## B.C. Education System Today

### K–12 EDUCATION SECTOR

<table>
<thead>
<tr>
<th>Sector</th>
<th>Schools</th>
<th>Districts</th>
<th>Students</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Public</strong></td>
<td>1,578</td>
<td>60</td>
<td>569,000</td>
</tr>
<tr>
<td><strong>Independent</strong></td>
<td>367</td>
<td></td>
<td>86,000</td>
</tr>
<tr>
<td><strong>First Nations</strong></td>
<td>129</td>
<td></td>
<td>~8,000</td>
</tr>
<tr>
<td><strong>Off-Shore</strong></td>
<td>45</td>
<td></td>
<td>11,650</td>
</tr>
<tr>
<td><strong>Homeschooled</strong></td>
<td>2,300</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### WORKFORCE

- **95,000 Employees**: Teachers, Principals, Education Assistants, other supports
- **401 Ministry employees**

- **Average age of Educators**: 43
- **60% of workforce are educators & administrators**

### PROVINCIAL INVESTMENTS

- **$6.6 Billion annually** (+$1 Billion increase in 2 years)
- **$2.7 Billion** seismic upgrades and school construction
Diversity in B.C.

6 Distinct Geographical Regions

Multicultural

STUDENTS
- 72,000 Indigenous
- 73,000 special needs
- 75,000 English/French language learners
- 6,300 children and youth in care

DISTRICT SIZES
Ranging from 154 to 73,639 students

SCHOOL SIZES
Ranging from 5 to 2,056 students

Urbanization
~ 67% of BC’s population lives in the Lower Mainland or Greater Victoria Region

139 Communities with only one school
B.C. Student Education Outcomes: The Educated Citizen

B.C. Students Achieve Exceptional Education Outcomes

Intellectual Development
- International Assessments (PISA)
- Completion (Graduation) Rates

Human and Social Development
- Engagement and Inclusion

Career Development
- Transition Rate to post-secondary education
Reading Performance (PISA) – Mean Score (2015)
Mathematics Performance (PISA) – Mean score (2015)
Science Performance (PISA) – Mean score (2015)
Human and Social Development

Student Learning Survey in British Columbia 2017/18

- **83%** of students felt that they respect people who are different from them
- **68%** of students felt welcome at their school
- **68%** of students believed that at least three adults care about them at their school
Future Orientation

- Students entering kindergarten this year will graduate in 2030 and retire around 2075.
- They will need to be **persistent in pursuing their education**, **embrace the use of technology** and further **develop essential skills targeted at meeting their potential**.
- Students will need to be prepared for graduation with practical expectations informed by employers and post-secondary institutions.
Demographics

In B.C., we know **fewer young people** are entering the workforce and **more older workers** are exiting.

Source: BC Stats, Ministry of Advanced Education Skills and Training
Labour Market Outlook 2018

Projected Job Openings by Education Requirements

- **903,000** job openings expected in B.C. to 2028
- **325,100** – 36% Bachelor’s, Graduate or First Professional Degree
- **371,300** – 41% Diploma, Certificate or Apprenticeship Training
- **176,300** – 20% High School and/or Occupation Specific Training
- **30,200** – 3% Less than High School

Source: BC 2018 Labour Market Outlook
## Labour Market Outlook 2018

### Projected Job Openings by Industry

<table>
<thead>
<tr>
<th>Industry</th>
<th>Replacement</th>
<th>Expansion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health care and social assistance</td>
<td>80,500</td>
<td>67,900</td>
</tr>
<tr>
<td>Professional, scientific and technical services</td>
<td>55,200</td>
<td>51,000</td>
</tr>
<tr>
<td>Retail trade</td>
<td>61,400</td>
<td>20,900</td>
</tr>
<tr>
<td>Accommodation and food services</td>
<td>30,000</td>
<td>31,100</td>
</tr>
<tr>
<td>Finance, insurance and real estate</td>
<td>41,800</td>
<td>17,900</td>
</tr>
<tr>
<td>Information, culture and recreation</td>
<td>31,600</td>
<td>27,400</td>
</tr>
<tr>
<td>Transportation and warehousing</td>
<td>38,600</td>
<td>20,300</td>
</tr>
<tr>
<td>Educational services</td>
<td>41,800</td>
<td>10,400</td>
</tr>
<tr>
<td>Manufacturing</td>
<td>47,700</td>
<td>2,400</td>
</tr>
<tr>
<td>Construction</td>
<td>54,500</td>
<td>-5,800</td>
</tr>
<tr>
<td>Business, building and other support services</td>
<td>28,900</td>
<td>12,900</td>
</tr>
<tr>
<td>Public Administration</td>
<td>29,500</td>
<td>10,600</td>
</tr>
<tr>
<td>Repair, personal and non-profit services</td>
<td>26,200</td>
<td>13,800</td>
</tr>
<tr>
<td>Wholesale trade</td>
<td>23,000</td>
<td>8,500</td>
</tr>
<tr>
<td>Mining and oil and gas extraction</td>
<td>4,400 / 1,800</td>
<td></td>
</tr>
<tr>
<td>Agriculture and fishing</td>
<td>6,600 / 400</td>
<td></td>
</tr>
<tr>
<td>Utilities</td>
<td>3,800 / 600</td>
<td></td>
</tr>
<tr>
<td>Forestry and logging with support activities</td>
<td>-3,700</td>
<td>5,700</td>
</tr>
</tbody>
</table>
**Labour Market Outlook 2018**

