

Public High Schools  
Specialized Programs  
& Certificates

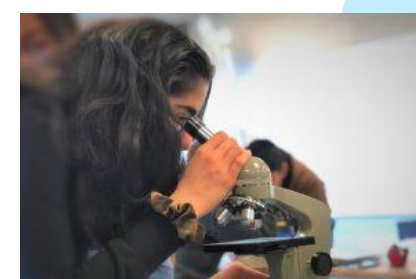
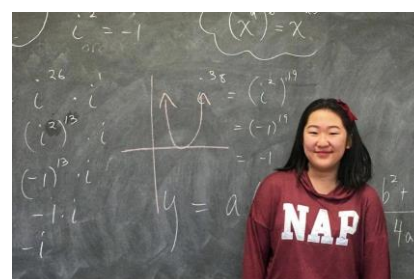
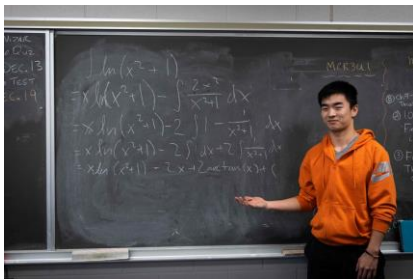
# Application Process for Specialized Schools

- ▶ **Visit the School to make sure your child feels it is the right “FIT”**
  - ▶ Attend School’s OPEN HOUSE (November/December)
  - ▶ Connect with the Guidance Department of current/destination school to clarify the process
- ▶ **Checklist - Meet the Deadlines Dates**
  - ▶ Submit the completed Application (usually on line)
  - ▶ Write the entrance Exam or submit your Portfolio
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  - ▶ Mid-February is when the high schools will contact you with their acceptance decision

# Enriched Programs: Math, Science or Technology

- ▶ Enriched courses in with a focus on in-depth understanding and interest in math, science or technology. Admission requires an A average and other criteria depending on the school. Schools listed below require an Entrance Exam, Application Questionnaire & past Report Cards:
  - ▶ MaCS Program offers Enriched courses in Mathematics, Science, Computer Technology, English and Geography  
School: William Lion Mackenzie
  - ▶ STEM+:Mathematics and Science that takes a Global, Social Justice perspective in the delivery of the curriculum  
School: George Vanier CI  
Requirements: Exam (part one: Math part two: Science) & Application Form
  - ▶ SATEC @ WA Porter CI: Scarborough Academy for Technological, Environmental and Computer Education  
Requirements: Exam (part one: Math part two: Science) & Application Form
  - ▶ TOPS: **Talented Offerings for Programs in the Sciences.**  
School: March Garneau CI & Bloor CI

Additional Schools with Enriched Programs: CW Jefferson CI, Danforth CI, John Polanyi CI, Kipling CI, Northview Heights SS, Runnymede CI, West Humber CI





# International Baccalaureate Diploma

- ▶ **IB: International Baccalaureate Diploma Program**
  - ▶ Rigorous academic program - earn 1st year university credits (six externally marked exams) a university-styled essay, and a philosophy course called Theory of Knowledge. This exciting program gives students a real advantage in applying for post-secondary schools all over the world.
  - ▶ Required Subjects: English, a second language, mathematics, science, social science, the arts & theory of knowledge.
  
- ▶ **Volunteer Hours: 150 hours of activity (volunteer service, sports and the arts)**  
CAS Creativity, Activity, Service

**Schools:** Parkdale CI, Sir Wilfrid Laurier, Victoria Park CI, Weston CI

Refer: [www.ibo.org/programmes/diploma-programme/curriculum/](http://www.ibo.org/programmes/diploma-programme/curriculum/)

Example: [www.ibo.org/programmes/diploma-programme/curriculum/creativity-activity-and-service/cas-projects/](http://www.ibo.org/programmes/diploma-programme/curriculum/creativity-activity-and-service/cas-projects/)

# Advance Placement

- ▶ **AP** is a specialized enrichment program that focuses on mathematics, computers, sciences, arts and humanities.
- ▶ Co-ordinated by the College Board which offers college-level curricula and examinations to high school students. American colleges and universities may grant **placement** and course credit to students who obtain high scores on the examinations.

