

2013-2014 Assessment 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): Spring 14

Key/Responsible Personnel: Kohls

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): Spring 14

Key/Responsible Personnel: Kohls

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): Spring 14

Key/Responsible Personnel: Kohls

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): Kohls

Key/Responsible Personnel: Spring 14

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): Spring 14

Key/Responsible Personnel: Kohls

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): Spring 14

Key/Responsible Personnel: Kohls

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): Spring 14

Key/Responsible Personnel: Kohls

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): Spring 14

Key/Responsible Personnel: Kohls

Presentation/Pictorial drawings

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

Demonstrate knowledge of presentation/pictorial drawings

Details/Description:

Acceptable Target: National Average

Ideal Target: > national average

Implementation Plan (timeline): Spring 14

Key/Responsible Personnel: Kohls

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): Spring 14

Key/Responsible Personnel: Kohls

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): Spring 14

Key/Responsible Personnel: Kohls

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): Spring 14

Key/Responsible Personnel: Kohls
