

Tool Box

Competencies Learned:

1.A.02.03	Identify, describe and demonstrate personal, shop and job site safety practices and procedures
1.A.02.04	Demonstrate safe dress and use of relevant safety gear, personal protective equipment (PPE) and ergonomics, e.g., wrist rests, adjustable workspaces, equipment, gloves, proper footwear, earplugs, eye protection and breathing apparatus.
1.A.02.05	Demonstrate appropriate safe body mechanics, including appropriate lifting techniques and ergonomics.
1.A.02.06	Locate emergency equipment, first aid kit, SDS information directories and emergency action/response plan/escape routes in your lab, shop and classroom, including labels and signage that follow OSHA Hazard Communication Program (HAZCOM), eyewash stations, shower facilities, sinks, fire extinguishers, fire blankets, telephone, master power switches and emergency exits.
1.A.02.07	Demonstrate the safe use, storage, and maintenance of every piece of equipment in the lab, shop and classroom, e.g., the OSHA Lockout/Tagout Program (LOTO).
1.A.02.08	Describe safety practices and procedures to be followed when working with and around electricity, e.g., ground fault circuit interrupter (GFCI) and frayed wiring.
2.A.01.01	Demonstrate use, storage, and maintenance of all related hand and power tools, according to current industry and OSHA standards.
2.B.02.02	Identify and define object lines and dimension lines.
2.B.02.03	Identify and define hidden lines and centerlines.
2.B.05.01	Develop a stock list.
2.B.05.02	Develop a true cost for the items on the stock list.
2.B.05.03	Determine the delivery method and time frame for the stock list.
2.B.05.04	Identify the supplier and contact information.
2.D.01.01	Identify and describe the types of building materials.
2.D.01.02	Describe the use of different types of building materials.
2.D.04.01	Read a tape measure to 1/16th of an inch.
2.D.04.02	Add/subtract fractions.

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2.D.06.01	Describe the best practices for storing materials.
2.E.01.01	Demonstrate use and maintenance of layout, marking, and measuring tools.
2.E.01.02	Demonstrate use and maintenance of fastening, clamping, and dismantling tools.
2.E.01.03	Demonstrate use and maintenance of sawing tools.
2.E.01.04	Demonstrate use and maintenance of drilling and boring tools
2.E.01.05	Demonstrate use and maintenance of planing, smoothing, and shaping tools
2.F.01.01	Demonstrate the use and maintenance of a portable circular saw.
2.F.01.02	Demonstrate the use and maintenance of a portable power miter box.
2.F.01.03	Demonstrate the use and maintenance of a portable table saw.
2.F.01.04	Demonstrate the use and maintenance of reciprocating saws.
2.F.02.01	Demonstrate the use and maintenance of portable drills.
2.F.04.01	Demonstrate the use and maintenance of a screw gun.