Shielded Metal Arc Welding

Recommended 8 hours per lesson

1. Lesson 1
   a. SMAW Safety
   b. SMAW Machine Principles and Terms
   c. Welding Electrode Classifications
   d. Lab SMAW welding practice flat position

2. Lesson 2
   a. SMAW welding equipment and accessories
   b. Type of materials joined using SMAW
   c. Determining different materials to be joined
   d. Quiz 1
   e. Lab SMAW welding flat and horizontal and root passes with 6010 electrode

3. Lesson 3
   a. SMAW welding weave and motion techniques
   b. Different types of weld joints
   c. Quiz 2
   d. Lab SMAW welding vertical

Please call Workforce Development at 353-3456 for further information. Thank you.
4. Lesson 4  
   a. SMAW welding recognizing discontinuities and defects  
   b. SMAW – preventing discontinuities and defects  
   c. Quiz 3  
   d. Lab Practice welding vertical and overhead  

5. Lesson 5  
   a. Plasma/ Oxygen / Acetylene Safety Principles  
   b. Plasma Cutting/Oxygen/Acetylene terminology/ parts of the Oxy/acetylene torch  
   c. Final Comprehensive Quiz  
   d. Labs Oxygen Acetylene torch practice  

Don’t have welding trainers at your company? Don’t worry, we do and we’ll bring them to your location! 

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