

ATHLETIC AGILE
COORDINATED AN
ALYTICAL ATTEN
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OUS COLLABOR
ATIVE INDEPEND
ENT CONFIDENT
SYSTEMATIC IN
VENTIVE VISUAL
MATHEMATICAL
INQUISITIVE DE
CISIVE MECHA
NICAL EXPRESS
IVE OUTDOORSY
WHAT ARE YOU
MADE OF?

ITA TRADES GUIDE

**THE HEAD
TO IMAGINE IT.**



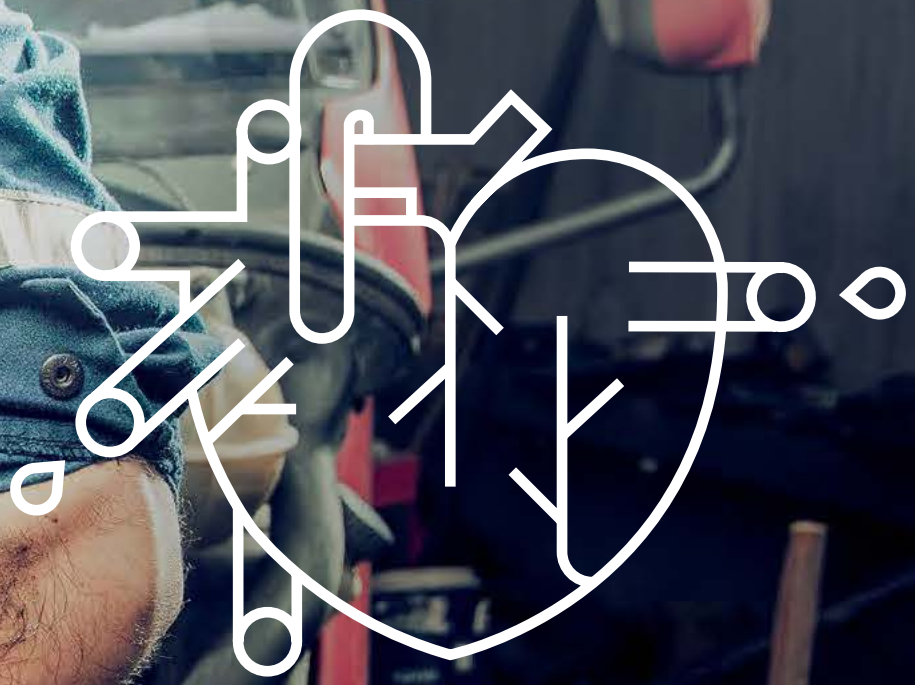


**THE HANDS
TO MAKE IT REAL.**





**THE HEART
TO MAKE IT GREAT.**



GIVE IT EVERYTHING YOU'VE GOT.

Trades offer the chance to put your brain and body to work doing something you love. No two trades are exactly alike: each one requires a special set of skills and offers different opportunities. Figure out what gets your brain fired up, makes your blood pump faster and puts a smile on your face.

There's a trade in you. ITA can help you find it.



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THE BUILDER

ATHLETIC
COLLABORATIVE
MATHEMATICAL
PRECISE
TACTILE

You're the kind of person who can see the big picture, but digs the details. You're equally comfortable manoeuvring big, heavy objects and calculating measurements down to the millimetre. Pushing paper at a desk behind the scenes holds little appeal to you. You'd rather be on a shop floor transforming raw materials into something useful, or on site working alongside other tradespeople to bring a project to life.

Sound like you? Consider one of these trades:

IRONWORKER

Work on the factory floor shaping steel and creating steel parts or in the field building, demolishing, repairing and maintaining steel structures, including buildings, towers, cranes and bridges.

CONSTRUCTION ELECTRICIAN

Install and repair highly sensitive electrical and electronic systems in hard-to-reach places to keep the lights on, the fridge running and the music pumping in buildings of all shapes and sizes.

SHEET METAL WORKER

Use computerized lasers and sophisticated welding and soldering equipment to cut, bend and shape this lightweight material into heating vents, building siding and more.

