



DSBN REGIONAL REFRIGERATION CHALLENGE 2015 SECONDARY LEVEL SCOPE

CHAIR: Chip Morningstar email: chip.morningstar@dsbn.org Or call 905-356-2401 or Fax 905-356-1885

PURPOSE OF THE CONTEST:

The refrigeration challenge will encourage growth of knowledge of the competitor in the areas of HVAC trouble shooting, safe work habits, practical building and procedural skills as well as repair of HVAC equipment. There will also be an opportunity to showcase the students' skills in the form of a resume. A short interview will also allow the students to demonstrate their skills with respect to job knowledge and safety.

EVENT DETAILS:

Date: Monday, March 07, 2016

Time: 8:30 am

Location: Westlane Secondary School - Refrigeration Shop Rm 1030

SKILLS AND KNOWLEDGE TO BE TESTED:

- Installation of HVAC systems
- Problem solving of HVAC systems
- Troubleshooting of HVAC systems (both electrical and mechanical)
- Safe handling of refrigerant, tools and testing instruments
- Knowledge of refrigerants and procedures for use of refrigerants and tools

SAFETY REQUIREMENTS:

Competitors are required to follow all industry safety standards during the competition.

EQUIPMENT, MATERIALS, TOOLS AND SUPPLIES:

Equipment Supplied by the Contest Coordinator:

- All tools, equipment and materials will be supplied to the Contest Coordinator

Equipment Supplied by the Competitor:

- If successful in moving on to the provincial competition, the competitor must supply their own safety boots/shoes
- Pencil/pen, notepad, calculator
- Resume

CLOTHING REQUIREMENTS:

Casual business attire must be worn with DSBN Technology shirts where ever possible.

PROJECT AND COMPETITION EXPECTATIONS:

-Throughout the course of the competition each competitor will partake in a written evaluation that will help them to express their theoretical knowledge of the refrigeration trade. This portion of the challenge will be worth 10% of the overall mark.

-The competitors will be required to build, leak test and charge a refrigeration system. Marks will be awarded based on time, neatness and procedure. This portion of the challenge is worth 85% of the overall mark.

-The competitors will be required to take part in a job interview. This will assist them in preparation for the Provincial Competition as well as future job interviews. This portion is worth 5% of the overall mark.

JUDGING CRITERIA:

Health and Safety.....	10
House Keeping	10
Written Test	10
Installation	25
Operation	25
Troubleshooting	20

Total
Mark out of **100**

JOB INTERVIEW COMPONENT:

All students should be prepared with a resume, an interview workshop will be held for gold medalists moving on to provincial competitions.

ENTRY:

Students must register online at: www.teched.dsbn.org with all of the required information completed to be eligible to participate. Teachers should also forward a list of competitors participating from their school to the contest coordinator 5 days prior to the date of the contest.

TRANSPORTATION:

Students are responsible for their own transportation.

TEACHER'S ROLE:

Instructors are expected to acquaint their student participants with all of the enclosed guidelines. Teachers may accompany their students or visit any time during the competition, but may not assist the competitors during the challenge.

SPECIAL INSTRUCTIONS OR GUIDELINES:

Lunch will be provided.

It is expected that competitors arrive with a resume and be ready for interview questions related to the technical career path their contest reflects.

Judges decisions are final. (First, second and third place winners)

COMPETITION AGENDA:

Please be at Westlane no later than 8:30 a.m.

Check in at the main office, then proceed to the Refrigeration Shop (Room #1030)

The competition will start at 8:45 a.m. sharp.

Lunch 11:30 a.m.

Judging will commence at 2:30 p.m.

Interviews will be conducted throughout the competition