Kentucky CTE

Advanced Manufacturing: Welding Technology: Blueprint Reading for Welding 480505 (2026–2027)

Practice and perform safe shop procedures at all times. 1

1 Practice and perform safe shop procedures at all times. 1

Apply the technical math required for employment opportunities in welding. 2

2 Apply the technical math required for employment opportunities in welding. 2

Perform all duties with emphasis on integrity, responsibility, quality, discipline and teamwork. 3

3 Perform all duties with emphasis on integrity, responsibility, quality, discipline and teamwork. 3

Interpret lines. 4

4 Interpret lines. 4

Interpret views to include AWS and ISO symbols when needed. 5

5 Interpret views to include AWS and ISO symbols when needed. 5

Interpret conventional and datum line dimensions. 6

6 Interpret conventional and datum line dimensions. 6

Interpret and apply tolerances. 7

7 Interpret and apply tolerances. 7

Int Skip to main content nterpret section lines. 8

Interpret sectioning. 9	**9 Interpret sectioning.** 9
Interpret and apply American Welding Society welding symbols. 10	**10 Interpret and apply American Welding Society welding symbols.** 10
Interpret and apply International Standard welding symbols. 11	**11 Interpret and apply International Standard welding symbols.** 11
Draw shop sketches. 12	**12 Draw shop sketches.** 12
Interpret various types of prints, including fabrication, repair, structural steel, and piping prints. 13	**13 Interpret various types of prints, including fabrication, repair, structural steel, and piping prints.** 13
Read and interpret blueprints. 14	**14 Read and interpret blueprints.** 14
Complete projects from prints. 15	**15 Complete projects from prints.** 15
Practice controlling distortion. 16	**16 Practice controlling distortion.** 16
Practice repairing distortion. 17	**17 Practice repairing distortion.** 17