Or what about:

Aircraft Structural Technician

Architectural Sheet Metal Worker

Boilermaker

Bricklayer

Cabinet Maker

Carpenter

Concrete Finisher

Construction Craft Worker

Drywall Finisher

Floor Covering Installer

Glazier

Hardwood Floorlayer

Insulator (Heat and Frost)

Lather (Interior Systems Mechanic)

Machinist

Metal Fabricator

Piledriver & Bridgeworker

Residential Framing Technician

Residential Steep Roofer

Roofer

Tilesetter

Tool & Die Maker

Welder

Learn more at www.itabc.ca/youth

THE ANALYZER

**AGILE
INDEPENDENT
INQUISITIVE
LOGICAL
PERSISTENT**

You love a good puzzle—the bigger the challenge, the better. Once you have a general sense of how the parts in a system work together, you have no problem applying that knowledge in all sorts of situations. A tinkerer at heart, trial and error is your specialty. You're like a detective, carefully weighing the evidence and piecing together clues to zero in on the culprit and solve the case.

Sound like you? Consider one of these trades:

STEAMFITTER/PIPEFITTER

Get ready to follow the zigs and zags of complex pipe systems as you assemble, install and repair specialized pipes designed to carry everything from high-pressure water to chemicals, acids and gases.

INDUSTRIAL ELECTRICIAN

An expert in all things electrical, you're the person people call to install, inspect and repair everything from motors, generators and pumps to lighting and communication systems in industrial plants and factories.

INSTRUMENTATION & CONTROL TECHNICIAN

You're at home in an industrial setting adjusting and maintaining the equipment that plant operators depend on to control the flow, pressure and temperature of liquids, gases and other materials.

Or what about:

*Electric Motor System Technician
Gasfitter
Geothermal Technician
Heating Technician
Locksmith
Petroleum Equipment Installer
Power Line Technician
Plumber
Refrigeration & A/C Mechanic
Security Systems Technician
Sprinkler System Installer*

Learn more at www.itabc.ca/youth

THE OPERATOR

**CALM
CAREFUL
CONFIDENT
COORDINATED
DECISIVE**

You were born for the driver's seat. When the dashboard lights up and the engine roars to life, so do you. Cool under pressure, confident in your movements, and always eager to strike out on a new path, you're at your best when you're behind the wheel. You were first in line to get your driver's licence when you turned 16. Now it's time to flex your skills off the road and master something new.

Sound like you? Consider one of these trades:

HEAVY EQUIPMENT OPERATOR

Move earth and rock at a construction site, excavate ore from a mine, or clear brush and stumps for new roads from the cab of your backhoe, grader or other piece of heavy equipment.

MOBILE CRANE OPERATOR

You're a pro at setting up and operating cranes on wheels. On any given day, you could be moving materials from one spot to another at a construction site, on a shipyard or in an industrial space.

RIG TECHNICIAN

Work right on an oil and gas drilling rig, maintaining engines and equipment, getting new crew members up to speed, and keeping operations running safely and smoothly.

Or what about:

Asphalt Paving/Laydown Technician

Boom Truck Operator

Cremationist

Embalmer

Tower Crane Operator

Water Well Driller

Learn more at www.itabc.ca/youth

THE FIXER

ANALYTICAL DEXTEROUS MECHANICAL RESOURCEFUL SYSTEMATIC

You're the kind of person who likes to understand what makes things tick. You love taking stuff apart, swapping in new parts and putting it all back together—whether it's a toaster, a car or a computer. When something stops working, your instinct is to fix it instead of throw it away. You're like a doctor, running tests and taking stock of the symptoms to diagnose the problem and find a cure.

Sound like you? Consider one of these trades:

AIRCRAFT MAINTENANCE TECHNICIAN

Flying machines are your speciality. You're an ace at interpreting technical drawings and blueprints, removing defective parts and installing replacements, and testing and troubleshooting aircraft systems.

AUTOMOTIVE SERVICE TECHNICIAN

You spend most days with your head under the hood, using computerized equipment and your wits to test, adjust and repair the interconnected parts and systems that make cars and trucks go.

