

2016-2017 Assessment Cycle

Assessment Plan

Mission Statement

Measures

Marine and Small Engine Mechanic Outcome Set

Learning Outcome

Ignition, Charging, Fuel and Governor Systems

Demonstrate and understand Ignition, Charging, Fuel and Governor Systems

▼ **Measure:** SkillsUSA Power Equipment Technology Assessment
Program level; Direct - Exam

Details/Description: After completion of first year

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 than the national average. 60% or more of the students will score above the national average.

Implementation Plan (timeline): Fall 16

Key/Responsible Personnel: Mark Lindemann

Starter, Cooling, and Lubrication systems

Demonstrate and Understand Starter, Cooling, and Lubrication systems

▼ **Measure:** SkillsUSA Power Equipment Technology Assessment
Program level; Direct - Exam

Details/Description: After completion of first year.

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): Fall 16

Key/Responsible Personnel: Mark Lindemann

Valves, Exhaust and Engine Block Systems

Demonstrate an understanding of Valves, Exhaust and Engine Block Systems

▼ **Measure:** SkillsUSA Power Equipment Technology Assessment
Program level; Direct - Exam

Details/Description: After completion of first year.

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): Fall 16

Key/Responsible Personnel: Mark Lindemann

Diagnostic and Failure Analysis

Demonstrate an understanding of diagnostic methods and failure analysis

▼ **Measure:** SkillsUSA Power Equipment Technology Assessment
Program level; Direct - Exam

Details/Description: After 1 year

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): Fall 16

Key/Responsible Personnel: Mark Lindemann

Shop Procedures

Demonstrate an understanding of proper shop procedures

▼ **Measure:** SkillsUSA Power Equipment Technology Assessment
Program level; Direct - Exam

Details/Description: After 1 year

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): Fall 16

Key/Responsible Personnel: Mark Lindemann

Transmission/Power Train

Demonstrate an understanding of Transmissions and power trains

▼ **Measure:** SkillsUSA Power Equipment Technology Assessment
Program level; Direct - Exam

Details/Description: After 1 year

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): Fall 16

Key/Responsible Personnel: Mark Lindemann

Business Operations

Demonstrate proper business operations

▼ **Measure:** SkillsUSA Power Equipment Technology Assessment
Program level; Direct - Exam

Details/Description: After 1 year

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): Fall 16

Key/Responsible Personnel: Mark Lindemann

Shop Practices

Demonstrate general shop practices

▼ **Measure:** Skills USA Workforce Ready System- Marine Service Technology
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): Fall 16

Key/Responsible Personnel: Mike Pierskella

Utilize marine engine components and theory of operation

▼ **Measure:** Skills USA Workforce Ready System- Marine Service Technology
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): Fall 16

Key/Responsible Personnel: Mike Pierskalla

Engine installations

Display knowledge of industry standards related to engine installations

▼ **Measure:** Skills USA Workforce Ready System- Marine Service Technology
Program level; Direct - Exam

Details/Description:

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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): Fall 16

Key/Responsible Personnel: Mike Pierskalla

Marine Electrical Systems

Exhibit knowledge of marine electrical systems

▼ **Measure:** Skills USA Workforce Ready System- Marine Service Technology
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): Fall 16

Key/Responsible Personnel: Mike Pierskalla

Marine Fuel System

Utilize knowledge of marine fuel system services

▼ **Measure:** Skills USA Workforce Ready System- Marine Service Technology
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): Fall 16

Key/Responsible Personnel: Mike Pierskalla

Marine Cooling Systems

Demonstrate knowledge of marine cooling systems

▼ **Measure:** Skills USA Workforce Ready System- Marine Service Technology
Program level; Direct - Exam

Details/Description:

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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): Fall 16

Key/Responsible Personnel: Mike Pierskalla

Marine Lubrication Systems

▼ **Measure:** Skills USA Workforce Ready System- Marine Service Technology
Program level; Direct - Exam

Apply knowledge of lubrication systems

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): Fall 16

Key/Responsible Personnel: Mike Pierskalla

Marine Gear Drive Systems

Exhibit knowledge of gear drive systems, inboard and outboard

▼ **Measure:** Skills USA Workforce Ready System- Marine Service Technology
Program level; Direct - Exam

Details/Description:

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Implementation Plan (timeline): Fall 16

Key/Responsible Personnel: Mike Pierskalla

Boat and Trailer Rigging

Service and repair boat and trailer rigging

▼ **Measure:** Skills USA Workforce Ready System- Marine Service Technology
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): Fall 16

Key/Responsible Personnel: Mike Pierskalla

Motorcycle Engine/Drivetrain

Apply the knowledge and skills needed to test the performance of engine/drive train condition in a motorcycle service situation

▼ **Measure:** Skills USA Workforce Ready System- Motorcycle Service Technology
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 17

Key/Responsible Personnel: Duke Kleman

Motorcycle Carburetion

Implement the skills and knowledge needed to run a carburetion inspection in a motorcycle service situation

▼ **Measure:** Skills USA Workforce Ready System- Motorcycle Service Technology
Program level; Direct - Exam

Details/Description:

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Implementation Plan (timeline): Spring 17

Key/Responsible Personnel: Duke Kleman

Motorcycle Wheel Maintenance

Apply the knowledge needed and the skills required to inspect, repair and service wheels in a motorcycle service situation

▼ **Measure:** Skills USA Workforce Ready System- Motorcycle Service Technology
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.

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Implementation Plan (timeline): Spring 17

Key/Responsible Personnel: Duke Kleman

Motorcycle Maintenance Check

Demonstrate the skills needed to perform a routine inspection and maintenance check in a motorcycle service situation

▼ **Measure:** Skills USA Workforce Ready System- Motorcycle Service Technology
Program level; Direct - Exam

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Implementation Plan (timeline): Spring 17

Key/Responsible Personnel: Duke Kleman

Motorcycle Electrical Inspection

Apply the knowledge and the skills needed to perform an electrical inspection in a motorcycle service situation

▼ **Measure:** Skills USA Workforce Ready System- Motorcycle Service Technology
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 17

Key/Responsible Personnel: Duke Kleman

Motorcycle Suspension Inspection/Repair

Apply the knowledge and the skills needed to perform a suspension inspection/repair in a motorcycle service situation

▼ **Measure:** Skills USA Workforce Ready System- Motorcycle Service Technology
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 17

Key/Responsible Personnel: Duke Kleman

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