

Soldering Iron

About	A soldering iron is a handheld heating element used in electronics assembly and repair. It heats solder wire to liquify it and let it flow between electronic components, creating an electrical connection at the joint.
Category	Electronics
Location	Front Room
Brand /Model	Weller WES51
Status	AVAILABLE
Materials	<ul style="list-style-type: none">• Lead-free solder• Rosin flux• Solder paste



Standard Operating Procedure



Google Apps Sign-in Required

You must login to your [uAlberta Google apps](#) account to access these files.

Training

Sign up for training here: [Training Registration Calendar](#)

Training	Type	Time Estimate	Prerequisites	Checklist/Document
SI - Training 1	ON-MACHINE	30 min	None	

Documentation

**Google Apps Sign-in Required**

You must login to your [uAlberta Google apps](#) account to access these files.

Safety Data Sheets	Solder Wire (Lead Free, 0.031 in.) Flux Paste (Oatey) Ra Rosin Flux Paste (MG Chemicals)
Hazard Assessments	
Application Resources	Adafruit Guide to Excellent Soldering
Manufacturer's Manuals	