INDUSTRIAL MECHANIC (MILLWRIGHT)

Install, repair and maintain all kinds of machines in all kinds of places—from ski hills to mines and everywhere in between. Equal parts electrician, machinist, mechanic and plumber, you're a true jack-of-all-trades.

Or what about:

*Appliance Service Technician
Automotive Glass Technician
Diesel Engine Mechanic
Heavy Duty Equipment Technician
Inboard/Outboard Mechanic
Logistics & Distribution Person
Marine Service Technician
Motorcycle Mechanic
Motor Vehicle Body Repairer
Partsperson
Petroleum Equipment Service Technician
Recreational Vehicle Service Technician
Residential Building Maintenance Worker
Saw Filer
Transport Trailer Technician
Truck & Transport Mechanic*

Learn more at www.itabc.ca/youth

THE ARTISAN

**ATTENTIVE
CREATIVE
EXPRESSIVE
INVENTIVE
PRECISE**

You're a keen observer with a vivid imagination and the talent to deliver on it. Where some see clouds in the sky, you see faces. Where some see a white wall, you see a blank canvas. Where some see a vegetable garden or a cow, you see dinner. You have a knack for assessing what's in front of you, visualizing the possibilities and transforming your creative vision into reality.

Sound like you? Consider one of these trades:

COOK

If you've got a nose for good food and love the adrenaline rush of a tight deadline, kitchen life is for you. You'll work elbow to elbow in a team, devising and costing recipes, and planning and preparing meals.

AUTOMOTIVE REFINISHING PREP TECHNICIAN

Your job is to keep the automotive refinishing process running smoothly by removing parts, sanding surfaces and getting rid of the grime to prime cars, trucks and buses for painting.

PAINTER & DECORATOR

Armed with paint chips and fabric swatches, you turn drab concrete structures into iconic landmarks, brighten ageing buildings and convert boring white walls into works of art.

Or what about:

Automotive Painter

Baker

Dairy Production Technician

Funeral Director

Hairstylist

Meatcutter

Learn more at www.itabc.ca/youth

THE OUTDOORIST

**ADVENTUROUS
CURIOUS
NIMBLE
OUTDOORSY
VISUAL**

You're in your element in the great outdoors with the earth below you, nature around you and nothing but sky above you. Growing up, you were the fearless kid who was too busy climbing trees and examining bugs in the backyard to come inside for dinner. A natural green thumb, you have a gift for spotting unusual flowers, recognizing plants in distress and making things grow.

Sound like you? Consider one of these trades:

ARBORIST TECHNICIAN

You know your oaks from your maples, and how to prune and protect all kinds of trees. On any given day, you might be chipping brush, cutting wood, assisting climbers or tidying up after a tree care operation.

LANDSCAPE HORTICULTURIST

You put your love of greenery to good use, choosing, planting and pruning the trees and shrubs that bring life to our landscaped spaces—everything from public gardens to private golf courses.

UTILITY ARBORIST

When power lines go up—or come down—it's your time to shine. You're responsible for pruning and clearing vegetation to keep electrical equipment and structures safe from falling trees and climbing plants.

Or what about:

Climbing Arborist

Field Arborist

Parks & Public Works Operations Worker

Production Horticulturist

Learn more at www.itabc.ca/youth

THERE'S A TRADE IN YOU.

By 2020, there are expected to be more than 1 million job openings in BC—43 percent of which will be in trades and technology occupations. But strong career prospects are just one of many reasons to consider learning a trade. Young people from across BC share their stories.

Watch these and other young tradespeople tell their stories at www.itabc.ca/youth/stories

“The most rewarding part is being able to travel internationally. You can go anywhere.



“Just show your piece of paper and the country will welcome you. I went to Haiti and worked with disaster relief and just loved it. They need the medical, they need the dental, but they need the trades. They need to rebuild.”

THE ANALYZER

KIRSTEN LIBBY, 20
Refrigeration & A/C Mechanic
Penticton, BC

“I’m a second-year apprentice with two more years to go, but I’m already working my dream job.



“As a sheet metal worker, I create everything from intricate galley accessories to ammunition lockers for ships and submarines. It’s satisfying to leave at the end of the day knowing what I’ve made and wondering what cool stuff I’ll get to do tomorrow.”

