**Filling the Gap Outline**

Materials

* 6” piece of 1-inch square tubing
* Arc-welder
* 6011 rods
* Welding hood
* Welding gloves
* Angle grinder
* Water access
* **Step 1**
	+ Pick end of the tubing
	+ Weld a small bead across the width of the tubing
	+ Care should be taken not to burn through the wall of the tubing
* **Step 2**
	+ Weld an overlapping bead across the original pass
	+ Repeat this process until the gap is completely enclosed
* **Step 3**
	+ Grind off the weld flush with the end of the tubing
* **Step 4: THE TEST**
	+ Add water to the open end of your piece of tubing
	+ Watch for water penetrating through the welding end
	+ If water is visible, repeat the process