

# Spark Your Project

## DIY Welding Project: Welcome Sign

### Tools & Materials Needed:

- Hobart® AirForce® 27i plasma cutter
- Hobart® Handler® 210MVP MIG welder
- 1 – 1' x 4' x 1/8" Mild steel sheet
- 1 – 2' x 2' x 1/8" Mild steel sheet
- Tape measure
- Hobart® paint marker
- Letter stencils
- Leaf stencils
- Tape
- Clamp
- Scrap metal for straight edge



### Steps:



**STEP 1**  
Make a center mark 2" from the top of the 1' x 4' x 1/8" mild steel sheet.



**STEP 2**  
Tape the letter stencils down on the 1' x 4' x 1/8" mild steel sheet.



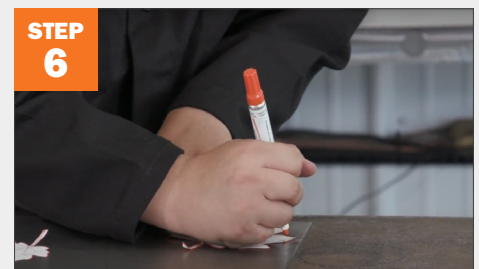
**STEP 3**  
Mark a 1/2" below each letter



**STEP 4**  
Trace each letter using the stencils.



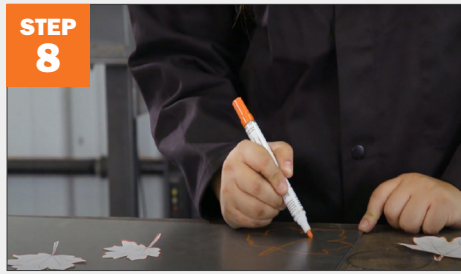
**STEP 5**  
Remove the letter stencils.



**STEP 6**  
Trace the leaves on the 2' x 2' x 1/8" mild steel sheet.



Remove the leaf stencils.



Add details to the leaves.



Move material to hang off table, so you are not cutting on the table, secure with a clamp.



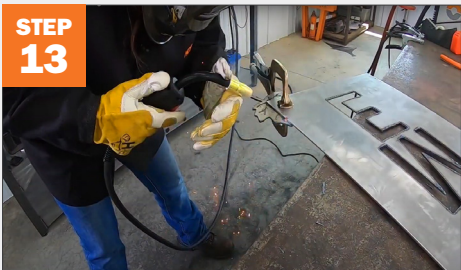
Cut out details on the inside of the leaves.



Cut out the outline of leaves.



Cut out the inside of each letter, using a scrap piece of metal for a straight edge.



Use the Hobart® Handler® 210MVP MIG welder to tack weld the leaves to the sign.



Add finishing touches, such as paint.

**Full Video:** <https://youtu.be/uFsAJeRPQn8>

**For more project ideas visit [HOBARTWELDERS.COM](https://www.hobartwelders.com)**