THE BUILDER

KEVIN DE OLIVEIRA, 20
Sheet Metal Worker
Victoria, BC

“What I love most about working with other chefs is seeing how they turn a few simple ingredients into something really elegant, complex and delicious.



“I pick up skills and techniques and gain a whole new perspective on food. Whether we’re getting creative or just hanging out and cooking together, being an apprentice is awesome.”

THE ARTISAN

MARK JANG, 18
Cook
Vancouver, BC

“I did six months of classroom training in high school, which really gave me a head start.



“For the next three years, I’ll spend six to eight weeks in class and the rest of the time working in the real world. Even if I don’t continue on as a millwright once I get my ticket, the skills are transferable so my apprenticeship will still have been worth it.

THE FIXER

DANICA LUM, 18
Industrial Mechanic (Millwright)
Richmond, BC

**FIND IT.
CHASE IT.
OWN IT.
LIVE IT.**

HERE'S HOW.

THE TRADE APPRENTICESHIP

A trade apprenticeship is how you gain the knowledge and skills you need for a career in your trade. As an apprentice, you and others training for the same trade will spend approximately six to eight weeks per year in a classroom or shop learning from an instructor. The rest of the year, you'll earn while you learn, working on a job site alongside experienced tradespeople and getting paid to do it.

Most apprenticeships take about four years to complete. Yours might be a bit longer or shorter, depending on your trade and how much you work. At the end, ITA will award you a trade credential or "ticket" that determines where you can work. Once you are certified, you can choose to specialize in a specific area of your trade, work your way up to a management position or even start your own business.



WHO'S WHO IN TRADES

With trades, you're in control. You decide which trade to pursue, when to start your apprenticeship, who to train with and how quickly you earn your ticket—but you're not alone. There is a community of people and organizations that will support you on your journey from apprentice to ticketed tradesperson.

APPRENTICE

An apprentice is someone who is training to become a certified tradesperson. That could be you.

As an apprentice, your job is to:

- Understand the apprenticeship requirements for your trade.
- Register for classroom training every year at a designated training provider.
- Find an employer that is willing to sponsor your apprenticeship.
- Track your work-based training hours and have your sponsor report them to ITA every six to 12 months.

You'll be part of a trade community, completing classroom training with other apprentices who are learning the same trade and working alongside certified tradespeople of all ages and levels of experience. In BC, we have more than 37,000 registered apprentices.

EMPLOYER SPONSOR

An employer sponsor is someone who works in a trade and has agreed to take on the responsibility of training an apprentice. There are currently 9,000 employer sponsors in communities across BC.

An employer sponsor's job is to:

- Provide a safe and supportive environment for learning and practicing your trade.
- Be a teacher and mentor as you learn the skills you need to do your trade.
- Report your work-based training hours to ITA every six to 12 months.
- Recommend you for certification at the end of your training.

Search by trade to find employers who are looking for apprentices in your area using WorkBC's Apprenticeship Job Match at

www.workbc.ca

INDUSTRY TRAINING AUTHORITY (ITA)

ITA oversees trades training and certification in BC and works with government, industry, employers, unions and training providers to increase job opportunities in the trades.

ITA's job is to:

- Answer your questions about trades training and certification.
- Register your apprenticeship and record your progress.
- Oversee your exams and assessments.
- Issue your Certificate of Qualification or Red Seal certification when you finish your apprenticeship.

Learn more about ITA's programs at
www.itabc.ca/youth/programs

APPRENTICESHIP ADVISOR

An apprenticeship advisor is someone who meets face-to-face with apprentices and employer sponsors to talk about BC's apprenticeship system. By the end of 2014, ITA will have 15 apprenticeship advisors in regions across the province.

