



# Secondary

## PROGRAMS OF CHOICE

All eight of our high schools offer Programs of Choice that allow students to explore their interests, support their strengths, or get exposed to a career while fulfilling their academic requirements.

The Burnaby School District offers dozens of options, with many put on in partnership with higher education institutions or industry.

**17** Career Education **ADVISORS**

**8** SECONDARY Schools

**1000** WORK EXPERIENCE EMPLOYERS

**8** CAREER CENTRES

**6** SPORTS Clinics & Academies

**8** TECH Options

More than **11,500** SECONDARY Students

**25** AP Courses

**3** Schools Offer FRENCH IMMERSION

## EDUCATIONAL ENRICHMENT

### Advanced Placement Courses

#### Attend any secondary school

AP courses offered to Grade 10-12 students provide motivated learners with the opportunity to take university-level academic courses and potentially earn university credit.

### AP Capstone

#### Attend Burnaby North or Burnaby South

The AP Capstone program provides students in Grades 11 & 12 with skills in research, analysis, evidence-based arguments, collaboration, writing, and presenting, which are critical for post-secondary success.

### BETA Mini School

#### Attend Alpha

Highly able learners in Grades 8 & 9 are challenged in an inclusive environment of intellectual peers.

### Business Summit

#### Attend any secondary school

In partnership with the BCIT School of Business, students in Grades 9-12 explore the world of business, while fulfilling graduation requirements.

### Engineering Summit

#### Attend Cariboo Hill

Students in Grades 10-12 explore the world of engineering while fulfilling graduation requirements.

### French Immersion

#### Attend Alpha, Cariboo Hill or Moscrop

Graduates receive a bilingual designation on their high school diploma.

### Health Sciences

#### Attend any secondary school

Grade 11 & 12 students are supported in their transition to post-secondary education in the field of health care through guest speakers and program-specific labs. Travel to Moscrop Secondary is required.

### Independent Directed Studies

#### Attend any secondary school

Students in Grades 10, 11 or 12 can pursue a specific interest in greater depth and receive credit towards graduation.

## CAREER TRAINING

### Early Childhood Education Assistant

#### Attend any secondary school

Grade 11 & 12 students in this dual credit program gain hands-on experience working with young children in a child care setting. The credits earned in this program can be transferred towards Burnaby Community & Continuing Education's Early Childhood Education certificate or diploma, offering a direct pathway to pursue a career in early childhood education. Successful students receive an ECE Assistant credential upon graduation, making them eligible to work in a licensed child care centre. Travel is required. Academic requirements are met at the student's home school.

### Film & Broadcast

#### Attend any secondary school

Grade 11 & 12 students gain experience and connect with industry employers, all while receiving comprehensive training and developing a portfolio that supports post-secondary application or employment. Travel to Burnaby North is required. Academic requirements are met at the student's home school.

### Fitness Instructor

#### Attend any secondary school

Training for Grade 11 & 12 students interested in careers in kinesiology, physiotherapy, sports medicine, or becoming a personal fitness coach. Options are available to take certifications through Canadian Fitness Education Services (CFES) and/or easy transition to Douglas College diploma or degree programs. Travel to Burnaby South Secondary is required. Academic requirements are met at the student's home school.

### Graphics & Media Arts

#### Attend any secondary school

Grade 11 & 12 students learn industry-standard programs like Adobe Photoshop, Lightroom, Illustrator, InDesign, After Effects, Premier Pro, and Animate. Travel to Byrne Creek Community School is required. Academic requirements are met at the student's home school.

### Music Production & Technology

#### Attend any secondary school

Aspiring musicians, singers, and producers in Grades 11 & 12 compose, perform and produce professional quality recordings. Travel to Burnaby North Secondary is required. Academic requirements are met at the student's home school.

### Tourism & Event Management

#### Attend any secondary school

Grade 11 & 12 students receive globally recognized certification and training in the hospitality industry. Work practicums and field trips provide experience in multiple facets of the industry, including adventure tourism, banquet and convention planning, food and guest services. Other certifications offered are Food Safe Level 1, Serving it Right, and SuperHost. Travel to Burnaby Mountain Secondary is required. Academic requirements are met at the student's home school.

## TECHNOLOGY

### Cisco Networking Academy

#### Attend any secondary school

Students in Grades 11 & 12 work toward industry certification while learning about computer hardware and software. Travel to Burnaby South Secondary is required. Academic requirements are met at the student's home school.

### DigiPen Game Development Academy

#### Attend Cariboo Hill

In partnership with the DigiPen Institute of Technology, students in Grades 8-12 gain valuable hands-on experience in game design and production.

### Microsoft Office Specialist

#### Attend Cariboo Hill

Students in Grades 8-12 receive globally recognized certification in this office standard desktop publishing suite.

