



ita | YOUTH

YOU'VE GOT WHAT IT TAKES

Build your future in trades

TRADES GUIDE
EDITION 3

CHASE IT.

OWN IT.

LIVE IT.

DO SOMETHING YOU
LOVE

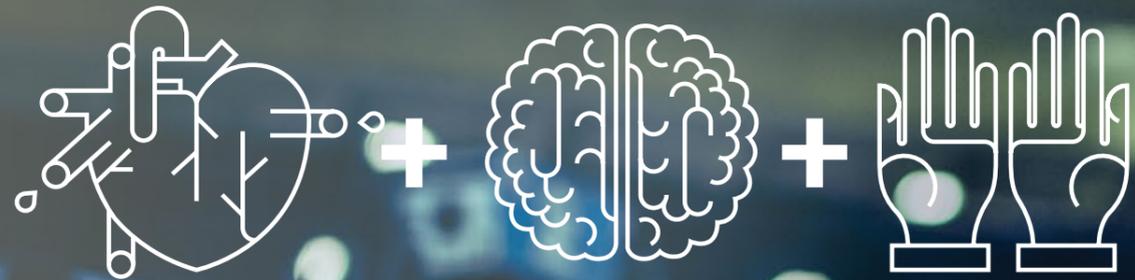


MAKE GOOD
MONEY



BE PART OF A **COMMUNITY**





FIND THE TRADE IN YOU.

No two trades are exactly alike: each one requires a special set of skills and offers different opportunities. ITA can help you get the skills and experience you need to build an exciting future in trades.



FIND YOUR TRADE

ITA can help you find it.

ITA stands for the *Industry Training Authority*. Sounds fancy, but it's simple. ITA's job is to help you succeed in trades. This guide will help you discover what trade might suit you best.

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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 a job 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

Domestic/Commercial Gasfitter

Drywall Finisher

Floor Covering Installer

Glazier

Insulator (Heat & Frost)

Lather (Interior Systems Mechanic)

Machinist

Metal Fabricator

Piledriver & Bridgeworker

Residential Steep Roofer

Roofer

Tilesetter

Tool & Die Maker

Welder

Are you a Builder? Learn more at
[ITABC.CA/YOUTH](https://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:

REFRIGERATION & AIR CONDITIONING MECHANIC

Not too hot, not too cold, but just right. Your job is all about keeping people and products comfortable by installing, maintaining and repairing industrial refrigeration and air conditioning systems.

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 Systems Technician

Gasfitter

Locksmith

Petroleum Equipment Installer

Plumber

Power Line Technician

Security Systems Technician

Sprinkler System Installer

Steamfitter/Pipefitter

Are you an Analyzer? Learn more at
[ITABC.CA/YOUTH](https://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, in 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

Embalmer

Tower Crane Operator

Water Well Driller

Are you an Operator? Learn more at
[ITABC.CA/YOUTH](https://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 throwing 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 specialty. 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

Marine Mechanical Technician

Marine Service Technician

Motor Vehicle Body Repairer

Motorcycle Mechanic

Partsperson

Petroleum Equipment Service Technician

Recreational Vehicle Service Technician

Residential Building Maintenance Worker

Saw Filer

Transport Trailer Technician

Truck & Transport Mechanic

Are you a Fixer? Learn more at
[ITABC.CA/YOUTH](https://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 adrenalin 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 aging buildings and convert boring white walls into works of art.

Or what about:

Automotive Painter

Baker

Dairy Production Technician

Funeral Director

Hairstylist

Meatcutter

Are you an Artisan? Learn more at
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.

HORTICULTURIST, LANDSCAPE

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:

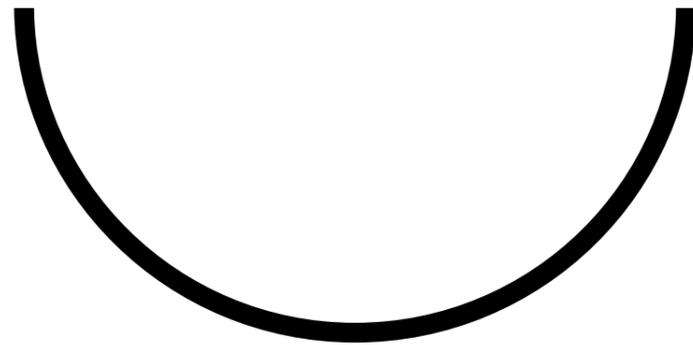
Climbing Arborist

Field Arborist

Horticulturist, Production

Are you an Outdoorist? Learn more at
[ITABC.CA/YOUTH](https://www.itabc.ca/youth)

LIVE THE LIFE YOU WANT.