An apprenticeship advisor's job is to:

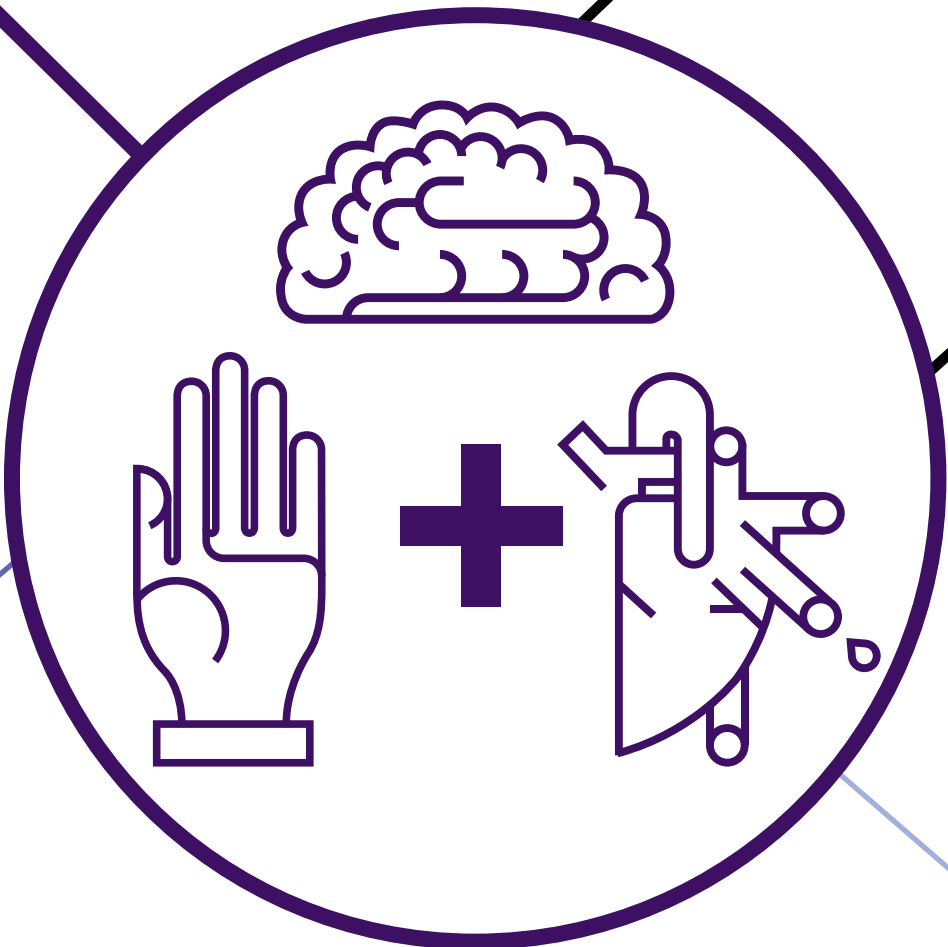
- Improve knowledge and awareness of BC's apprenticeship system.
- Help you understand and navigate trades training.
- Connect you with agencies and resources to help you find an employer sponsor.
- Advise employer sponsors on their role in trades training.
- Build relationships with local industries so that employers are interested in training apprentices.

