

Trades Exploration (TEx) Outline

Description:

Trades Exploration (TEx) is a program for students (in Grade 10, 11 or 12) who are interested in exploring a career in one of the trades. TEx is designed to help students make an informed decision by exploring the following trades:

carpentry, electrical, plumbing/pipe fitting, and metal fabrication/welding.

Students will also have an opportunity to gain on site experience in each of the trades, and meet the requirements to enrol in a Youth Train In Trades Program (formerly ACE-IT) in their chosen trade at Camosun College. They may also have the possibility of becoming indentured as a Youth Work In Trades apprentice.

Structure:

The program takes place over 5 months of school time, during the 2nd semester, beginning in February of each year. It is a combination of technical training along with shop time for the first four weeks of each module, followed by 1 week of work experience at a worksite in each of the trades being explored. Throughout the program students will be prepared with an overall introduction to the trades sector, including: personal and project management, tool and equipment use, mathematical applications, drawings, health and safety, (CSTS) Construction Safety Training System, Fall Protection and First Aid, as well as basic entry level skills required to enter the trades. There will be field trips to visit off site locations for training or viewing of facilities. Some of these visits may occur during professional development/non-instructional days. Students will be required to provide their own transportation to and from these activities.

Organization:

Students will move through the program together except for the work experience component which is likely individualized. The 20 day modules will be set up accordingly. Each module will cover 1 of the 4 trades indicated; the specific order varies and is determined annually. (*Carpentry, Electrical, Plumbing/Pipe Fitting, and Metal Fabrication/Welding*).

Topics Covered (as part of each trade module):

- Math
- Job Readiness
- Work Ethics
- Cover Letter/Resume
- Interviews
- Field Trips (40 hours)
- Basic Shop Skills
- Related Drawings
- First Aid
- Fall Protection
- Safety
- 80 hours of Instruction

Each Module (20 days):

Four weeks of technical training and shop time in a specific trade, followed by one week of work experience in that trade.

Total of 120 hours Course Work and 40 hours Work Experience.

Individual Course Evaluation Details:

- *Quizzes and Unit Tests* will be worth **25%** in each course
- *Projects* will be worth **35%** in each course
- *Homework Assignments* will be worth **20%** in each course
- *Final Exam* at the end of the year to cover all trades will be worth **20%** in each course
- **100%** per course (ie: TEx Carpentry 12)
- Employer Evaluation each month after placement will be graded through Work Experience
- If a student is not able to complete the program and chooses to withdraw early, they will only be awarded credit for the number of modules/months completed.

Credits:

Students will receive credit for four separate modules in each of the trade specific areas: *Carpentry, Electrical, Plumbing/Pipe Fitting and Metal Fabrication/Welding* trades.

The Ministry course codes are as follows:

- Trade Sampler: TSTB 12A, TSTB 12B
- Trade Explorations: STX 11A, STX 12A
- Work Experience: WEx 12A, WEx 12B

Additional Potential Credits: (For Students who progress to next step after completing TEx)

- up to 16 credits for Youth Work In Trades (4 credits for each 120 hours completed as a Youth Work In Trades student) (Youth Work In Trades courses: WRK 11A, WRK 11B, WRK 12A, WRK 12B)
- 28 – 40 credits for successful completion of a Youth Train In Trades Foundation Program at Camosun. Industry Training Authority of BC provides funding to cover tuition for these programs.

Expectations:

- Students MUST regard the components of this program and the program itself as a JOB and as a work site.
- Students will be expected to have near perfect attendance for classes and work experience placements. Students must communicate absences directly to the program teacher in advance of the absence.
- Misbehaviour will not be tolerated.
- Students must respect each other, the instructor and the work sponsors.
- Students will be responsible for safety gear, personal tools and tool belts.
- Students will be responsible for transportation to and from a work site during their week of work experience at the end of each module.
- Students must have the required tools and safety equipment at all times.

By the End of the Program:

- Students will have had an opportunity to explore four different trades in depth and to make a decision as to which one suits their talents, interests, and abilities.
- Students will have had an opportunity to register as an apprentice (Youth Work In Trades) during or after the program.
- Students will develop a sense of all of the entry level requirements needed to work in the trades sector.
- Students will have an opportunity to apply to Camosun for a Youth Train In Trades Foundation Program.
- Students will have an introduction to CTST (Construction Trades Safety Training), Fall Protection and Basic First Aid, as well as Job Readiness, Work Ethics, Prerequisites Required and Tool Use.

* Please see the Career Counsellor in your Career Centre for more information on the Trades Exploration Program. Your school based Career Counsellor can help you with the application process.