Projected Job Openings by Occupation Group

<table>
<thead>
<tr>
<th>Occupation Group</th>
<th>Replacement</th>
<th>Expansion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sales and service</td>
<td>115,300</td>
<td>70,800</td>
</tr>
<tr>
<td>Business, finance and administration</td>
<td>104,200</td>
<td>47,200</td>
</tr>
<tr>
<td>Management</td>
<td>95,200</td>
<td>29,200</td>
</tr>
<tr>
<td>Trades, transport and equipment operators and related</td>
<td>88,800</td>
<td>17,900</td>
</tr>
<tr>
<td>Education, law and social, community and government services</td>
<td>68,400</td>
<td>34,700</td>
</tr>
<tr>
<td>Health</td>
<td>45,000</td>
<td>37,000</td>
</tr>
<tr>
<td>Natural and applied sciences and related</td>
<td>41,900</td>
<td>29,600</td>
</tr>
<tr>
<td>Art, culture, recreation and sport</td>
<td>19,900</td>
<td>17,800</td>
</tr>
<tr>
<td>Manufacturing and utilities</td>
<td>23,500</td>
<td>2,500</td>
</tr>
<tr>
<td>Natural resources, agriculture and related production</td>
<td>11,400</td>
<td>1,500</td>
</tr>
</tbody>
</table>
Completion Rates (Grade 8 + 6 years)
Transition to Post-Secondary

TOTAL: 76.1%
Student Learning Survey

Are you satisfied that school is... 
*preparing you for a job in the future?*

Many Times/Agree; or All of the Time/Strongly Agree
Student Learning Survey

Are you satisfied that school is... preparing you for post-secondary education?

Many Times/Agree; or All of the Time/Strongly Agree
Curriculum Modernization

Modernization of whole system

• All grades and all subject areas
• Shift to competency based curriculum around ‘big ideas’
• Know/Do/Understand Model
• All provincial assessments
New B.C. Graduation Program

1. B.C. is focused on *student success* with world leading outcomes.

2. Graduation matters. Students who graduate from high school experience better life outcomes and reduced dependency on government supports.

3. Modernizing our graduation program will enable *all students* to succeed.

4. B.C. government has accountability for ensuring confidence in our education system.
## Graduation Requirements

### What’s not changing

**High and measurable standards**

- ✓ Current 80 credits (20 courses) to graduate:
  - • 52 required credits (13 courses)
  - • 28 elective credits (7 courses)
- ✓ Reporting policy
  - • letter grades and percentages

### What is changing

**Better prepare students with literacies and competencies the future requires**

- ✓ Updating curriculum in all subjects and courses
- ✓ Adding three mandatory assessments:
  - Numeracy in Grade 10 and Literacy in Grades 10 and 12

**Better prepare students for transition to post-secondary and careers**

- ✓ Adding two new required Career Education Courses (8 credits)
- ✓ Developing new Careers Strategy
Career Learning

Career Courses
• Career-Life Connections (CLC) includes 30 hours of work experience; Career-Life Education (CLE); Capstone

Explore Sampler Program
• Skills Exploration 10–12 includes modules such as Electronics & Robotics, Design & Drafting, Metalwork

Explore Trades Sampler
• Better track WEX to understand student choice and LMI linkages

Apprenticeship Training
• Youth Work in Trades, Youth Train in Trades

Post-Secondary Courses for Credit
• Funded if they are part of the school-aged student’s planned programs of study leading to graduation

Work Experience Electives
• WEX 12 A/B = 120 hours per course (4 credits each)
Vision

Prepare all students with Skills, Competencies and Attitudes to attain their career objectives

Skills

- Students acquire transferable skills for successful transition to post-secondary education and the workplace, and for throughout their careers

Competencies

- Students can think creatively, communicate effectively, and are personally and socially competent

Attitudes

- Students demonstrate workplace habits through effective working relationships and teamwork

Goal

Each student is prepared to maximize their potential and attain their career objectives
Careers Strategy

What can government, schools, post-secondary institutions, employers, and others do, individually and collectively, to help prepare students with the skills, competencies, and attitudes they need to attain their career objectives?