Find an apprenticeship advisor near you at
www.itabc.ca/apprenticeship-advisors

DESIGNATED TRAINING PROVIDER

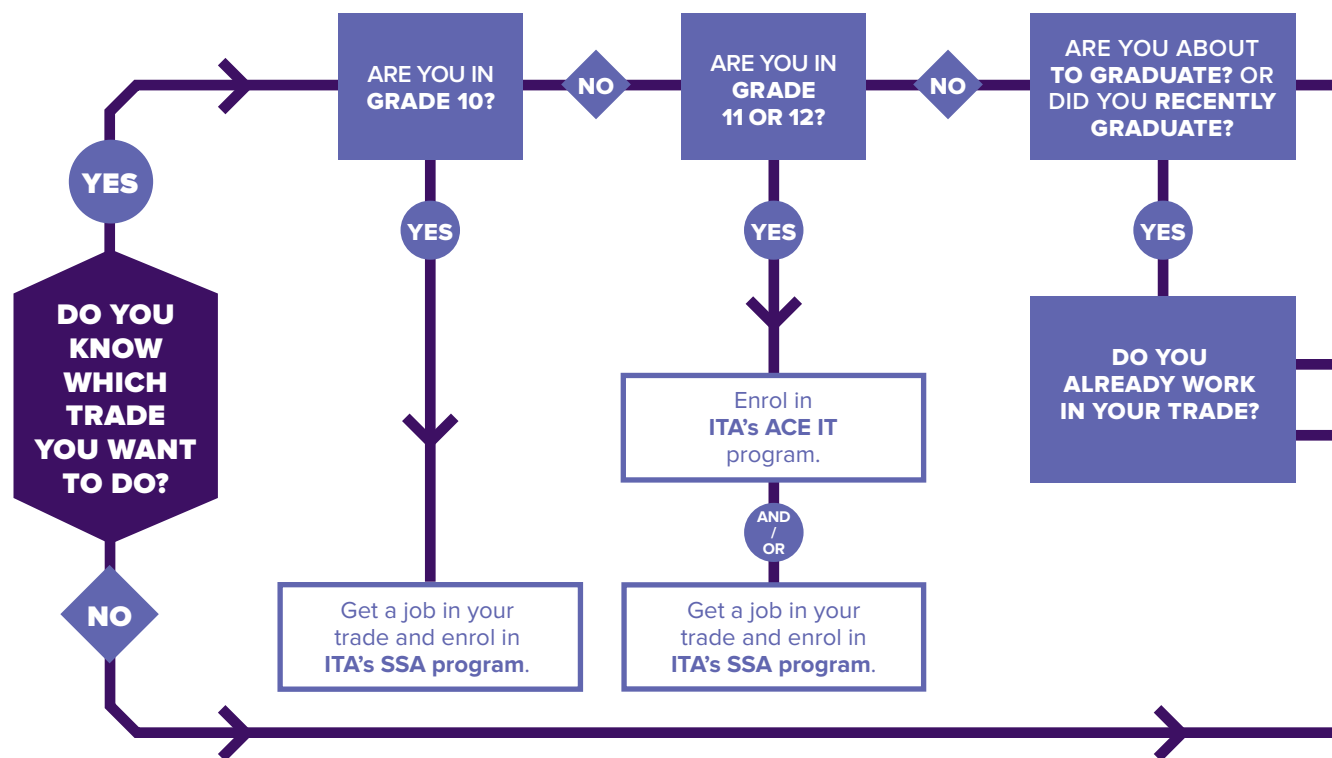
A designated training provider is a university, college or other educational institution that has been approved by ITA to provide technical training for trades. There are currently 45 designated training providers in communities across BC.

Find out who offers training for your trade at
www.itabc.ca/training-providers



MAP YOUR PATH TO APPRENTICESHIP

So you're considering a career in the trades. Now what? No matter how young (or old) you are or how much (or little) you know about trades, there is a program to help you get started. Tell us a little more about yourself and we'll help you figure out your next step.



* If you are under 20, you may be still eligible for ITA's ACE IT and SSA programs. Speak to your high school counsellor or an apprenticeship advisor to find out.

GET STARTED IN A TRADE WHILE YOU'RE STILL IN HIGH SCHOOL:

SKILLS EXPLORATION 10/11/12

Certain high schools are offering a new course called Skills Exploration in Grades 10 through 12, which gives you the chance to gain new skills and hands-on experience in multiple in-demand trades. Find out which trade is right for you before enrolling in one or both of ITA's high school apprenticeship programs: ACE IT and SSA.

WORK EXPERIENCE 12

Enrol in Work Experience (WEX) 12 to explore different jobs and industries, including the trades, and earn two or four credits towards your high school diploma at the same time. Depending on your placement and the number of credits you're seeking, you'll spend anywhere from 50 to 120 hours gaining experience with a local employer in a field that matches your interests, passions and career goals.

ACE IT: ACCELERATED CREDIT ENROLMENT IN INDUSTRY TRAINING

Get a head start on the technical training for a trade apprenticeship while you're still in high school. Attend trades training classes at a local high school, a partner post-secondary institution or an ITA-certified training facility and earn credits that count towards your high school diploma and at least one level of technical training.

SSA: SECONDARY SCHOOL APPRENTICESHIP

Find a job and get a head start on the work-based training for a trade apprenticeship while you're still in high school. Not only will you take home a pay cheque, you'll earn 16 credits towards your high school diploma, log 480 training hours towards your trade credential and maybe even earn a \$1,000 scholarship.

