

Halton Automotive Service Scope 2016

Date of Competition: April 5, 2016

Location: Robert Bateman High School, Room 148

Registration: 7:30am to 8:00am Competition: 8:30am Sharp!

Coordinators: Paul Prosdocimi (Robert Bateman High School)

Tony Assenza (Nelson High School)



PURPOSE OF THE CHALLENGE:

-to evaluate each competitor(s) proficiency in the field of Automotive repair and diagnostics,
 -to recognize outstanding students for excellence and professionalism in their field. -- --

-Gold Winner in Halton will be advanced into the Provincial Skills Competition on May 3, 2016 at **RIM Park in Waterloo!**

KNOWLEDGE AND SKILLS TO BE TESTED/EVALUATION:

Activity to be Evaluated The challenge will consist of written (one multiple choice exam), and practical work as follows:	Weight
1. Complete a written multiple-choice exam covering all aspects of the automobile and trade.	15%
2. Use latest diagnostic tools to diagnose faults with automotive computer and sensor systems.	10%
3. Repair/Fabricate hydraulic brake system line using hand tools.	10%
4. Measure, set up, and look up engine specifications using precise measuring tools and specification manuals.	10%
5. Identify 40 automotive components/tools and their purpose.	10%
6. Re-install a 4-cylinder engine timing belt and ignition components in the proper sequence. Install with proper adjustment values using hand and measuring tools.	10%
7. Measure correct electrical values using the latest technology DVOM and Activity Board.	10%
8. Demonstrate shop safety procedures by lifting an automobile on a hoist correctly along with wheel removal, and rotation/installation.	10%
9. Identify faults while performing a complete front and rear vehicle brake inspection. Measure, set up, and look up brake system specifications using precise measuring tools and specification manuals.	10%
10. Interview with Resume	5%

Evaluation:

All competitors will write/complete a theory based on automotive systems/components, and related calculations (i.e. electrical, drive line, engine size, etc) exam with 50 questions worth **15%** of the entire **Automotive Service/Repair Skills Competition**.

All competitors will be expected to complete 8 practical activities that will be judged by an Automotive Technician/Technology Teacher worth **80%** of the entire **Automotive Service/Repair Skills Competition**.

The interview is worth **5%** of the entire **Automotive Service/Repair Skills Competition**, and is conducted independently of the rest of the competition. Students will be required to submit a **resume** related to the specific competition they are in. For instance, if they are in transportation service tech they will provide the resume for the automotive related careers such as garage work as a mechanic or apprentice.

All marks will be entered into Markbook 2015-2016 in order to select the Gold, Silver, and Bronze winners.

As the rules state, there are no ties. If the score is even after the contest, an additional theory test will be used as a tie breaker to select the winner that advances to Provincials.

Notes:

The instructors and competitors should arrive at the competition site at least **45 minutes before the start time of 8:30 am**.

The competitors will bring with them **appropriate clothing and footwear to allow access to the workshop**. This includes full-length pants; shirts with proper sleeves that are protective but not baggy, safety glasses, and proper footwear (safety boots if possible). It is recommended that all competitors not bring backpacks, expensive phones, or computers as there are no secure areas to store these things. **We are not responsible for any lost personal items.**

The instructors/competitors may bring a DVOM, Snap-on scan tool, and brake flaring tool kit, if you wish.

We hope you have a very good experience, and an enjoyable day!

Good Luck!

