

B.C.'S SKILLS FOR JOBS BLUEPRINT: RE-ENGINEERING EDUCATION AND TRAINING

IN B.C., WE HAVE AN INCREDIBLE OPPORTUNITY ON THE HORIZON: 1 MILLION JOBS.
WE ARE RE-ENGINEERING EDUCATION AND TRAINING SO THAT B.C. STUDENTS AND
WORKERS HAVE THE SKILLS TO BE FIRST IN LINE FOR JOBS IN A GROWING ECONOMY.



B.C.'S SKILLS FOR JOBS BLUEPRINT: RE-ENGINEERING EDUCATION AND TRAINING

- ✓ Economic **data-driven model**, so training dollars and programs synchronize with jobs-in-demand;
- ✓ Detailed, cross-government **action plan** to ensure that B.C. has the trained workers needed to fill the top LNG-related jobs and other in-demand occupations;
- ✓ **Innovation** in delivering education and training to meet the needs of British Columbians;
- ✓ Giving employers, labour, and industry a **stronger role** in shaping and evaluating our skills and training funding and program delivery;
- ✓ **Changing culture and attitudes** – that includes getting more young people involved earlier in trades and technical training;
- ✓ Working closely with **Aboriginal communities** to support skills training.

B.C.'S SKILLS FOR JOBS BLUEPRINT: RE-ENGINEERING EDUCATION AND TRAINING

B.C.'s Skills for Jobs Blueprint

• Three Pillars

1. K-12
2. PSE
3. Apprenticeships / On-the-Job

• Major Shift in Resources

- ✓ 10-year plan
- ✓ By year 4, nearly \$400 million/yr targeted toward labour market priorities
- ✓ By year 10, approximately \$3 billion redirected

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1 A HEAD-START TO HANDS-ON LEARNING IN OUR SCHOOLS

Icon: Wrench and screwdriver

If you're in elementary, middle or high school, we want to give you an earlier head start to hands-on learning so you're ready for the workforce or more advanced training when you graduate.

Double NCET
- 5000+ hours of recruitment and employment education for up to 100 students, Aboriginal outreach

Expand WorkBC.ca
- Organized into apprenticeships to help youth find work

Encourage partnerships
- Encourage industry, industry, post-secondary and Aboriginal communities to work as a team to grow programs together

Find Trade Apprenticeships
- Provide students with information about careers in the trades

Advance to 10-12 high school graduation
- Increase graduation rate

Revise K-12 curriculum
- Remove hands-on learning for students

Quality more teachers
- Increase the number of teachers to teach foundation courses

Increase skills training scholarships
- 100 more scholarships

2 A SHIFT IN EDUCATION AND TRAINING TO BETTER MATCH WITH JOBS IN DEMAND

Icon: Graduation cap

If you're in college, university or college, or are thinking about attending, we're matching training with jobs in demand, and ensuring the programs you need to complete successfully in the workforce.

Target grants for students
- Grant and program support (AGPS) to support students to study for jobs in demand

Invest in programs
- Support post-secondary funding to programs supporting in-demand jobs

Invest in programs for persons with disabilities
- Support students with disabilities to learn technical and trade training

Invest in labour market programs for youth
- Support for programs for youth

Invest in initiatives for Aboriginal people
- Support for training and employment

Invest in training spaces
- Support for training and employment

Invest in infrastructure
- Support for training and employment

3 A STRONGER PARTNERSHIP WITH INDUSTRY AND LABOUR TO DELIVER TRAINING AND APPRENTICESHIPS

Icon: Wrench and screwdriver

If you're looking to move into or up in the workforce, we're building stronger partnerships with industry and labour to better connect you with the job and ensure training you need to boost your skills or career progression.