OR TRANSITION INTO A TRADE AFTER YOU GRADUATE:

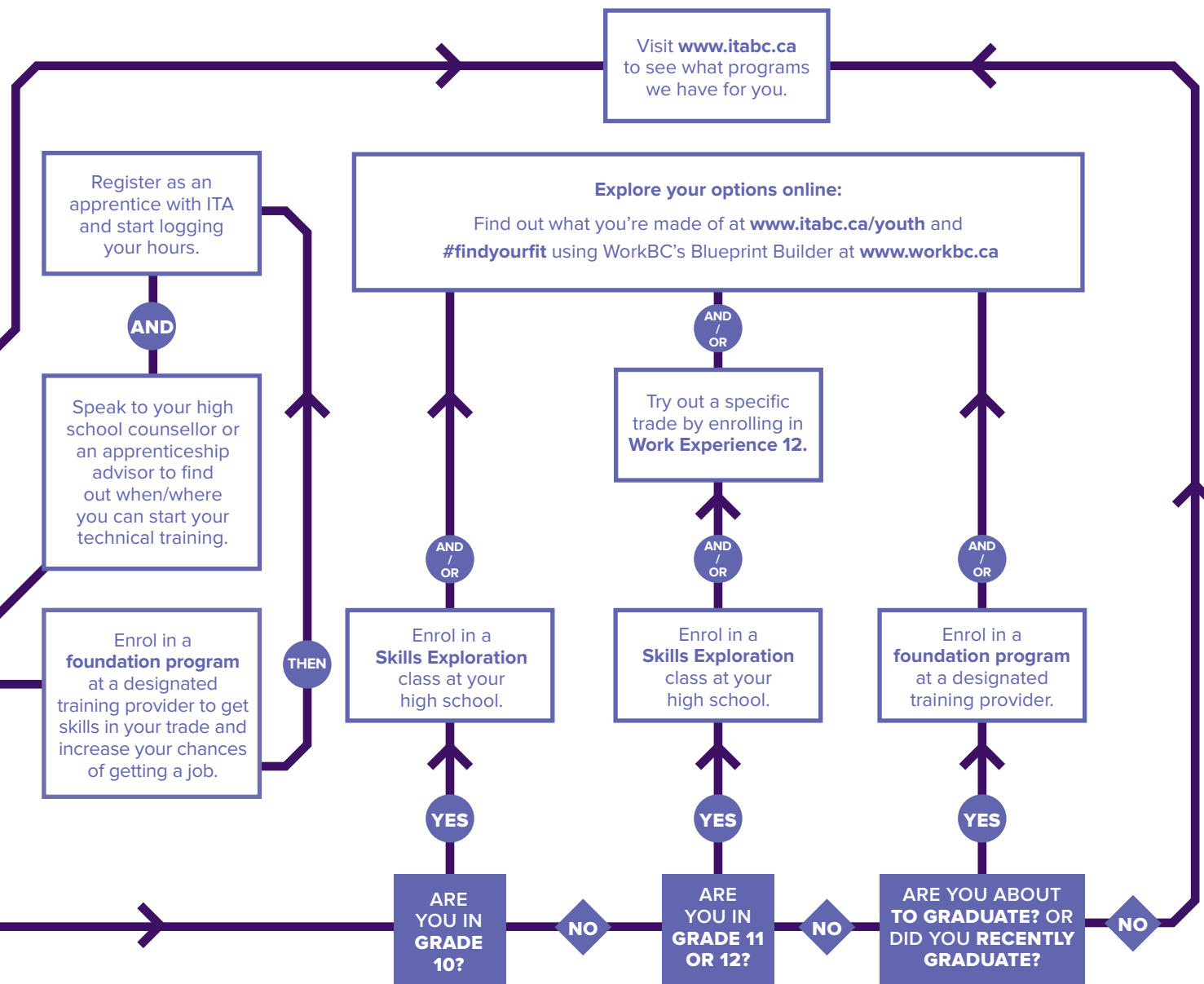
FOUNDATION PROGRAMS

Certain designated training providers offer foundation programs that introduce the specialized knowledge and skills required for a certain trade or group of trades. Ranging from 13 to 30 weeks in length, these programs combine classroom education with work-based experience. In addition to earning training credits and hours that count towards your trade credential, you'll gain valuable skills that will give you an edge when you're looking for a job or employer sponsor.

