

Jimmy's Fabrication Syllabus—Spring 2022

Be There or Be Square—Metal Fabrication Techniques

Week 1

- Layout
 - Using Tools, Jigs, Fixtures, Grass Roots Tools (homemade/custom)

Week 2

- Procedures
 - Choosing the correct materials and the appropriate, related welding process, Strong-backs, Welding out-of-position, Intermittent welding

Week 3

- Drilling, Tapping, and Machining
- Using fasteners hardware
- Using abrasives
- Finishing and painting

Week 4

- Pipe Fabrication
 - Review pipe fitting tools, layout,
 - Designing stands such as tri-stands

Week 5

- Fabricating with Different Materials
 - Mild steel
 - Aluminum
 - Stainless
 - Copper

Weeks 6 – 10

- *Build Something!*