NORTH CAROLINA CAREER AND TECHNICAL EDUCATION STANDARDS

Trade, Technology, Engineering, and Industrial Education

Grade: Grade 9 - 12
Course: Welding Technology II `Updated`

NCCTE.2020.IM62 - Welding Technology II

NCCTE.2020.IM62.01.00 - Apply procedures to complete AWS SENSE Module 1 - Occupational Orientation

NCCTE.2020.IM62.01.01 - Prepare time or job cards, reports or records.

NCCTE.2020.IM62.01.02 - Perform housekeeping duties.

NCCTE.2020.IM62.01.03 - Follow verbal instructions to complete work assignments.

NCCTE.2020.IM62.01.04 - Follow written instructions to complete work assignments.

NCCTE.2020.IM62.02.00 - Apply procedures to complete AWS SENSE Module 3 - Drawing and Welding Symbol Interpretation

NCCTE.2020.IM62.02.01 - Interpret basic elements of a drawing or sketch.

NCCTE.2020.IM62.02.02 - Interpret welding symbol information.

NCCTE.2020.IM62.02.03 - Fabricate parts from a drawing or sketch.

NCCTE.2020.IM62.03.00 - Apply procedures to complete AWS SENSE Module 4 - Shielded Metal Arc Welding (SMAW) Electrodes

NCCTE.2020.IM62.03.01 - Demonstrate the proper applications of various electrodes.

NCCTE.2020.IM62.03.02 - Describe electrode identification

NCCTE.2020.IM62.04.00 - Apply procedures to complete AWS SENSE Module 4 - Shielded Metal Arc Welding (SMAW) Groove Weld Prep

NCCTE.2020.IM62.04.01 - Set up for SMAW operations on carbon steel for groove welds.

NCCTE.2020.IM62.04.02 - Demonstrate proper welder settings depending on groove weld application

NCCTE.2020.IM62.05.00 - Perform procedures to complete AWS SENSE Module 4 - Shielded Metal Arc Welding (SMAW) Groove Weld

NCCTE.2020.IM62.05.01 - Make groove weld in all positions on carbon steel.

NCCTE.2020.IM62.05.02 - Set up for SMAW operations on carbon steel for groove welds.

NCCTE.2020.IM62.05.03 - Operate SMAW equipment on carbon steel for groove welds.

NCCTE.2020.IM62.05.04 - Pass SMAW welder performance qualification test (2G and 3G, uphill, limited thickness test plates) on carbon steel.

NCCTE.2020.IM62.06.00 - Apply procedures to complete AWS SENSE Module 9 - Welding Inspection and Testing

NCCTE.2020.IM62.06.01 - Examine cut surfaces and edges of prepared base metal parts.

NCCTE.2020.IM62.06.02 - Examine tacks, root passes, intermediate layers, and completed welds.