Schools: Winston Churchill CI, York Memorial CI, Central Toronto Academy, David & Mary Thompson CI, Georges Vanier CI, Lakeshore CI, Martingrove IC, West Humber CI, West Hill CI,



# Specialist High Skills Major Diploma

- ▶ complete your Ontario Secondary School Diploma (OSSD) while focusing on a specific economic sector and supporting transitions to college, apprenticeship, university and the workplace.
  - ▶ complete a specific bundle of 8-10 courses in the student's selected field
  - ▶ earn valuable industry certifications including first aid and CPR qualifications
  - ▶ gain important skills on the job through cooperative education placements Schools:
    - ▶ Aviation & Aerospace: Georges Vanier SS
    - ▶ Arts & Culture: Albert Campbell CI, Georges Vanier SS
    - ▶ Construction: Albert Campbell CI, Cederbrea CI
    - ▶ ICT (Information Communication Technology) SATEC@waPorter CI; Georges Vanier SS; Mark Garneau CI, Stephen Leacock CI (Robotics)
    - ▶ Health & Wellness: Marc Garneau CI, Lester B. Pearson CI
    - ▶ Environmental: Georges S Henry CI,
    - ▶ Hospitality & Tourism: Sir Wilford Laurier CI, Stephen Leacock CI
    - ▶ Business: AY Jackson CI, Sir Wilford Laurier CI
    - ▶ SHSM Horticulture and Landscaping : Parkdale CI
    - ▶ Justice, Community Safety and Emergency Services: Central Tech CI
    - ▶ Manufacturing: Birchmount CI
    - ▶ Non-Profit: Georges Henry CI,
    - ▶ Sports: Agincourt CI, Oakwood CI, Wester CI,



# CYBER ARTS

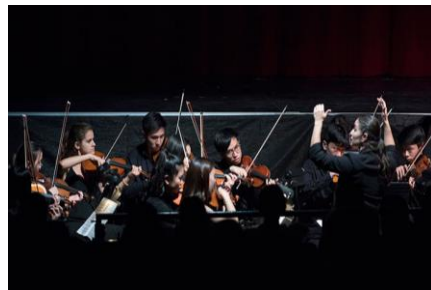
## Cyber Arts/Studies

- ▶ Integrate artistic expression and knowledge of design with technical experience combining the Fine Arts with Computer Technology and Communication Media (project driven curriculum).  
Schools: Don Mills CI, Lakeshore CI, Northview Heights SS, Western Tech



# Arts Focus/Programs

- ▶ **Art Focussed Schools:** specialized schools on visual and performing arts  
Schools: Claude Watson Secondary Arts Program@Earl Haig SS  
Etobicoke School of the Arts  
Rosedale Heights School of the Arts  
Wexford Collegiate School for the Arts
  
- ▶ **Specialized Arts Programs within a school**  
Schools: Central Technical School, CW Jefferys CI, Georges Vanier CI, Downsview CI





# Media Arts

- ▶ Experience a program where television and media arts technologies or graphic design are integrated with a focus on production, live production or print media.

Schools: Cedarbrae CI, Stephen Leacock CI



# Africentric Secondary Program

- ▶ Opportunity to learn in some of their courses through an Africentric lens. This program provides an alternative way of learning while still being part of the school communities.

“The curriculum draws on African-centered sources of knowledge and perspectives to create a rich and diverse educational experience that builds an environment of high academic achievement, increased student engagement and enriched cultural pride for all students.

Schools: Winston Churchill CI and Downsview SS



# Certificates

- ▶ Each TDSB school offers a variety of certificate to students who successfully complete a set group of courses in a specialized subject area:
    - ▶ Business Studies Certificate
    - ▶ Health & Wellness Certificate
    - ▶ Program2Art Certificate
    - ▶ French Certificate
    - ▶ SHSM Certificates  
Aerospace SHSM : Confined Space Awareness, CPR/First Aid, GPS (Global Positioning System)Customer Service, WHMIS,
- ... Please check your local high school for school based certificates



# Dual Credits

Students attend classes on a **college** campus one afternoon a week for approximately 15 weeks. Upon successful completion of the college-delivered course, students earn both:

**DUAL CREDIT** = a college credit + secondary school credit (elective credit)

**COLLEGES:** Centennial College, Humber College, Seneca College and George Brown College

- ▶ Free enrollment in a college course including costs for books and transportation
- ▶ Attend college one afternoon per week.
- ▶ Earn one college credit and one additional high school credit as part of your Cooperative Education credits.



