.
 - Always work at a safe speed.
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Tool Safety:

- When using sharp tools, always cut away from your body.
 - To carry sharp edged tools, you should always carry them with the cutting edge pointing down.
 - Tools should be used only for what they are designed to do. (Don't use the end of a screwdriver as a hammer.)
 - Tools should always be held and carried by their handle.
 - When you are finished with a tool, return it to its assigned storage area.
 - Using hand tools requires your complete attention at all times.
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- ❑ Absolutely no horse playing of any kind is allowed in the shop.
 - ❑ Absolutely no running is allowed in the shop or in the classroom.
 - ❑ No cell phones or headphones are allowed in the shop.

**FAILURE TO COMPLY WITH THESE SAFETY GUIDELINES,
WILL RESULT IN DISCIPLINARY ACTIONS AND REMOVAL
OF SHOP PRIVILEGES.**