### Palo Alto Cybersecurity Academy

#### Attend any secondary school

In partnership with Palo Alto Networks, a leading cybersecurity company, Grade 10-12 students receive globally recognized industry certification. Travel to Cariboo Hill Secondary is required. Academic requirements are met at the student's home school.

### Robotics (Mechatronics)

#### Attend any secondary school

This project-based technology program is open to students in Grades 10-12 who aspire to become programmers, designers, or engineers. Travel to Alpha Secondary is required. Academic requirements are met at the student's home school.

## TRADES

### Youth Explore Skilled Trades

#### Various Secondary Schools

Students in Grade 10 explore various industry sectors through hands-on projects. Areas of study include Mechanics, Robotics, Electronics, Electrical, Carpentry, Metal Fabrication, Plumbing, CNC Machining, 3D Printing, Cooking, Baking, Tourism, and Textiles.

### Youth Work in Trades

#### All Secondary Schools

Students in Grades 10-12 have the opportunity for on-the-job training as a Youth Apprentice in any of 100+ designated trades in BC. Take a paycheque home and earn up to 16 credits toward your high school diploma and a \$1000 award. Academic requirements are met at the student's home school. Apprenticeship training may be done during school time, school holiday breaks, and/or weekends.

### Auto Collision & Refinishing Technician

#### Attend any secondary school

In partnership with Vancouver Community College, students earn Level 1 Post-Secondary Technical certification. The work involves motor vehicle body repair (interior and exterior), ranging from scratches to major structural damage and auxiliary system repair and replacement. Students attend the program at VCC and their home school to meet academic requirements. This program starts in September or February and runs for 10 months (Monday to Thursday).

### Auto Service Technician

#### Attend any secondary school

In partnership with VCC, students achieve SkilledTradesBC accredited Level 1 technical training. An Auto Service Technician diagnoses repairs, adjusts, and replaces mechanical or electrical parts and systems on cars and light trucks. Travel may be required. Academic requirements are met at the student's home school.

### Baker (Pastry Arts)

#### Attend any secondary school

In partnership with VCC, students achieve SkilledTradesBC accredited Level 1 technical training. Bakers prepare and produce baked goods. The majority of work takes place in specialty bakeries, restaurants, hotels, and supermarkets. Students attend the program at VCC and their home school to meet academic requirements. This program starts in July and runs for 6 months (Monday to Thursday).

### CNC Machinist Technician

#### Attend any secondary school

A CNC Machinist utilizes innovative technologies, including sophisticated Computer-Aided Manufacturing (CAM) software and specialty aerospace industry materials to develop and build products. In partnership with BCIT, this program is the first year of a two-year foundation program, which includes an industry-sponsored internship between Level 1 and 2. This program starts full time in January and runs for 8 months.

### Carpenter

#### Attend any secondary school

Students achieve SkilledTradesBC accredited Level 1 technical training. Carpenters build and repair a vast array of structures made of wood, wood-substitutes and erect forms for pouring concrete. Carpenters also use plans and instruments to prepare for excavating and shoring. Construction companies, contractors and maintenance departments are the main employers while others are self-employed. Travel may be required. Academic requirements are met at the student's home school.

### Construction Electrician

#### Attend any secondary school

This foundation program is in partnership with Camosun College. Construction Electricians plan, design, assemble and install electrical systems that provide heat, light, power, alarm, security, communication, and control in residential, commercial, institutional, industrial, transportation, marine, and entertainment environments.

### Hairstylist

#### Attend any secondary school

This is a SkilledTradesBC accredited Level 1 foundation program with 300 hours of practicum. Hairstylists shampoo, design, cut, colour, style, and chemically treat hair. They also provide other services such as scalp treatments and hairpiece services. This one-year program starts in February. Travel may be required. Academic requirements are met at the student's home school.

### Heavy Duty Equipment Technician

#### Attend any secondary school

HDE Technicians maintain, manufacture, overhaul, recondition and repair equipment powered by internal combustion engines or electricity including graders, loaders, shovels, off-highway tractors, off-highway trucks, forklifts, wheeled and tracked vehicles of all types. This program is in partnership with Vancouver Community College and starts in September, running for 9 months (Monday to Thursday).

### Landscape Horticulturist

#### Attend any secondary school

This is a SkilledTradesBC apprenticeship program. Landscape Horticulturists identify, propagate, cultivate, grow and maintain plants, managing injured and diseased trees and plants. They create and modify landscapes by measuring, designing, and interpreting plans. They construct and maintain gardens, parks, golf courses and other landscape environments. A SkilledTradesBC sponsored employer is required to enrol in this 6-week program.

