Soldering Safety Certification Guide

Make sure you know what is in your solder, it is not always apparent on the label. If in doubt, ask.

Use lead-free solders.

Lead can give rise to serious chronic health effects. Exposure will primarily be through accidental ingestion from your skin, wear gloves if directly handling solder.

Always wash your hands with soap and water after soldering, and don't breathe in the fumes.

Never touch the element of the soldering iron....350°C!

Hold wires to be heated with tweezers or clamps, not your hands!

Keep the cleaning sponge wet during use, to clean the tip of the iron, wipe it gently on the sponge.

Make all soldering preparations before removing iron to solder. Should you be interrupted or distracted return the soldering iron to its stand. Never put the iron down on the workbench.

Turn unit off and unplug when not in use.

Wear eye protection. Solder can "spit".

Make sure the ventilation system is on while soldering, and that it stays on. Do not breathe fumes, avoid inhaling the smoke from the solder - Rosin contained in the flux can cause respiratory illnesses and asthma.

Do not use soldering irons that have obvious damage to body, cable or plug. Let an instructor know if any equipment is damaged.

Keep the soldering station free of electrical cables to prevent damage from the heated tip.

Work on a fire-proof or fire resistant surface (we use grill mats.)

Wear fire resistant clothing (e.g. natural fibers) that covers your arms and legs to prevent accidental burns.

Know where your nearest fire extinguisher is and how to use it (at the front of the room by the hall door.)

Immediate place any burns under cold water for 15 minutes.

Collect waste solder and other soldering debris in the labeled waste solder container. Replace lid when not in use.

Once you have read and understand these guidelines, you may take the Soldering Safety Certification Test by clicking here.