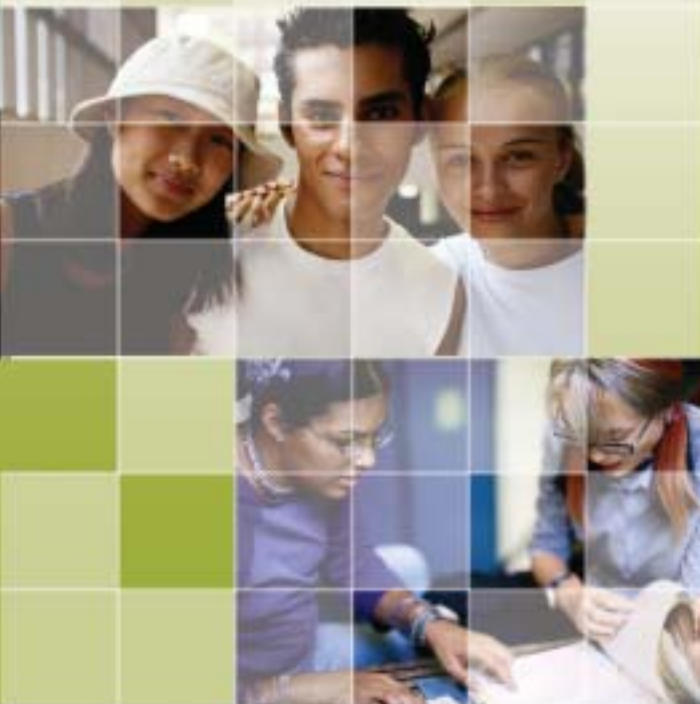




What's *your* Favourite Subject?

Computers, Technology & Trade



COMPUTERS, TECHNOLOGY AND TRADES

If your favourite subjects are Computers, Technology and Trades then you probably enjoy and excel in computer science, industrial arts, and drafting. You are good at working with your hands, trouble shooting problems, and coming up with creative solutions using appropriate techniques and tools.

You can add some of these skills to your resume:

- Critical and flexible thinking - creating original solutions
- Computing (systems, hardware, and software) skills
- Systematic problem solving and trouble shooting skills
- Debating
- Integrating and adapting to new information and systems - continuous learning
- Analyzing and determining necessary strategies or repairs by employing required tools, techniques, and materials
- Building, manufacturing, assembling

EXPLORE THE POSSIBILITIES!

Does testing software, manufacturing lasers, or wiring buildings sound interesting? Then you should consider a career as a computer programmer, laser technician or electrician.

Start by exploring the careers listed in this pamphlet. This is just a small sampling of careers that relate to Computer, Technology and Trades.

When it comes to your favourite subject, your career choices are endless.

NEXT STEPS

- Discuss your ideas with your friends, parents, teachers, or a school counsellor.
- Check out college and university calendars as well as community-based training and apprenticeship information.
- Explore post-secondary websites to look into courses, programs, and admission requirements. Visit CanLearn www.canlearn.ca to find information about Canadian universities and colleges, and scholarships.
- There are a lot of websites where you can further explore interesting career options. Start with www.hrdc.gc.ca/career www.jobsetc.ca and www.hrdc.gc.ca/noc
- Consider enrolling in a related high school co-op program or look into volunteer work.
- Take advantage of campus orientation days and Career Fairs.
- Contact or spend a day job shadowing someone working in one of your target career fields.

WHAT'S YOUR FAVOURITE SUBJECT?

NEW 5 PAMPHLET SERIES

- Arts and Languages
- **Computers, Technology and Trades**
- Health and Physical Education
- Humanities and Social Sciences
- Science, Math and Business