Earn a good living doing something you love. The trades offer endless opportunities for a mobile, flexible career that suits your unique interests. As a certified tradesperson, your skills are in high demand all over the world.

Inspire others. Build your future. There's a trade in you.

WHY CHOOSE TRADES?
Hear from these young apprentices



CARPENTER

JOY WOSK

19 years old, Vancouver, BC

My company is like a family. One of my former co-workers is now one of my closest friends. Whenever you meet someone who is also in the trades, you have an instant connection.

“I love knowing that I’m building a great career while I’m young.”

MACHINIST

CHELSEA BARRON

22 years old, Langley, BC

I was always a hands-on learner and had a creative mind, so I knew that working in trades was a good fit for me. I like the feeling of accomplishing a goal and creating things.

“My future in trades excites me because the possibilities are huge.”

AUTOMOTIVE PAINTER

RICKY SANDHU

26 years old, Surrey, BC

I'm excited to be moving forward with my own business and seeing what other doors open for me. You can learn so much. You can go anywhere for training: you can go to London, England and Germany. You can go almost anywhere in the world and still be qualified.

“Starting my own business is something that I've always wanted to do.”

BUILD YOUR FUTURE

Enrol in an ITA Youth Trades Program

FIND THE RIGHT PROGRAM FOR YOU

No matter how young (or old) you are or how much (or little) you know about trades, there is an ITA Youth Trades Program to help you get started.



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DISCOVER

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EXPLORE

ita | YOUTH

TRAIN

ita | YOUTH

WORK



SPARK YOUR INTEREST IN TRADES WITH HANDS-ON TRADES ACTIVITIES

Youth Discover Programs will get you talking about trades. The programs vary from one day events with local tradespeople to regular classroom activities that incorporate trades thinking and skill building. You'll learn about what a trade is and why trades are awesome!

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DISCOVER

THE TRADES

Spark your interest in trades

Get hands-on experience in a trade at a Youth Discover the Trades event in your community. This exciting event connects you, your parents and your teachers with local tradespeople and their employers so you can see firsthand what a career in trades is really like.

**formerly named YES 2 IT*

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DISCOVER

THE MAKER WAY

Get creative with hands-on trades activities

Scratch your head. Roll up your sleeves. Show off your skills. With Youth Discover the Maker Way, you get to put away your books and work in small teams to build a creative solution to a design challenge. This program can be offered as a one-day event, a unit in your class or as a year-long learning program.

**formerly named Maker Day*

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DISCOVER



Lions in the House

This one-day event was created specifically for youth in grades six through nine to learn about the power of choice and opportunities in trades. Compete, cheer and get inspired by Youth Discover Lions in the House!

IS A YOUTH DISCOVER PROGRAM FOR YOU?

- You're in grade 5–10
- You're looking for an introduction to the trades

YOUR NEXT STEPS

- Ask your teacher if a Youth Discover Program is being offered at your school
- Help plan a Youth Discover the Trades event in your community

Learn more
[ITABC.CA/YOUTH/PROGRAMS](https://itabc.ca/youth/programs)



EXPLORE

TRY OUT DIFFERENT TRADES AND BUILD YOUR SKILLS IN MULTIPLE TRADES

Youth Explore Programs let you try out different trades so you can figure out what trade you like best. There are two different Youth Explore Programs available.

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EXPLORE
TRADES SKILLS

Try out a few different trades

This program gives you hands-on experience in more than one trade. You'll learn the basics, explore your interests and get a sense of what trade you want to pursue. From there, you can move onto one of the dual credit programs, such as the Youth Train in Trades Program or the Youth Work in Trades Program.

**formerly named Skills Exploration*

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EXPLORE
TRADES SAMPLER

In-depth way to build your skills in multiple trades

This program lets you explore multiple trades in greater depth. You'll gain practical skills and can even complete certifications that trades employers are looking for. The Youth Explore Trades Sampler is a great way to prepare for an apprenticeship program such as the Youth Train in Trades Program or the Youth Work in Trades Program.