Publish important info
- Share with info about which jobs will be in demand

Create more apprenticeships
- Support apprenticeship training

Remove barriers to training
- Support for training and employment

Remove innovative solutions
- Support for training and employment

Connect youth with the workplace
- Support for training and employment

Human Employment Program of BC
- Support for training and employment

Invest in Community Employer Partnership Program
- Support for training and employment

Invest in Canada Job Grant
- Support for training and employment

Train for the jobs we need
- Support for training and employment

WorkBC

#FINDYOURFIT

PLEASE VISIT US FOR MORE INFORMATION: WORKBC.CA/SKILLS

A HEAD-START TO HANDS-ON LEARNING IN OUR SCHOOLS

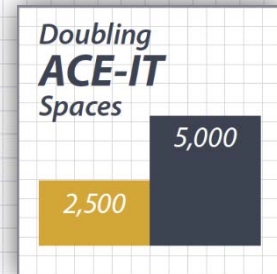


If you're in elementary, middle or high school, we want to give you an earlier head-start to hands-on learning so you're ready for the workforce or more advanced training when you graduate.



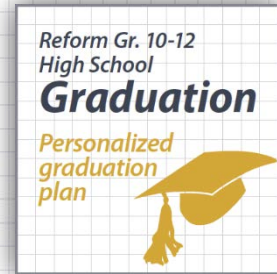
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- ✓ **Doubling the number of ACE IT spaces to 5,000 over the next two years;**
- ✓ **Expanding WorkBC.ca and Web tools to focus on youth;**
- ✓ **Expanding dual credits in our schools to get students trained more quickly;**
- ✓ **Encouraging partnerships.**



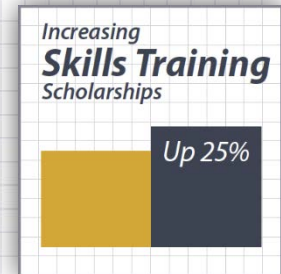
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- ✓ Funding for apprenticeship **trades ambassadors**;
- ✓ **Reform** Grades 10–12 graduation requirements to allow personalized graduation plans;
- ✓ Applied **Skills Curriculum** in Grades K–9 should excite and prepare students.



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- ✓ More teachers qualified to teach **skills foundation courses** in high schools;
- ✓ Make it **faster and easier** for qualified tradespeople to earn teaching certificates;
- ✓ More skills-training **scholarships**;
- ✓ **Inform and engage** parents, teachers, and counsellors.



A SHIFT IN EDUCATION AND TRAINING TO BETTER MATCH WITH JOBS IN DEMAND



If you're in a college, university or institute, or are thinking about attending, we're matching training with jobs in demand, and maximizing the spaces available to provide the programs you need to compete successfully in the workforce.



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- ✓ **Target Student Financial Assistance** grants to labour market priorities – \$40 million per year;
- ✓ **Align 25% of public institutions'** operating grants to support in-demand jobs as well as programs for Aboriginal people, and programs for people with disabilities – an additional \$270 million per year by 2017–18;
- ✓ Allocate \$6.6 million to **reduce waiting lists** in high-demand, LNG-related trades;
- ✓ Invest **\$185 million** over three years in **infrastructure and equipment** for skills and trades training.

\$185M targeted
for **skills** and
trades **training**
infrastructure and
equipment

Investing
in **Programs**
\$6.6M
For Critical
Trade Seats

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- ✓ Continue to implement the **Aboriginal Post-Secondary Education** and Training Policy Framework;
- ✓ Fund Aboriginal **community-based** delivery training;
- ✓ Provide \$1.5 million to public postsecondary institutions to pilot innovative training and initiatives to increase the success of **persons with disabilities**;
- ✓ Publish **information** on in-demand programs.



Results for the postsecondary sector:

- ✓ System funding is directed to needs and is **outcome-based**;
- ✓ British Columbians are **first in line** with the skills needed for jobs to help grow B.C.'s economy;
- ✓ **Youth have choices** and are encouraged to study for in-demand occupations and to go where the jobs are located;
- ✓ **Industry and labour** market needs are met.



