

Assessment Plan 2023-2024
 Mechanical Drafting, Design, & Eng Technology

Academic year 2023-2024
 Mechanical Drafting, Design, & Eng Technology Learning Outcomes

Detail and Assembly

Apply knowledge of detail and assembly drawings

MEASURES	RESULTS	ACTIONS
<p>SkillsUSA Technical Drafting Assessment</p> <p>Implementation Plan (timeline) Spring</p> <p>Key/Responsible Personnel Chad Kohls</p> <p>Direct - Exam (Course)</p> <p>Target</p> <p>50% of the students will score above the national mean.</p>	<p><i>No results have been added.</i></p>	<p><i>No actions have been added.</i></p>
<p>SkillsUSA Technical Drafting Assessment</p> <p>Implementation Plan (timeline) Spring</p> <p>Key/Responsible Personnel Chad Kohls</p> <p>Direct - Exam (Course)</p> <p>Target</p> <p>The mean score will be equal to the national mean.</p>	<p><i>No results have been added.</i></p>	<p><i>No actions have been added.</i></p>

Orthographic Projections

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

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Sectioning

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

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SkillsUSA Technical Drafting Assessment Implementation Plan (timeline) Spring Key/Responsible Personnel Chad Kohls Direct - Exam (Course) Target The mean score will be equal to the national mean.	<i>No results have been added.</i>	<i>No actions have been added.</i>

Mathematical formulas

Apply reference materials and relevant mathematical formulas to assigned problems

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SkillsUSA Technical Drafting Assessment Implementation Plan (timeline) Spring Key/Responsible Personnel Chad Kohls Direct - Exam (Course) Target The mean score will be equal to the national mean.	<i>No results have been added.</i>	<i>No actions have been added.</i>

Sketching knowledge

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

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Fasteners and Hardware

Demonstrate knowledge of fasteners and hardware

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SkillsUSA Technical Drafting Assessment Implementation Plan (timeline) Spring Key/Responsible Personnel Chad Kohls Direct - Exam (Course) Target The mean score will be equal to the national mean.	<i>No results have been added.</i>	<i>No actions have been added.</i>

Dimensioning and Tolerancing

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

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Drafting Scale

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

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CAD software

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

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Auxilliary views

Utilize knowledge of auxiliary views to solve technical drafting problems according to ANSStandards

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