

CTE Skill Certificate Test Performance Documentation

This document must be submitted to the test coordinator at the end of testing each trimester/semester.

Instructor's Name: _____ Course: Machinist Technician/CNC (Lathe)
School: _____ Test Number: 582
Students in course: _____ Date: _____
Students tested: _____
Students who passed performance objectives at or above 80%: _____

This is to *verify* that the students marked **YES** on performance accomplished the following performance objectives at or above the 80% (moderately to highly skilled) level.

1. Students will be able to understand safe practices and professional machine shop procedures.
 - Follow safety manuals and all safety regulations and requirements.
 - Use protective equipment.
 - Follow safe operating procedures for hand and power machine tools.
 - Maintain a clean and safe work environment.
 - Request a courtesy UOSHA or State Risk Management inspection at least every 2 years.
2. The student will be able to apply mathematical concepts.
 - Perform basic arithmetic functions - Add, subtract, multiply, and divide.
 - Convert fractions to decimal equivalents.
 - Convert metric to inch measurements.
 - Calculate speeds and feeds for machining.
 - Locate basic machining points from a Datum Point.
 - Calculate for direct, simple, and angular indexing.
3. The student will be able to interpret engineering drawings and control documents.
 - Review blueprint notes and dimensions.
 - Identify basic layout of drawings.
 - Identify basic types of drawings.
 - List the purpose of each type of drawing.
 - Verify drawing elements.
 - Practice geometric dimensioning and tolerancing (GD&T) methodology.
4. The student will be able to recognize different manufacturing materials and processes.
 - Identify common materials and explain their desired properties.
5. The student will be able to properly perform measurement/inspection.
 - Select proper measurement tools as they best relate to part characteristics and specified accuracy.
 - Apply proper measuring techniques.
 - Accurately perform measurements with hand-held instruments.
 - Accurately perform measurements on surface plate.
6. The student will be able to understand planning and hand tools.
 - Prepare and plan for machining operations.
 - Demonstrate proper use of hand tools.
7. The student will be able to understand and demonstrate the use of metal lathes.
 - Demonstrate proper use of metal lathes.

Each performance is documented and kept on file by the teacher for two years.
(Check the documentation method used)

- Class period summary score sheet
- Recorded and identified in the class grade book

Instructor's Signature: _____ Date: _____