

SPECIALIST
HIGH SKILLS
MAJOR



M.M. ROBINSON
CONSTRUCTION HVAC
(HEATING VENTILATION AND AIR CONDITIONING)

Program Overview:

- Students will gain knowledge about the operation of complex electrical and mechanical devices that control sophisticated HVAC systems
- Explore the field of refrigeration, air conditioning, sheet metal and heating that encompass numerous aspects of mechanical and engineering technology
- Execute tasks and projects utilizing skills and processes learned and developed in class
- Discover techniques to become self-motivated and develop problem-solving skills
- Acquire in-school training that builds the groundwork needed to become successful in obtaining a career in the Pipe fitter, Heating, Refrigeration and Air conditioning field
- Build up skills needed to achieve a high standard of trade related expectations through realistic shop theory and training
- Develop an ecological appreciation of environmental concerns
- Learn strategies and techniques that complement trade regulations and codes
- Learn applicable safety procedures directly related to the trade
- Students will integrate math, physics, science and chemistry within the Heating Ventilation and Air Conditioning program

Career Opportunities

Industries of Employment:

- Construction
- Transportation
- Manufacturing
- Contracting

Occupational Categories:

- Refrigeration and Air Conditioning Mechanics
- Mechanical Engineer
- Gas fitter
- Sheet metal worker
- Pipe Fitter
- Brazing and Welding HVAC sales positions
- Building Automation
- Pipe fitters

The Heating Ventilation and Air Conditioning Program is an innovative and experiential program that allows students to learn, grow and develop trade related skills needed in this innovative and challenging career.

Students will benefit from both individual and team learning projects.

They will be exposed to real life situational processes that students can apply and adapt learned skills and techniques.

Students will gain confidence and self esteem in acquiring the skills and knowledge needed to initiate and implement a rewarding career in these fields.

Course Package:

The HVAC program will allow students to complete:

- 2 Grade 11 HVAC courses
- 2 Grade 12 HVAC courses
- 1 Contextualized unit in Grade 12 English
- 2 Contextualized units in Grade 11 and 12 Math
- 2 Co-op credits
- 2 Other electives such as Science or Business to meet the SHSM requirements

Who would be interested in the program?

Students who would like to pursue an exciting career in Heating Ventilation and Air Conditioning. Students who would like the opportunity to work with Gas fitting and be introduced to the working conditions in HVAC .

Program Delivery Schedule:

Students can choose any pathway, apprenticeship, college, university, or workplace.

Grade 11: TCH3EB - a two credit grade 11 HVAC
1 Grade 11 math Credit

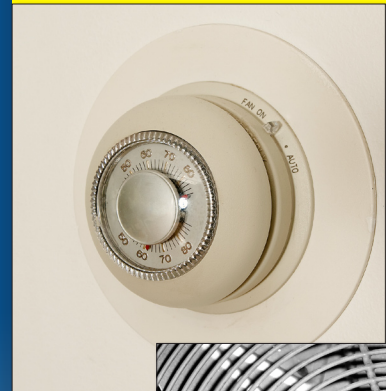
Grade 12: TCH4EB - a two credit Grade 12 HVAC
1 English credit
1 Grade 12 math credit

- 1 senior credit in Science and Business (in Grade 11 or 12)
- 2 Co-operative Education credits (linked to the construction/HVAC major).

Application Details and Contact information:

Complete the SHSM/OYAP registration package. Talk to your guidance counsellor and go onto Onsorts.ca to register for this program.

For more information check out www.schooltocareer.ca. Contact MM Robinson High School at **905-335-5588 Ext. 231 or 227.**



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