**2016 SkillsUSA State Contest**

**Automotive Service and Automotive Maintenance**

All contestants must be prepared with the following:

1. Safety Glasses
2. Appropriate Clothing:
   1. No cloths can have any name or school identification…duct tape will be available at registration to cover if needed
   2. Either coveralls or work shirt tucked-in to long pants or lab coat is most appropriate attire.
   3. Closed-toed shoes
   4. Long Hair must be pulled back and secured
   5. Any loose or dangling jewelry deemed to present a safety risk will be asked to be removed
3. **One-Page, typed resume…will be turned in at the Interview Station**
4. **Completed application…applications will be sent out to Advisor in advance to be completed before contest and will be turned in at the interview station.**
5. **No Cell Phones** during the contest

**Scope of the Contest**…both the Automotive Service and the Automotive Maintenance will need to be prepared for the following areas. Service will have more advanced tasks under each area while Maintenance will have more basic tasks under each area.

**Both Contests**

* ASE Written Test
* Job Interview
* Environment Health and Safety

**Auto Service**

* Electrical/Electronic Systems
* Steering and Suspension
* Brake Service and Diagnosis
* Vehicle Engine Performance Diagnosis and Testing
* Vehicle Body Electrical Diagnosis and Testing
* Engine Mechanical Service

**Auto Maintenance**

* Steering and Suspension
* Brake Service and Diagnosis
* Vehicle Engine Performance Diagnosis and Testing
* Vehicle Body Electrical Diagnosis and Testing
* Engine Mechanical Service
* Cooling Systems and testing

**Tool and Equipment List:**

* Spark tester,
* Noid lights,
* Refractometer for batteries and coolant,
* Cooling system pressure testers,
* Snap on multimeter,
* John Bean wheel balancer,
* John Bean tire mounting machines,
* Test lights,
* Brake lining measurement gauge,
* Coolant test strips,
* Brake fluid test strips,
* OTC 3184 Battery Conductance Testers,
* Snap on Modis,
* Snap on Verus Pro,
* Outside micrometers (read to tenthousanths),
* Starrett vernier inside micrometers,
* Telescoping/snap gauges,
* Dial indicators,
* Misc hand tools,
* Wiring diagrams