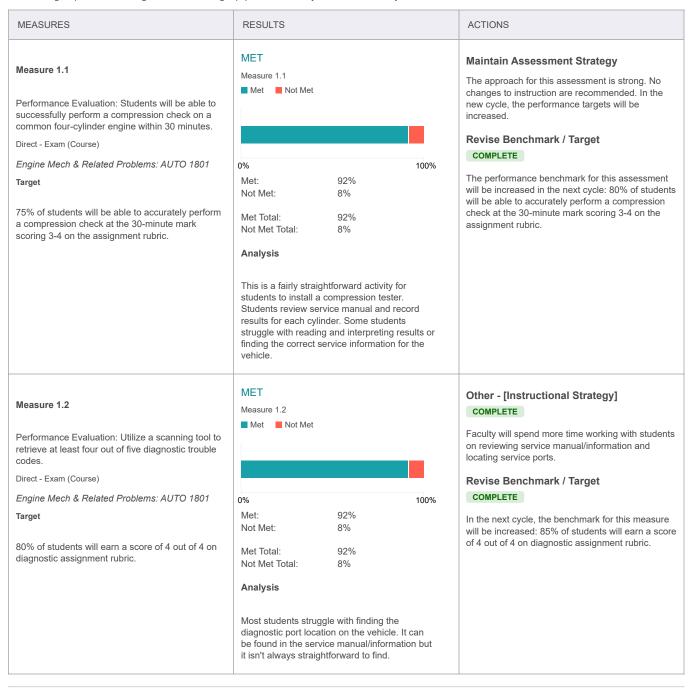
Program Assessment Plan 2021-2023 Automotive Technology

Automotive Technology Learning Outcomes

SLO 1: Engine performance diagnostics

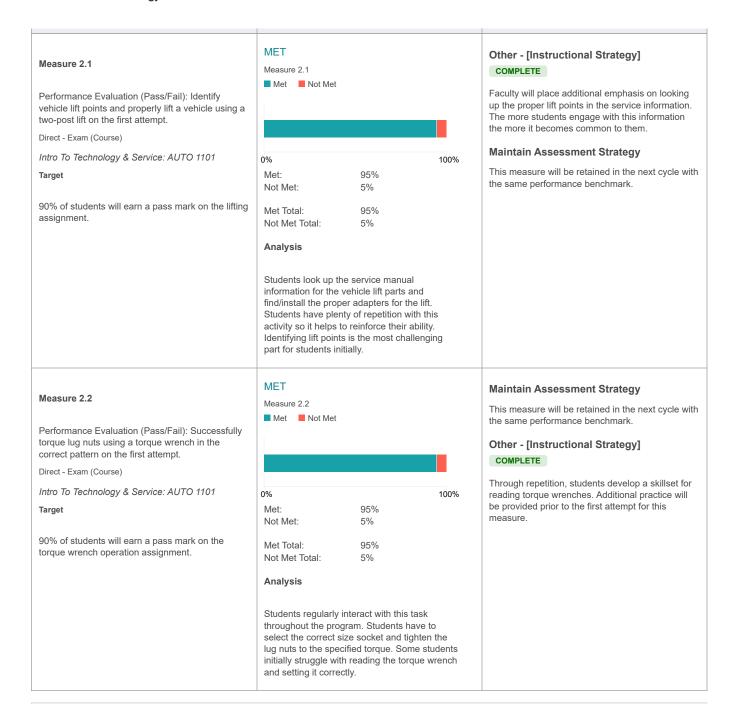
Perform engine performance diagnostics with testing equipment commonly used in the industry.



SLO 2: Operate tools and equipment

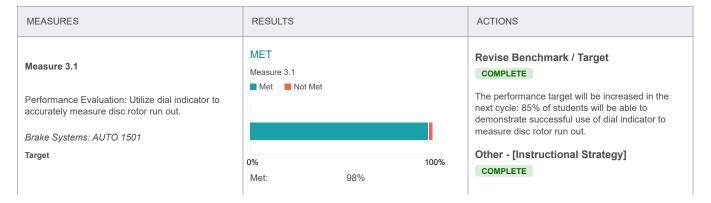
Operate tools and equipment commonly used in the automotive industry including hand tools, power tools, measuring equipment, and lifting equipment.

MEASURES	RESULTS	ACTIONS
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SLO 3: Brake system diagnosis/repair

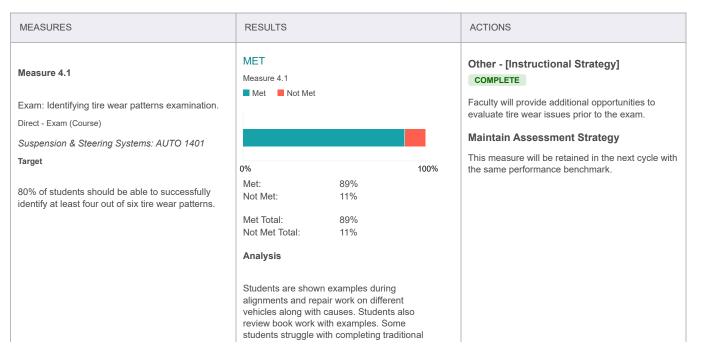
Facilitate diagnosis and repair of ABS, disc brake, and drum brake systems.