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CAREER	DESCRIPTION	RELATED SECONDARY SUBJECTS	USEFUL EXPERIENCE/SKILLS	RELATED OCCUPATIONS
Automotive Service Technician NOC #7321	Combine a mechanical aptitude and trouble shooting ability in servicing and repairing cars and light trucks.	Business, Computers, Technical Education	Computerized equipment, Dealing with the public, Diagrams and schematics, Electronics, Good hand-eye coordination, Mechanics	Alignment and Brakes Technician, Commercial Transport Vehicle Mechanic, Engine Mechanic-motor Vehicle
Chef NOC #6241	Design menus, supervise and stock the kitchen, budget and creatively prepare and oversee everything from appetizers to entrées to desserts.	Art, English, Food and Nutrition, Other Languages	Customer service, Hospitality/Foods, Innovation, Interpersonal skills, Team leader	Banquet Chef, Executive Sous-chef, Speciality foods chef
Computer Programmer NOC #2174	Create, modify and tests software programs using a variety of computer or database languages for use by the public, government, industry and business.	Computer Science, English, Math	Computer use, Project management, Team project work	Computer Game Developer, Interactive Media Developer, Systems Programmer
Electrician NOC #7241	Install, test and wire, fixtures, equipment and control devices in office, industrial and residential structures.	Computer Science, English, Physics, Technical Education	Computer use, Diagrams, Drawing, Electronics, Maintenance, Troubleshooting	Electrical Fixtures Installer, Household Appliance Installer, Residential Construction Wirer
Fibre-optic Network Designer NOC #2147	Research, evaluate and integrate network system and data communication hardware and software.	Computer Science, English, Math, Physics, Technical Education	Computer use, Drawing, Making presentations, Project management	Designer, Hardware Circuit Board Systems Design, Wireless Communications Network Engineer
Fire Protection Mechanic NOC #7252	Promote fire prevention in homes and commercial establishments through the installation and maintenance of smoke detectors, fire alarm and sprinkler systems.	Chemistry, Math, Physics, Technical Education	Blueprints, Diagrams, Maintenance, Water and gas service	Fire Protection Piping Installer, Ship Steamfitter, Steam Heating Installer
Heavy Duty Equipment Technician NOC #7312	Keeping heavy equipment operational, diagnosing problems, and repairing-engines, transmissions, hydraulic and electrical systems.	Computers, Math, Technical Education	Computerized equipment, Diagrams, Machinery, Mechanics, Schematics	Construction Equipment Mechanic, Farm Equipment Technician, Locomotive Mechanic
Laser Technician NOC #2241	Test, repair, maintain, and manufacture laser devices from industrial to medical applications.	Computers, Math, Physics, Technical education	Computer skills, Drafting, Electronics, Lasers Presenting	Electrical Technician, Fibre-optic Technologist, Lighting Technologist
Metallurgical Technician NOC #2212	Ensure quality control in the mining, extraction and processing of raw metals to finished products.	Chemistry, Computer Science, Geology, Math, Physics	Computer skills, Industry exposure, Mechanics, Presenting, Research skills	Mineralogy Technician, Mining Technologist, Welding Technologist
Multimedia Designer NOC #5241	Creatively pulling together text, graphics, sound, and animation to create dynamic websites, CD-ROMS, digital presentations and games.	Art, Computer Science, English, Graphic Design	Computer, film and video experience, Design, Innovation, Marketing	3D Animator, Graphic Designer, Web page Designer
Nuclear Medicine Technologist NOC #3215	Assist doctors through the use of radioactive compounds to create computer diagnostic images of organs.	Biology, Chemistry, Computer Science, English, Math, Physics	Computer skills, Health, Interpersonal skills, Research skills, Safety	Diagnostic Imaging Technologist, Radiation Therapist, X-ray Technician
Plumber NOC #7251	Repair, install and assemble pipes, fixtures, and plumbing equipment.	Math, Physics, Technical Education	Communication skills, Diagrams and blueprints, Mechanical abilities, Water and gas service	Plumber-gas Fitter, Plumbing Mechanic, Radiator Plumber
Robotics Technologist NOC #2232	Design and build automated robotic machinery for use in such areas as industry, medicine and space by blending computer, mechanical and electronic technologies.	Computer Science, Drafting, Math, Physics, Technical Education	Computer skills, Design, Electronics, Innovation, Mechanical ability	House Automation Technician, Mechanic Engineering Technologist, Machine Designer
Software Installation Technician NOC #2282	Give support to computer users experiencing difficulties with computer hardware, computer applications and communications software.	Computer Science, English, Math	Communication skills, Computer skills, Electronics, Interpersonal skills, Mechanics	Hardware Installation Technician, PC Support Analyst, Technical Support Supervisor
Tool Maker NOC #7232	Create tools used in the manufacturing processes by working with engineered drawings and specialized machinery.	Computers, Drafting, Math, Physics, Technical Education	3-D visualization, Blueprint, Decision-making, Mechanics, Metal technology, Precision work	Die Maker, Jig Maker, Metal Mould Maker
Water Treatment Plant Operator NOC #5254	Monitor and operate computerized control systems to regulate treatment and distribution of water supplies.	Biology, Chemistry, Computer Science, Math, Physics	Communication skills, Computer skills, Mechanical ability, Teamwork	Liquid Waste Process Operator, Water Treatment Systems Operator, Water Utility Operator
Webmaster NOC #2175	Using an internet language to program, construct, write and maintain web pages for corporate customers.	Computer Science, English, Math	Computer Skills, Design, Innovation, Presenting, Project management, Web page design	Internet Site Designer, Intranet Site Developer, Web Developer