# Extra Curricular Activities @Schools

- ▶ Clubs that your school may offer to enhance your child's learning and leadership development:
    - ▶ Band Club
    - ▶ Chess Club
    - ▶ DECA Club - Business Club
    - ▶ Debate Club
    - ▶ Duke of Edinburgh Award
    - ▶ Junior Achievement: Business Entrepreneurship competitions
    - ▶ Key Club: students perform acts of service in their communities, such as cleaning up parks, collecting clothing and organizing food drives.
    - ▶ Model UN
    - ▶ ME to We Club: volunteer/social awareness
- ... and more - check with your selected high school

# Value Added Activities offered by outside agencies

Activities that you may enroll your child to develop self-discipline, self-confidence, leadership and specialized skills, the Arts (music, dance, drawing, singing) (cost varies):

- ▶ Scouts Canada offers programs for youth starting from age 5 to 26 includes beavers, brownies & cubs
- ▶ Air Cadets
- ▶ Army Cadets
- ▶ St. John Ambulance Cadets
- ▶ Duke of Edinburgh Award



## ▶ Leadership Certificates

**Duke of Edinburgh Award:** Based on Volunteering, Skill Building, Physical Activity & Venture Journey

- ▶ **Outward Bound Courses:** Outdoor leadership, survival and exploring courses such canoeing, mountaineering, rock climbing, backpacking (can be used as a Duke of Edinburgh Award Venture Journey)



- ▶ **Sport Lessons** (private or city of Toronto) to learn skills/ranking/discipline: Taekwondo, Karate, Skating and more...

THE DUKE OF EDINBURGH'S  
INTERNATIONAL AWARD



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# Planning for Post-Secondary .. Begin with the End in Mind

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

- databased with the requirements to enter Ontario university programs

HIGH CONTRAST FRANÇAIS ABOUT

**eINFO** PROGRAMS WHAT INTERESTS YOU? UNIVERSITIES WHERE ARE YOU GOING?

Trent University  
English | RCJ | Exp. learning: Not Available | Enrollment: 200

**Computer Science**  
University of Windsor  
English | NT | Exp. learning: Co-op option available with this program | Enrollment: No limit

**Computer Science – Honours: Computer and Internet Security (regular and co-op)**  
Carleton University  
English | COS | Exp. learning: Co-op option available with this program | Enrollment: 350 (total for all Computer Science programs)

**Computer Science – Honours (regular and co-op)**  
Carleton University  
English | COD | Exp. learning: Co-op option available with this program | Enrollment: 350 (total for all Computer Science programs)

**Computer Science, Mathematics and Statistics**  
University of Toronto – Mississauga  
English | TMZ | Exp. learning: Practicum or internship option available | Enrollment: 350

HIGH CONTRAST FRANÇAIS ABOUT CONTACT FAQS HELP Search

**eINFO** PROGRAMS WHAT INTERESTS YOU? UNIVERSITIES WHERE ARE YOU GOING? FINANCE FEES & SCHOLARSHIPS APPLICATIONS WHAT YOU NEED TO KNOW

## Computer Science – Honours: Computer and Internet Security (regular and co-op)

Carleton University

Compare

Overview Requirements Admission Contact

### Prerequisites

- MHF4U or MCV4U
- 5 best 4U/M courses

### IB and AP Requirements

- [IB Admission Information](#)
- [AP Admission Information](#)

### Language Requirements

The language of instruction at Carleton University is English. If English is not your first language, you must demonstrate that you can cope with the language demands of an English language university.

