

2019-2020 Assessment Cycle

Assessment Plan

Mission Statement

Measures

Mechanical Drafting, Design, & Eng Technology Outcome Set

Learning Outcome

Learning Outcome: Drafting Scale

Select the appropriate scale for the given drawing problem according to ANSI Standards

▼ **Measure:** SkillsUSA Technical Drafting Assessment
Program level Direct - Exam

Details/Description:

Acceptable Target:

The mean score will be equal to the national average. 50% of the students will score above the national average.

Ideal Target:

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

Implementation Plan
(timeline):

Spring 20

Key/Responsible

Kohls

Personnel:

Learning Outcome: Sketching knowledge

Apply sketching knowledge and techniques to solve the problem identified by the technical committee according to ANSI standards

▼ **Measure:** SkillsUSA Technical Drafting Assessment
Program level Direct - Exam

Details/Description:

Acceptable Target:

The mean score will be equal to the national average. 50% of the students will score above the national average.

Ideal Target:

The mean score will be 10% or more above the national average. 60% or more of the students will score above the national average.

Implementation Plan
(timeline):

Spring 20

Key/Responsible

Kohls

Personnel:

Learning Outcome: Orthographic Projections

Apply knowledge of orthographic projections to solve technical drafting problems according to ANSI standards

▼ **Measure:** SkillsUSA Technical Drafting Assessment
Program level Direct - Exam

Details/Description:

Acceptable Target:

The mean score will be equal to the national average. 50% of the students will score above the national average.

Ideal Target:

The mean score will be 10% or more above the national average. 60% or more of the students will score above the national average.

Implementation Plan (timeline):	Spring 20
Key/Responsible Personnel:	Kohls

Learning Outcome: Auxilliary views

Utilize knowledge of auxiliary views to solve technical drafting problems according to ANSI standards

▼ **Measure:** SkillsUSA Technical Drafting Assessment
Program level Direct - Exam

Details/Description:

Acceptable Target:

The mean score will be equal to the national average. 50% of the students will score above the national average.

Ideal Target:

The mean score will be 10% or more above the national average. 60% or more of the students will score above the national average.

Implementation Plan (timeline):	Spring 20
Key/Responsible Personnel:	Kohls

Learning Outcome: Sectioning

Apply knowledge of sectioning to solve technical drafting problems according to ANSI standards

▼ **Measure:** SkillsUSA Technical Drafting Assessment
Program level Direct - Exam

Details/Description:

Acceptable Target:

The mean score will be equal to the national average. 50% of the students will score above the national average.

Ideal Target:

The mean score will be 10% or more 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:

Kohls

Learning Outcome: Dimensioning and Tolerancing

Implement techniques in dimensioning and tolerancing including geometric dimensioning and tolerances to solve technical drafting problems according to ANSI standards

▼ **Measure:** SkillsUSA Technical Drafting Assessment
Program level Direct - Exam

Details/Description:

Acceptable Target:

The mean score will be equal to the national average. 50% of the students will score above the national average.

Ideal Target:

The mean score will be 10% or more above the national average. 60% or more of the students will score above the national average.

Implementation Plan
(timeline):

Spring 20

Key/Responsible
Personnel:

Kohls

Learning Outcome: Detail and Assembly

Apply knowledge of detail and assembly drawings

- ▼ **Measure:** SkillsUSA Technical Drafting Assessment
Program level Direct - Exam

Details/Description:

Acceptable Target:

The mean score will be equal to the national average. 50% of the students will score above the national average.

Ideal Target:

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

Implementation Plan
(timeline):

Spring 20

Key/Responsible
Personnel:

Kohls

Learning Outcome: Fasteners and Hardware

Demonstrate knowledge of fasteners and hardware

- ▼ **Measure:** SkillsUSA Technical Drafting Assessment
Program level Direct - Exam

Details/Description:

Acceptable Target:

The mean score will be equal to the national average. 50% of the students will score above the national average.

Ideal Target:

The mean score will be 10% or more above the national average. 60% or more of the students will score above the national average.

Implementation Plan (timeline):	Spring 20
Key/Responsible Personnel:	Kohls

Learning Outcome: Presentation/Pictorial drawings

Demonstrate knowledge of presentation/pictorial drawings

Marked obsolete by Alexandria Technical and Community College Manager on 02/04/2016 5:03:05 pm CDT

▼ **Measure:** SkillsUSA Technical Drafting Assessment
Program level Direct - Exam

Details/Description:

Acceptable Target:	National Average
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Ideal Target:	> national average
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Implementation Plan (timeline):	Spring 20
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Key/Responsible Personnel:	Kohls
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Learning Outcome: Construction materials

Demonstrate knowledge of construction materials and methods

▼ **Measure:** SkillsUSA Technical Drafting Assessment
Program level Direct - Exam

Details/Description:

Acceptable Target:	The mean score will be equal to the national
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Ideal Target:

average. 50% of the students will score above the national average.

The mean score will be 10% or more above the national average. 60% or more of the students will score above the national average.

Implementation Plan (timeline):

Spring 20

Key/Responsible Personnel:

Kohls

Learning Outcome: CAD software

Utilize CAD software to create a computer-generated 3-D model and drawing

▼ **Measure:** SkillsUSA Technical Drafting Assessment
Program level Direct - Exam

Details/Description:

Acceptable Target:

The mean score will be equal to the national average. 50% of the students will score above the national average.

Ideal Target:

The mean score will be 10% or more above the national average. 60% or more of the students will score above the national average.

Implementation Plan (timeline):

Spring 20

Key/Responsible Personnel:

Kohls

Learning Outcome: Mathematical formulas

Apply reference materials and relevant mathematical formulas to assigned problems

▼ **Measure:** SkillsUSA Technical Drafting Assessment
Program level Direct - Exam

Details/Description:

Acceptable Target:

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Ideal Target:

The mean score will be 10% or more above the national average. 60% or more of the students will score above the national average.

Implementation Plan
(timeline):

Spring 20

Key/Responsible
Personnel:

Kohls

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