Automotive Service Technology

Date	Saturday, February 17, 2024	Orientation Time	8:00 a.m. (CLOSED to instructors)
Location	Tri-C 11000 W. Pleasant Valley Rd Parma, Ohio 44130	Contest Time	Immediately following orientation (CLOSED contest)

Scope of Contest	The competition will include a series of workstations. Workstations may consist of a vehicle and/or simulators, components, service publications, and/or identification.
	• A variety of vehicles sold in the United States will be used in the competition. This could include both domestic and imported vehicles.
	• Safety, quality, ability to follow instructions and procedures, accuracy (in comparison with factory specifications), workmanship, and other skills representative of the trades identified by industry leaders will be judged.
	• A total of eight to ten stations will be assigned. Each station must be broken down into specific task criteria and separate steps based on the task. For example:
	    Station No. 1 Wire test and repair segments
	    Identify faulty circuit = x points
	    Repair condition = x points
	    Assemble/retest = x points
	    Resistor board tests = x points
	    Compare values to specs = x points
	    Workmanship = x points
	    Safety practices = x points
	• Time limits will be assigned for each task, but no bonus points will be awarded for early completion.		

Testing	No		
Eligibility	1 contestant for every 50 paid members enrolled in program		
Clothing	Work Attire: Field specific work clothing required for the work environment or that matches the service conditions for the contest. This may include jeans if they are clean and professional looking and are accepted in the respective field (no holes or overly soiled pants). Work shoes or boots with a hard sole or anti-slip properties (steel toes may be required – refer to **Provided by Contestant** section below). Clothing should be as such that it will not get caught in moving equipment or power tools. School uniforms may be worn if they meet the above requirements with all identifiers covered.		

Provided by Contestant	• Resumé
	• Emergency Medical Form is required to be on the contestant at all times during the competition and presented at the beginning of the contest.
	• Tools Provided-Tools will be provided to perform tasks associated with the contest.
	• All Data Service Information
	• Tools Required (Provided by the Contestant):
	  ✓ Two # 2 pencils
	  ✓ Digital Multimeter (DMM)		

Contest Standards	Contest Skilled Performance Standards	Aligned ODE Transportation Career Field Technical Content Standard Outcomes
	✓ OBD II Scan Tool (Backup will be provided if needed)	
	AST 2.0 - Perform vehicle engine performance diagnosis and testing to related tasks in the ASE Education Foundation Automobile Program Standards – Automobile Engine Performance Task List (ASE Test A8)	**Outcome 12.2** Vehicle Inspection and Diagnosis
	AST 6.0 - Perform electronic circuit diagnosis, testing and wire repair to related tasks identified in the ASE Education Foundation Automobile Program Standards – Automobile Electrical/Electronic Systems Task List (ASE Test A6)	**Outcome 3.3** Ignition System **Outcome 4.5** Electrical and Electronic Systems
	AST 9.0 - Perform brake service, testing and diagnosis to related tasks identified in the ASE Education Foundation Automobile Program Standards – Automobile Brakes Task List (ASE Test A5)	**Outcome 4.2** Drum and Disc **Outcome 4.4** Antilock Brakes
	AST 11.0 - Perform engine measuring, inspecting, service and diagnosis on the head or block of an engine to related tasks identified in the ASE Education Foundation Automobile Program Standards – Automobile Engine Repair Task List (ASE Test A1)	**Outcome 3.1** Engine Cylinder Head and Block Assemblies Above Outcomes can be found in the following ODE courses: 177001 Ground Transportation: Engine and Powertrain 177002 Ground Transportation Electrical/Electronics 177009 Collision Electrical and Mechanical Systems 177031 Automotive Braking Systems