**new program*

PROGRAM PATH



IS A YOUTH EXPLORE PROGRAM FOR YOU?

- You're in grade 10–12
- You're interested in trying out different trades
- You may have some trade experience already

YOUR NEXT STEPS

- Talk to your high school counsellor to see if a Youth Explore Program is offered in your area

Learn more
[ITABC.CA/YOUTH/PROGRAMS](https://itabc.ca/youth/programs)



GET A HEAD START ON YOUR TECHNICAL TRADES TRAINING

Attend a trades training class at a local high school, a partner post-secondary institution or an ITA-certified training facility. You'll learn from skilled instructors and earn credits that count towards your high school diploma and Level 1 of your technical trades training. Youth Train in Trades and Youth Work in Trades Programs can be taken in any order and there are no prerequisites.

*formerly named ACE IT

PROGRAM PATH



IS THE YOUTH TRAIN PROGRAM FOR YOU?

- You're in grade 11-12
- You found a trade that you like and want to learn more

YOUR NEXT STEPS

- Talk to your high school counsellor to see if a Youth Train Program is offered in your area

Learn more
ITABC.CA/YOUTH/PROGRAMS



GET ON-THE-JOB TRAINING AS A YOUTH APPRENTICE

Get ahead on the work-based training of a trade apprenticeship while you're still in high school. Not only will you take home a pay cheque, you'll earn up to 16 credits towards your high school diploma, log 480 training hours toward your trade credential and maybe even earn a \$1,000 award. Youth Train in Trades and Youth Work in Trades programs can be taken in any order and there are no prerequisites.

*formerly named SSA

PROGRAM PATH



IS THE YOUTH WORK PROGRAM FOR YOU?

- You're in grade 10–12
- You want to get on-the-job training in your trade

YOUR NEXT STEPS

- Talk to your high school counsellor
- Connect with an ITA Apprenticeship Advisor in your area (see page 44)

Learn more
ITABC.CA/YOUTH/PROGRAMS

YOUR PATH TO APPRENTICESHIP

A trade apprenticeship is how you gain the knowledge and skills you need for a career in your trade. Some ITA Youth Trades Programs let you try out different trades to find what trade you like best. Other programs help fulfill the hours you need to complete your trade apprenticeship. Most apprenticeships take about four years to complete. Yours might be longer or shorter depending on your trade, how many hours you work and the training you take in high school.

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DISCOVER

Spark your interest in trades with hands-on trades activities and special events.

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EXPLORE

Build your skills in a few different trades to find out what trade you like best.

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TRAIN

Classroom-based trades training that counts towards your trade apprenticeship.

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WORK

Find a job and get started on the work-based training for your trade apprenticeship.

As a trade apprentice, you'll spend part of your time in a classroom or shop, learning from a skilled trades instructor. The rest of the year, you'll earn while you learn, working on a job site alongside experienced tradespeople. At the end of your trade apprenticeship, ITA will award you a trade credential or "ticket" that allows you to work in different places in BC, Canada or all over the world.

THE TRADE APPRENTICESHIP

20% CLASSROOM TRAINING

In a classroom or shop at a university, college or private institution.

80% WORK-BASED TRAINING

Earn while you learn on a job site, working alongside your employer sponsor and experienced tradespeople in your field.

**6,000–10,000 HOURS
UP TO 4 YEARS**

TO COMPLETE APPRENTICESHIP

CERTIFICATION EXAM

YOUR TRADE TICKET

CERTIFICATE OF QUALIFICATION

Work anywhere in BC (and maybe other provinces too, depending on the trade)

OR

RED SEAL ENDORSEMENT

Work in most provinces in Canada (if your trade is one of 50 Red Seal trades)

FIND AN EMPLOYER SPONSOR

On-the-job training is a critical part of your learning and one of the most rewarding aspects of an 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, 16
South Delta, BC
First-Year Carpenter Apprentice

STEP 1 FIND OUT WHO’S HIRING

Search WorkBC’s Apprenticeship Job Match at 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?

Practise 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 to 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 cellphone 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 the task you’re working on, tidy your workspace.

