Mission Statement

Measures

Machine Tool Technology Outcome Set

Learning Outcome: Machining skills
Apply basic machining skills per industry standard

Measure: Skills USA CNC Milling and Turning Assessment
Program level Direct - Exam

Details/Description: The mean score will be equal to or greater than the national average. 50% or more of the students will score above the national average.

Acceptable Target: The mean score will be equal to or greater than the national average. 50% or more of the students will score above the national average.

Ideal Target: The mean score will be 10% greater than the national average. 60% or more of the students will score above the national average.

Implementation Plan (timeline): Spring 20

Key/Responsible Personnel: Kevin Huwe/Tony Hanson
Learning Outcome: CNC programming
Demonstrate knowledge of CNC programming per industry standards

Measure: Skills USA CNC Milling and Turning Assessment
Program level Direct - Exam

Details/Description:
Acceptable Target: The mean score will be equal to or greater than the national average. 50% or more of the students will score above the national average.
Ideal Target: The mean score will be 10% greater than the national average. 60% or more of the students will score above the national average.

Implementation Plan (timeline):
Spring 20

Key/Responsible Personnel:
Kevin Huwe/Tony Hanson

Learning Outcome: CNC setup
Set up a CNC machine per industry standard

Measure: Skills USA CNC Milling and Turning Assessment
Program level Direct - Exam

Details/Description:
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Ideal Target: The mean score will be 10% greater than the national average. 60% or more of the students will score above the national average.

Implementation Plan (timeline):
Spring 20
Learning Outcome: Mathematical calculations
Perform mathematical calculations as needed for calculating speeds, feeds, program coordinates, and angles.

Measure: Skills USA CNC Milling and Turning Assessment
Program level Direct - Exam

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Ideal Target: The mean score will be 10% greater than the national average. 60% or more of the students will score above the national average.

Implementation Plan (timeline):
Spring 20

Key/Responsible Personnel: Kevin Huwe/Tony Hanson

Learning Outcome: Blueprint reading
Communicate and demonstrate an understanding of all symbols on a blueprint

Measure: Skills USA CNC Milling and Turning Assessment
Program level Direct - Exam

Key/Responsible Personnel: Kevin Huwe/Tony Hanson
Details/Description:
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Ideal Target: The mean score will be 10% greater than the national average. 60% or more of the students will score above the national average.
Implementation Plan (timeline): Spring 20
Key/Responsible Personnel: Kevin Huwe/Tony Hanson

Learning Outcome: Work inspection
Inspect work per industry standards

Measure: Skills USA CNC Milling and Turning Assessment
Program level Direct - Exam
Details/Description:
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Ideal Target: The mean score will be 10% greater than the national average. 60% or more of the students will score above the national average.
Implementation Plan (timeline): Spring 20
Key/Responsible Personnel: Kevin Huwe/Tony Hanson