

2010-2011 Assessment Cycle (2010-2011Assessment Cycle)

Assessment Plan

Mission Statement

Learning Outcomes and Measures

Mechanical Drafting, Design, & Eng Technology Outcome Set

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: National Average

Ideal Target: > national average

Implementation Plan (timeline):

Key/Responsible Personnel:

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: National Average

Ideal Target: > national average

Implementation Plan (timeline):

Key/Responsible Personnel:

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: National Average

Ideal Target: > national average

Implementation Plan (timeline):

Key/Responsible Personnel:

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: National Average

Ideal Target: > national average

Implementation Plan (timeline):

Key/Responsible Personnel:

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: National Average

Ideal Target: > national average

Implementation Plan (timeline):

Key/Responsible Personnel:

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: National Average

Ideal Target: > national average

Implementation Plan (timeline):

Key/Responsible Personnel:

Detail and Assembly

Apply knowledge of detail and assembly drawings

▼ Measure: SkillsUSA Technical Drafting Assessment

Program level: Direct - Exam

Details/Description:

Acceptable Target: National Average

Ideal Target: > national average

Implementation Plan (timeline):

Key/Responsible Personnel:

Fasteners and Hardware

Demonstrate knowledge of fasteners and hardware

▼ Measure: SkillsUSA Technical Drafting Assessment

Program level: Direct - Exam

Details/Description:

Acceptable Target: National Average

Ideal Target: > national average

Implementation Plan (timeline):

Key/Responsible Personnel:

Presentation/Pictorial drawings

Demonstrate knowledge of presentation/pictorial drawings

▼ Measure: SkillsUSA Technical Drafting Assessment

Program level: Direct - Exam

Details/Description:

Acceptable Target: National Average

Ideal Target: > national average

Implementation Plan (timeline):

Key/Responsible Personnel:

Construction materials

Demonstrate knowledge of construction materials and methods

▼ Measure: SkillsUSA Technical Drafting Assessment

Program level: Direct - Exam

Details/Description:

Acceptable Target: National Average

Ideal Target: > national average

Implementation Plan (timeline):

Key/Responsible Personnel:

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: National Average
Ideal Target: > national average
Implementation Plan (timeline):
Key/Responsible Personnel:

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: National Average
Ideal Target: > national average
Implementation Plan (timeline):
Key/Responsible Personnel:

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