You can demonstrate your English language proficiency by:

- Presenting official transcripts that indicate that you have studied for the last three years (full-time) in a high school, college or university in Canada, the

### Find a Program

Program Code or Keyword

Show Advanced Search Options

SEARCH ALL PROGRAMS

### Browse Programs

- Browse All Programs
- Browse by Category
- Browse by University
- Show My Comparisons

### Discover Other Options

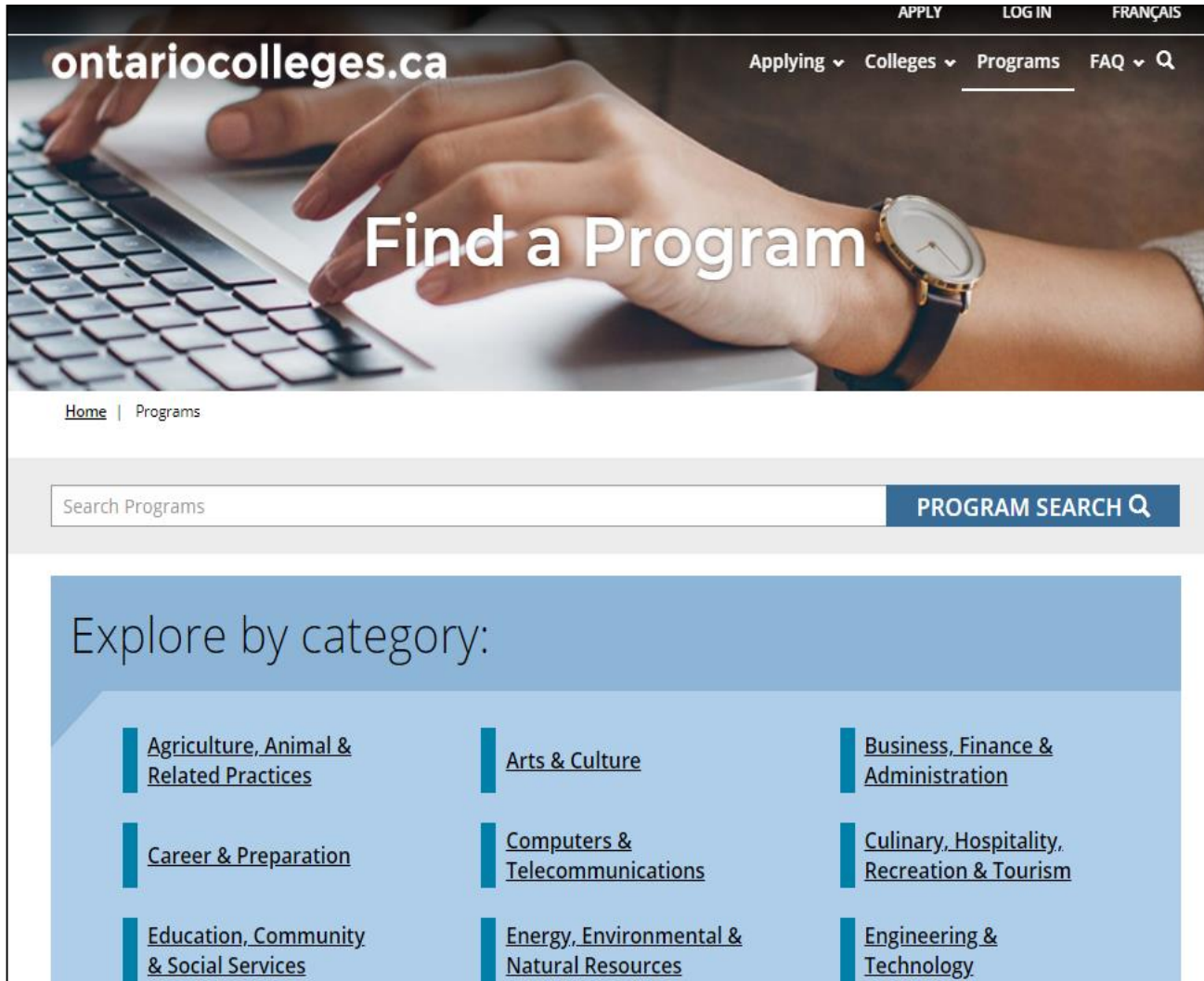
- Collaborative University and College Programs
- Programs Requiring Prior University Study
- Ontario Postsecondary Transfer Guide (ON Transfer)