A STRONGER PARTNERSHIP WITH INDUSTRY AND LABOUR TO DELIVER TRAINING AND APPRENTICESHIPS

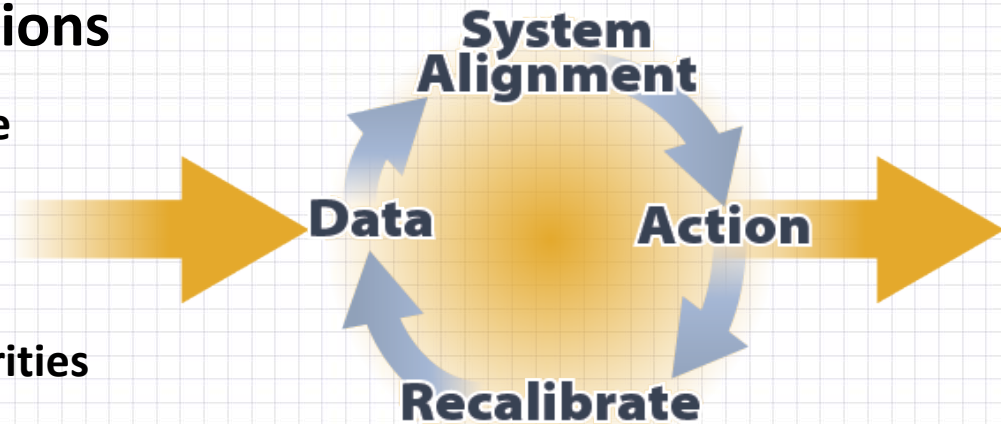


If you're looking to move into or up in the workplace, we're building stronger partnerships with industry and labour to better connect you with the on-the-job and classroom training you'll need to boost your skills or achieve certification.



✓ Get and use labour market information to inform decisions

- Regularly **refine and update**
- **Align programs** with labour market demands
- Create **Labour Market Priorities Board**



✓ Refocusing the Industry Training Authority (ITA)

- Moving toward a **demand-driven** system;
- Unifying **cross-government** decision making based on labour market information and workforce targets;
- **Reconstituting** the ITA board of directors;
- Holding the ITA and institutions **accountable** for system results;
- Bringing the Industry Training Organizations inside the ITA and establishing **Sector Advisory Councils**.



✓ Investing in connecting youth with the workplace

- **Attracting students** to trades and technical careers;
- Increasing **employer sponsors** for apprenticeships;
- Creating more **work-based** training;
- **Preparing and matching** British Columbians with jobs;
- Hiring more **Apprenticeship Advisors**;
- Making it **easier for workers to move** between major projects.



✓ Work in partnership with Government of Canada

- **Maximize employer investment** in Canada Job Grant and Labour Market Development Agreement;
- Memorandum of Understanding on a **Strong Resource Economy**;
- **Increase the number** of apprenticeships in high-demand areas;
- **Reduce barriers** to labour mobility and foreign credential recognition for workers.



✓ Develop innovative solutions to make trades training work better

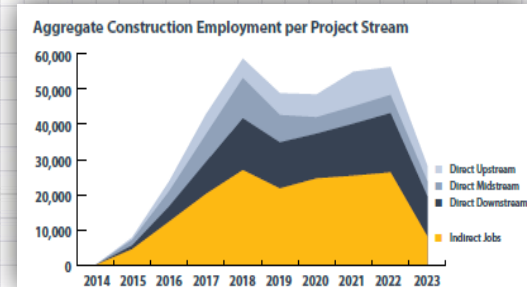
- **Modernize** delivery systems:
 - Mobile training facilities
 - In-camp training
 - Front-end-loaded courses
 - Virtual classrooms
- **Harmonize** apprenticeship training across Canada;
- **Share equipment** and facilities with industry;
- Improve apprenticeship **completion rates**.



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✓ Applying *B.C.'s Skills for Jobs Blueprint* to LNG

- Working with KPMG:
 - **Up-to-date data**, in partnership with industry
- Up to **100,000 jobs**:
 - Construction, Operation, Induced
 - Upstream, Midstream, Downstream
- **\$175 billion in direct industry investment** (five plants):
 - Generating up to \$1 trillion in economic opportunity



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Top 10 LNG Jobs-In-Demand

1. Construction trades helpers and labourers: 11,800
2. Steamfitters and pipefitters: 3,800
3. Welders: 2,200
4. Concrete finishers: 1,500
5. Truck drivers: 1,500
6. Carpenters: 1,400
7. Heavy-equipment operators: 1,100
8. Gas fitters: 1,100
9. Purchasing agents & officers: 875
10. Crane operators: 800

- Based on **industry data**
- Specific, **Blueprint actions** to increase supply of workers