Talk to your supervisor if you have any concerns.

APPRENTICE PROGRAM LISTING

With over 100 apprentice programs in BC, you've got options.

A

Aircraft Maintenance Technician	Architectural Sheet Metal Worker	Automotive Refinishing Prep Technician
Aircraft Structural Technician	Asphalt Paving / Laydown Technician	Automotive Service Technician
Appliance Service Technician	Automotive Glass Technician	
Arborist Technician	Automotive Painter	

B

Baker	Boom Truck Operator–Folding Boom Unlimited Tonnage	Bricklayer (Mason)
Boilermaker	Boom Truck Operator–Stiff Boom Unlimited Tonnage	Broadband Network Technician

C

Cabinetmaker	Climbing Arborist	Construction Craft Worker (Labourer)
Carpenter	Concrete Finisher	Cook

D

Dairy Production Technician 1	Domestic/Commercial Gasfitter (Class B)
Diesel Engine Mechanic	Drywall Finisher

E

Electric Motor Systems Technician	Electrician, Industrial
Electrician, Construction	Embalmer and Funeral Director

F

Field Arborist	Floor Covering Installer	Funeral Director
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G

Gasfitter (Class A)	Geotechnical / Environmental Driller
Geoexchange Driller	Glazier

H

Hairstylist	Heavy Duty Equipment Operator	Horticulturist, Landscape
Heating Technician	Horticulture Technician Foundation	Horticulturist, Production

I

Industrial Mechanic (Millwright)	Insulator (Heat and Frost)	Ironworker Generalist
Instrumentation and Control Technician	Ironworker - Reinforcing	

L

Lather (Interior Systems Mechanic)	Locksmith
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M

Machinist	Meatcutter	Mobile Crane Operator–Lattice Boom Friction Crane
Marine Foundation	Metal Fabricator (Fitter)	Motor Vehicle Body Repairer (Metal & Paint)
Marine Mechanical Technician	Mobile Crane Operator Hydraulic–80 Tonnes and Under	Motorcycle and Power Equipment Technician
Marine Service Technician	Mobile Crane Operator Hydraulic–Unlimited Tonnage	

P

Painter and Decorator	Petroleum Equipment Installer	Power Line Technician
Parts and Warehousing Person 1	Petroleum Equipment Service Technician	Professional Cook 1
Partsperson 2	Piledriver and Bridgeworker	Professional Cook 2
Partsperson 3	Plumber	

R

Recreation Vehicle Service Technician	Residential Steep Roofer	Roofer
Refrigeration and Air Conditioning Mechanic	Rig Technician	
Residential Building Maintenance Worker	Road Builder and Heavy Construction Foundation	

S

Saw Filer	Sheet Metal Worker	Sprinkler System Installer
Security Systems Technician	Shipyard Labourer	Steamfitter / Pipefitter

T

Tidal Angling Guide	Tool and Die Maker	Transport Trailer Technician
Tilesetter	Tower Crane Operator	Truck and Transport Mechanic

U

Utility Arborist

W

Water Well Driller	Welder Endorsement–Multi-Process Alloy Welding
Welder	Well Pump Installer

For more information on how to get started, speak to your school counsellor or go online to learn more.

ITABC.CA/YOUTH

GET ANSWERS

ITA is here to help.

Who can tell me more about ITA Youth programs like Youth Train and Youth Work?

ITA'S YOUTH INITIATIVES ADMINISTRATOR

(778) 328-8700
TOLL-FREE 1-866-660-6011
youth@itabc.ca

Who can explain the academic requirements for my trade?

YOUR SCHOOL COUNSELLOR

Who can tell me if there is a Youth Train or Youth Work Program at my school?

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

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

AN ITA APPRENTICESHIP ADVISOR

There are 15 ITA Apprenticeship Advisors around the province. Connect with one in your community to help you navigate your trades training.

Find one near you at
itabc.ca/apprenticeship-advisors

How can I create a personal career plan?

WORKBC.CA/BLUEPRINTBUILDER

WHO IS ITA?

It's ITA's job to answer your questions about trades training and certification, and issue your trade credentials, such as the Certificate of Qualification or Red Seal Endorsement when you finish your apprenticeship.