# Planning for Post-Secondary .. Begin with the End in Mind

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

- databased with the requirements to enter Ontario college programs



The screenshot displays the homepage of the website [ontariocolleges.ca](http://www.ontariocolleges.ca). The page features a navigation bar with links for 'APPLY', 'LOG IN', and 'FRANÇAIS'. Below this, there are dropdown menus for 'Applying', 'Colleges', 'Programs', and 'FAQ', along with a search icon. The main heading is 'Find a Program', overlaid on a background image of hands typing on a laptop. Below the heading, there is a breadcrumb trail: 'Home | Programs'. A search bar is present with the placeholder text 'Search Programs' and a 'PROGRAM SEARCH Q' button. The section 'Explore by category:' lists nine program categories in a grid format:

- [Agriculture, Animal & Related Practices](#)
- [Arts & Culture](#)
- [Business, Finance & Administration](#)
- [Career & Preparation](#)
- [Computers & Telecommunications](#)
- [Culinary, Hospitality, Recreation & Tourism](#)
- [Education, Community & Social Services](#)
- [Energy, Environmental & Natural Resources](#)
- [Engineering & Technology](#)

# Planning for Post-Secondary .. Begin with the End in Mind

[www.oyap.com](http://www.oyap.com)

School to Work program that opens the door for students to explore and work in apprenticeship occupations starting in Grade 11 or Grade 12 through the Cooperative Education program

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

overview of apprenticeship programs in Ontario



# APPRENTICESHIP

*In Ontario*

LIVE THE SKILLED LIFE!

[www.oyap.com](http://www.oyap.com)

## MOTIVE POWER

- Agricultural Equipment Technician
- ✗ Alignment and Brakes Technician
- ✗ Auto Body and Collision Damage Repairer
- ✗ Auto Body Repairer
- ✗ Automotive Electronic Accessory Technician
- Automotive Glass Technician
- Automotive Painter
- ✗ Automotive Service Technician
- Heavy Duty Equipment Technician
- Marine Engine Technician
- Motive Power Machinist
- ✗ Motorcycle Technician
- Powered Lift Truck Technician
- Recreation Vehicle Technician
- Small Engine Technician
- ✗ Tire, Wheel and Rim Mechanic
- ✗ Transmission Technician
- ✗ Truck and Coach Technician
- ✗ Truck Trailer Service Technician
- Turf Equipment Technician

## SERVICE

- Aboriginal Child Development Practitioner
- Agriculture - Dairy Herdsperson
- Agriculture - Fruit Grower
- Agriculture - Swine Herdsperson
- Appliance Service Technician
- Arborist
- Assistant Cook
- Baker
- Baker/Patisserie
- Chef (C of Q Required)
- Child and Youth Worker
- Child Development Practitioner
- Cook
- Developmental Services Worker
- Educational Assistant
- Electronic Service Technician
- Gem Setter/Goldsmith
- ✗ Hairstylist
- Hardware, Lumber & Building Materials Retailer
- Horse Groom
- Horse Harness Maker
- Horticultural Technician
- Information Technology — Hardware Technician
- Information Technology — Network Technician
- Institutional Cook
- Information Technology — Contact Centre Customer Service Agent
- Information Technology — Contact Centre Sales Agent
- Information Technology — Contact Centre Technical Support Agent
- Micro-Electronics Manufacturer
- Native Clothing & Crafts Artisan
- Network Cabling Specialist
- Parts Technician
- Pool and Hot Tub/Spa Installer
- Pool and Hot Tub/Spa Service Technician
- Retail Meat Cutter
- Saddlery
- Special Events Coordinator
- Utility Arborist
- Wooden Boat Rebuilder/Repairer

