

Automotive AST Competition **Tuesday March 26th 2024 at 2:00 pm**

This year we will be at the Greenville Technical College McKinney Automotive Center. Tuesday afternoon and Wednesday morning will be the elimination round and the top 20 contestants progressing to Wednesday's afternoon final round of the contest.

As in years past, we will furnish the tools and equipment for the contest. Contestants will only need to have their official Skills USA uniform for the contest. We do ask that all contestants to complete check in by 1:00 PM on Tuesday.

Station 1: Written ASE style test 125 points 20 minute station

The test will consist of 50 multiple-choice questions randomly selected from all eight ASE areas.

Station 2: Information Station-Alldata 125 points 20 minute station

The contestant will be required to use Alldata to search for vehicle information.

Use electrical service information resources; locate specifications and other service information using electronic service information resources.

Station 3: Interview 125 points 20 minute station

The interview will consist of meeting with a prospective employer and answering questions that would normally be subject in an interview process. Contestants will fill out an application.

A resume is not required for this station.

Automotive AST Competition **Wednesday March 27th 2024 at 9:00 am**

We do ask that all contestants to complete check in by 8:30am on Wednesday. Time limits could change.

Station 4: Engine Repair 125 points 45 minute station

This station will require the Contestant to use precision measuring tools and record condition of parts and answer questions as they relate to engine related problem.

Station 5: Electrical 125 points 45 minute station

The Contestant using a Digital Multi-Meter should be able to correctly measure circuits that they construct on an electrical board. Contestants should be able to use a use Ohm's law to calculate circuit resistance, amperage and voltage. Contestants should be able to diagnose a customer complaint on a vehicle.

Station 6: HVAC 125 points 45 minute station

The Contestants should be able to understand basic refrigeration cycle [State, Pressure, Components] of both orifice tube and thermal expansion valve systems. Contestant should have working knowledge of safety while using refrigerants and HVAC test equipment. The contestant should be able to diagnose an issue with the HVAC system with a customer complaint.

Station 7: Suspension & Steering 125 points 45 minute station

The Contestants should be able to complete a proper alignment on a Hunter alignment machine. The Contestants should be able to determine from an alignment printout if the car will pull or drift and in which direction. The Contestants should be able to determine tire wear issues.

Station 8: Engine Performance 125 points 45 minute station

The Contestants should be able to use a scan tool, multi-meter and other tools needed to diagnose an engine performance problem from a customer complaint.