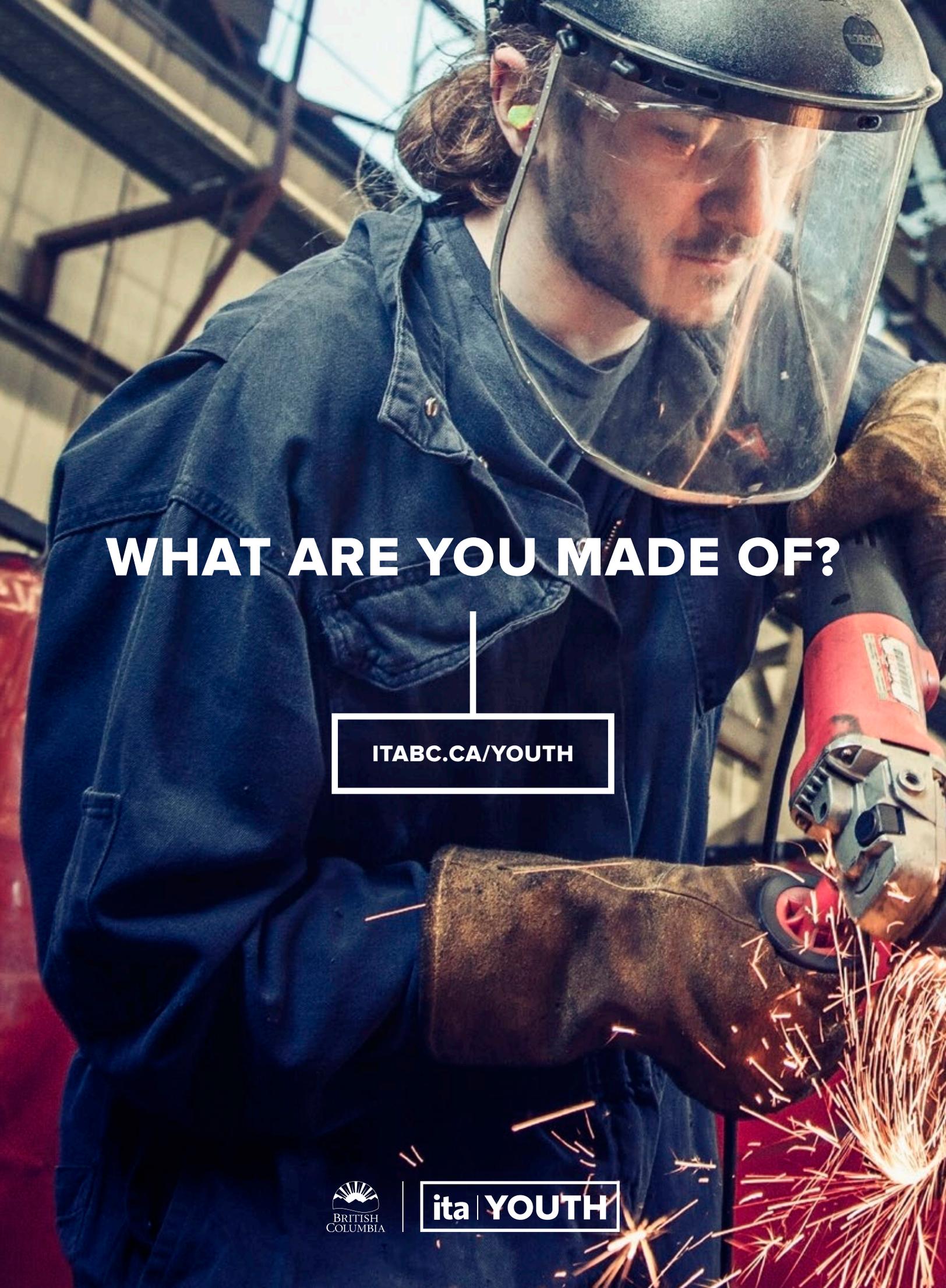
GET CONNECTED

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

 twitter.com/ita_youth

 [facebook.com/IndustryTrainingAuthority](https://www.facebook.com/IndustryTrainingAuthority)

 [youtube.com/itabctradestraining](https://www.youtube.com/itabctradestraining)



WHAT ARE YOU MADE OF?

[ITABC.CA/YOUTH](https://itabc.ca/youth)



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