## CONSTRUCTION

- Architectural Glass & Metal Technician
- ✗ Brick and Stone Mason
- Cement (Concrete) Finisher
- Concrete Pump Operator
- Construction Boilermaker
- Construction Craft Worker
- Construction Millwright
- Drywall, Acoustic & Lathing Applicator
- Drywall, Finisher & Plasterer
- ✗ Electrician - Construction & Maintenance
- Electrician - Domestic and Rural
- Exterior Insulated Finishing Systems Mechanic
- Floor Covering Installer
- General Carpenter
- Hazardous Materials Worker
- Heat and Frost Insulator
- Heavy Equipment Operator — Dozer
- Heavy Equipment Operator — Excavator
- Heavy Equipment Operator — Tractor Loader Backhoe
- ✗ Hoisting Engineer — Mobile Crane Operator 1
- ✗ Hoisting Engineer — Mobile Crane Operator 2
- ✗ Hoisting Engineer — Tower Crane Operator
- Ironworker — Generalist
- Ironworker — Structural and Ornamental
- Native Residential Construction Worker
- Painter and Decorator — Commercial and Residential
- Painter and Decorator — Industrial
- ✗ Plumber
- Powerline Technician
- Precast Concrete Erector
- Precast Concrete Finisher
- Refractory Mason (C of Q Required)
- ✗ Refrigeration/Air Conditioning Systems Mechanic
- Reinforcing Rodworker
- Residential Air Conditioning Systems Mechanic
- Residential (low rise) Sheet Metal Installer
- Restoration Mason
- Roofer
- ✗ Sheet Metal Worker
- Sprinkler & Fire Protection Installer
- Steamfitter
- Terrazzo, Tile & Marble Setter

## INDUSTRIAL

- Bearings Mechanic
- Blacksmith
- ✗ Cabinetmaker
- Computer Numerical Control (CNC) Programmer (C of Q Required)
- Composite Structures Technician
- Die Designer (C of Q Required)
- Draftsperson - Mechanical
- Draftsperson - Plastic Mould Design
- Draftsperson - Tool and Die Design
- Electric Motor System Technician
- Electrical Control (Machine) Builder
- Electrician - Signal Maintenance
- Elevating Devices Mechanic
- Entertainment Industry Power
- Facilities Mechanic
- Facilities Technician Fitter-Assembler (Motor Assembly)
- General Machinist
- Hydraulic/Pneumatic Mechanic
- Industrial Electrician
- Industrial Mechanical Millwright
- Instrumentation & Control Technician
- Light Rail Overhead Contact System Lineperson
- Locksmith
- Machine Tool Builder & Integrator
- Metal Fabricator (Fitter)
- Mould Designer
- Mould Or Die Finisher
- Mould Maker
- Optics Technician (Lens & Prism Maker)
- Packaging Machine Mechanic
- Pattern Maker
- Precision Metal Fabricator
- Pressure Systems Welder (C of Q Required)
- Process Operator — Food Manufacturing
- Process Operator — Power
- Process Operator — Refinery, Chemical and Liquid Processes
- Process Operator — Wood Products
- Pump Systems Installer/Mechanic
- Railway Car Technician
- Relay and Instrumentation Technician
- Roll Grinder/Turner
- Saw Filer/Fitter
- Ski Lift Mechanic
- Surface Blaster
- Surface Mount Assembler
- Technician
- Thin Film Technician
- Tool And Cutter Grinder
- Tool and Die Maker
- Tool And Gauge Inspector
- Tool/Tooling Maker
- Tractor Trailer Commercial Driver
- Water Well Driller
- Welder



# Specialized Programs & Certificates

- ▶ **Visit the School to make sure your child feels it is the right “FIT”**  
**online:** [www.tdsb.on.ca/About-Us/Innovation/High-School-Specialized-Programs](http://www.tdsb.on.ca/About-Us/Innovation/High-School-Specialized-Programs)
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  - ▶ Acceptance Decision by the School - mid February
- ▶ **Build Skills**
  - ▶ Take advantage of opportunities at school, clubs and other extra-curricular activities
- ▶ **Begin with the End in Mind**
  - ▶ Match your child’s interest/skills/abilities with the most appropriate secondary school program “fit”
  - ▶ Investigate post secondary programs at University, College or Apprentice institutions to help guide your child’s next steps to the most appropriate career pathway