### Metal Fabricator

#### Attend any secondary school

Metal Fabricators deal with the selection, layout, shearing, cutting, drilling, and welding of metal plates and structural steel shapes into products. Projects involve the construction of bridges, buildings, hoppers, conveyors, cranes, heavy mining equipment, logging equipment, ship parts and equipment, and aviation parts and equipment. This program is put on in partnership with BCIT, starts full time in February and runs for 6 months.

### Millwright

#### Attend any secondary school

Millwrights install, repair, overhaul, and maintain machinery and heavy mechanical equipment, such as conveyor systems in diverse settings, including repair shops, plants, construction sites, mines, logging operations, ski hills, and most production and manufacturing facilities. This program is put on in partnership with BCIT, starts full time in September or February and runs for 6 months.

Contact a Career Education Advisor or Counsellor at your school, and visit the District website to learn more about Programs of Choice:

[www.burnabyschools.ca/programs-of-choice](http://www.burnabyschools.ca/programs-of-choice)

## TRADES *Continued*

### Motorcycle Mechanic

#### Attend any secondary school

Motorcycle and Power Equipment Technicians diagnose, repair, adjust and replace engines, drive trains, suspension, and electrical systems on small to medium-sized power products. This program is put on in partnership with BCIT, starts full time in February and runs for 5 months. Contact a Career Advisor at your school for more information.

### Painter & Decorator

#### Attend any secondary school

Put on in partnership with the Finishing Trades Institute, this 6-week Level 1 Technical Training Program runs from mid-June through July. Painter/Decorators prepare and apply paint, install all wall coverings on buildings or structure surfaces, and sand/hydro blast concrete or wood cleaning for decorative or preparatory purposes.

### Plumber

#### Attend any secondary school

Put on in partnership with the Piping Industry College on Annacis Island, students take the Plumber Apprenticeship Technical Training Level 1 Certification for 8 weeks, starting in mid-June. Apprentices may move forward to Pipefitting, Steamfitting, Gasfitting, or Sprinkler Installation or continue apprenticeship in Plumbing.

### Professional Cook

#### Attend any secondary school

Students earn a Skilled Trades BC accredited Level 1 Certificate of Qualification while developing an understanding of the major professional techniques and principles used in cooking, baking, and food preparation. Travel may be required. Academic requirements are met at the student's home school.

### Welder

#### Attend any secondary school

This foundation program is in partnership with the Piping Industry College on Annacis Island. Students learn how to weld ferrous and non-ferrous metals in all positions on both plate and/or pipe using various welding processes. This 7-month full time program starts at various times during the year.

## SPORTS

### Hockey Academy at Burnaby North

#### Attend any secondary school

High-performance hockey training for students in Grades 8-12 with academic requirements met at their home school.

### Hockey Academy at Burnaby Winter Club

#### Attend Burnaby Central

Elite-level hockey training in partnership with the Burnaby Winter Club for students in Grades 8-12 with academic requirements met at the school. Acceptance is contingent on qualifying for the hockey academy team.

### SFU Basketball Clinic

#### Attend any secondary school

In partnership with Simon Fraser University, this year-long program offers high-performance basketball training held at SFU. This is an option for any student in Grades 8-12 with academic requirements met at their home school.

### SFU Soccer Clinic

#### Attend any secondary school

In partnership with Simon Fraser University, this year-long program offers high-performance soccer training held at SFU. This is an option for any student in Grades 8-12 with academic requirements met at their home school.

### Whitecaps Soccer Academy

#### Attend Burnaby Central

Elite soccer training in partnership with the Vancouver Whitecaps for girls in Grades 9-12 with academic requirements met at the school. Acceptance is contingent on qualifying for the Whitecaps Girls Elite REX Academy.

### Volleyball Academy

#### Attend any secondary school

In partnership with Volleyball Canada, this individualized program focuses on an overall skill set, positional training, strength and conditioning at Cariboo Hill Secondary. This is an option for any student in Grades 8-12 with academic requirements met at their home school.



## ONLINE LEARNING

### Burnaby Online

#### Attend any secondary school or exclusively online

Students engage in flexible learning opportunities at their own pace choosing core and elective courses at all grade levels.

## ARTS & ATHLETICS

### Athletics and Visual & Performing Arts

#### Attend any secondary school

Artistic performers and athletes are given the ability to balance their practice and performance schedules with academics.

## Secondary Schools

- Alpha
- Burnaby Central
- Burnaby Mountain
- Burnaby North
- Burnaby South
- Byrne Creek
- Cariboo Hill
- Moscrop

For most programs, registration takes place in February with some requiring a cross-district transfer when the program isn't at the student's home school.

More details about the options listed can be found on the District website.

[www.BurnabySchools.ca](http://www.BurnabySchools.ca)