HOW DO YOUR SKILLS STACK UP?

Every year, trade students and apprentices show off their mastery of skilled trades in school districts across the province as part of a series of Olympic-style competitions organized by Skills Canada BC. Local winners advance to a provincial competition and ultimately the Skills Canada National Competition, where they vie for gold, silver and bronze medals in their trade. Every two years, gold medal winners from the Skills Canada National Competition go on to represent Canada at the international WorldSkills Competition.

Learn more at www.skillscanada.bc.ca



FIND AN EMPLOYER SPONSOR

On-the-job training is a critical part of your learning and one of the most rewarding aspects of apprenticeship. Finding an employer who is willing to mentor and sponsor you will be one of the biggest challenges you face, but there are steps you can take to increase your chances of landing and keeping a job.

“We’re looking for young people who are interested in working and want to learn. I take pride in the fact that we show our apprentices the entire construction process—from foundation to interior finishing. They’ll have those skills.”

Graham Reid
South Delta, BC
Red Seal Carpenter
Founder and Owner of MP Construction Ltd.

“I get to work outdoors, use my hands and learn something new every week. The other carpenters are really good about explaining things and getting me involved—whether they’re putting in a window or framing up a wall.”

Connor Ayton, 15
South Delta, BC
First-Year Carpenter Apprentice

STEP 1 FIND OUT WHO’S HIRING

Search WorkBC’s Apprenticeship Job Match at www.workbc.ca to find companies that are looking for apprentices in your trade.

Contact your local Board of Trade, Chamber of Commerce or WorkBC centre to find smaller companies that may not always advertise jobs.

Go to local events like job fairs to connect with companies that hire your trade.

Let people know you’re looking for a job, including family members, their friends and other adults.

STEP 2 GET READY

Find out how to apply. Depending on the industry or company, you may submit an application online or show up at the job site.

Highlight relevant skills and experiences on your resume. Do you have a First Aid Certificate? Did you take Woodworking 12? Do you regularly change the oil in your car?

Practice your pitch. Be ready to explain who you are and why you want to work for this company in particular.

STEP 3 GET THE JOB

Be professional. Dress suitably, use respectful language, and make sure your email address and outgoing voicemail messages are work-appropriate.

Smile before you say hello on the phone. It changes your voice and gives a good first impression.

Keep a record of when and where you apply. That way, you can follow up later.

Don’t give up! It can take between 12 and 15 applications to get an interview or even hear back.

STEP 4 START OFF RIGHT

Have a positive attitude. Be willing to begin at the bottom and work your way up.

Come prepared. Bring your lunch and any necessary tools or gear.

Find out the cell phone policy—and follow it.

Ask questions if you don’t understand the instructions.

Be ready to work overtime. Many trades don’t follow the clock.

Don’t stand around. If you’re finished your job, tidy your workspace.

Talk to your supervisor if you have any concerns.

GET ANSWERS TO YOUR QUESTIONS

Q: Who can tell me more about ITA programs like ACE IT and SSA?

ITA'S YOUTH INITIATIVES ADMINISTRATOR
(778) 328-8700
youth@itabc.ca

Q: Who can explain the academic requirements for my trade?

Q: Who can tell me if there is an ACE IT or SSA program at my school?

Q: Who can help me find the closest designated training provider for my trade?

YOUR HIGH SCHOOL COUNSELLOR


Q: Who can connect me with agencies and resources to help me find an employer sponsor?

AN APPRENTICESHIP ADVISOR
Find one near you at
www.itabc.ca/apprenticeship-advisors

 [instagram.com/ita_bc](https://www.instagram.com/ita_bc)

 twitter.com/ita_bc

 facebook.com/IndustryTrainingAuthority

 linkedin.com/company/industry-training-authority

IT'S TIME TO FIND OUT

itabc.ca/youth

ita
YOUR TICKET.