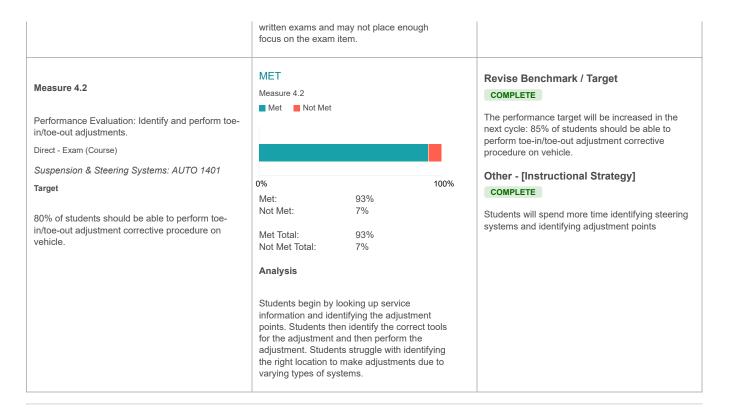


Not Met: 2% Students will be allowed additional practice time 75% of students will be able to demonstrate setting up dial indicator tools prior to assessment. successful use of dial indicator to measure disc Met Total: 98% rotor run out. Not Met Total: 2% **Analysis** Students identify rotor run out specifications in service information. Get the vehicle on the lift, remove tire from the vehicle and install a dial caliper onto a fixed surfaced. Some students struggle with finding a solid surface. Magnets are typically flat which causes some struggle on a curved surface. MFT Other - [Instructional Strategy] Measure 3.2 Measure 3.2 COMPLETE ■ Met ■ Not Met Students will spend more time covering service Performance Evaluation: Retrieve one of two ABS information prior to first attempt in order to more system diagnostic trouble codes and locate service easily locate diagnostic ports. information for appropriate repair procedure. Direct - Exam (Course) Revise Benchmark / Target Brake Systems: AUTO 1501 COMPLETE 0% 100% 98% Met: Target In the next cycle, the performance benchmark will Not Met: 2% be increased: 85% of students will earn a score of 2 or 3 on diagnostic assignment rubric. 80% of students will earn a score of 2 or 3 on Met Total: 98% diagnostic assignment rubric. Not Met Total: 2% **Analysis** Students use the same diagnostic port for break codes. Students use the service information to locate the diagnostic port. Use scan tool to retrieve codes. Students initially struggled with locating the service port accurately since every manufacturer is different.

SLO 4: Steering/Suspension corrective action

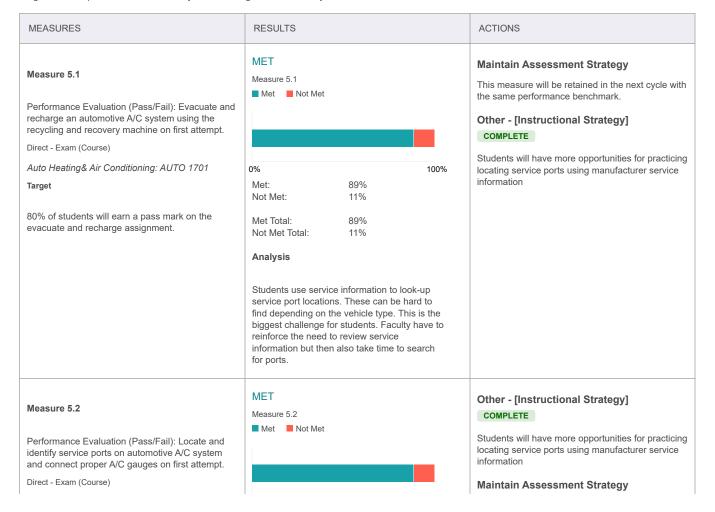
Conduct corrective action for steering and suspension concerns based on diagnosis.





SLO 5: Automotive HVAC systems

Diagnose and repair automotive HVAC Systems utilizing common industry tools



This measure will be retained in the next cycle with 0% 100% Auto Heating& Air Conditioning: AUTO 1701 the same performance benchmark. Met: 89% Target Not Met: 11% Met Total: 89% 80% of students will earn a pass mark on service port assignment. Not Met Total: 11% Analysis Students use service information to look-up service port locations. These can be hard to find depending on the vehicle type. This is the biggest challenge for students. Faculty have to reinforce the need to review service information but then also take time to search for ports.