

DISTRICT SECONDARY SCHOOLS
Programs of Choice, Advanced Placement (AP) & Other Specialty Courses
2017-2018

[Concurrent Studies SFU](#) & [Douglas College](#) - Available at All Schools

SOUTH ZONE

[Dr. Charles Best](#)

(French Immersion)

AP Chemistry
AP French Exam
AP Psychology Exam
Independent Directed Studies
Butterfly Effect
French DELF Exam
Integrated Physics and Chemistry

Chemistry 12 students have the opportunity to enroll in AP Chemistry (equivalent to SFU CHEM 121, 122; UBC CHEM 121 or 154) in semester two. François 12 students are automatically signed up for the French AP exam as their French language skills are at a very high level through the Immersion Program. Furthermore, students who have excelled in Psychology 12, have scored high on the AP exams and are encouraged to write it. In addition, students who are mastering a course through their own efforts or through outside tutors have the opportunity to sign up and write AP Exams. This has been done in Calculus and English Literature in the past. Through teacher recommendation, students can sign up for independent directed study in the elective areas; for instance, Graphics, Drawing & Painting, Photography, Information Technology, Carpentry and Joinery, and Biotechnology advanced research have been popular. Butterfly Effect is an independent study course where students investigate topics of their own personal interest and connect online with students in Kenya. The goal is for students to move beyond the school curriculum to discover and research areas of passion. Integrated Physics and Chemistry 11 (IPC 11) is designed to introduce students to the fundamental concepts of physics and chemistry as well as the foundational skills required for the upper level courses. Students will be participating in highly interactive and active learning such as group discussions and collaborative research projects.

[Centennial](#)

[Advanced Placement \(AP\)/Honours](#)

AP Biology 12
AP Chemistry 12
AP Physics A and B
AP Calculus
AP World History
AP Psychology
Independent Directed Studies (IDS)

IDS: Student wishing to do a **self-directed study** and write the AP exam in May is encouraged to do so. Every year we have a number of students selecting this option. The AP Coordinator is able to track down resources for students and guide them to a teacher who can help out in that particular subject area. As an example, we had students write exams in the following subject areas last year on a self-directed basis:

Calculus AB, Calculus BC, Physics B, Chinese, European History, World History, Japanese 12AP.

In addition, we also allowed a few students from other (non-AP) schools to register and write their AP exams at Centennial.

Our school does **allow concurrent studies**; students would be registering for the winter/spring semester. Centennial has had students do concurrent studies at Douglas College and also at SFU. With counsellor approval, Centennial students can register for any Douglas College first year university-transfer course where space permits. SFU has a similar process.

Pre-AP Science Program - Grade 9 students have the ability to accelerate, thereby providing additional opportunities for the Advanced Placement science courses in grades 11 and 12. Grade 9 students in the pre-AP program work both independently and with a science teacher on Science 9 online in semester one; students then take Science 10 Honours in semester two. Students who choose this program need a computer and internet access. In grade 10, students would take one or more grade 11 level science courses followed by grade 12 level courses in grade 11. In their grade 12 year, students would be eligible to choose from a variety of AP seminar science courses.

Math 9/10 Accelerated Program – The program is for grade 9 students who have demonstrated the ability and desire to participate in an accelerated program of studies in mathematics. Qualifying applicants are enrolled in Math 10 Foundations & Pre-Calculus (Honours) upon the successful completion and outcome on a challenge exam. These students will then be eligible to complete Math 11 (Pre-

Calculus OR Foundations) in grade 10; Math 12 (Pre-Calculus OR Foundations) in grade 11; Calculus 12 in semester one of grade 12 and **Calculus AP** or selected concurrent studies Math courses through SFU or Douglas College during semester two of grade 12.

Pinetree

Honors & Advanced Placement

AP Approved Courses

AP English Language 12 (Gr. 11 Year)

AP English Literature 12 (Gr. 12 Year)

AP Biology 12

AP Chemistry 12

AP Physics 12

AP Macro and Microeconomics

Independent Directed Studies (IDS) Courses

Math

Science

Japanese

All courses are face to face and approved by the College Board (See AP College Board Ledger <https://apcourseaudit.epiconline.org/ledger/>). Some courses have up to 60 students enrolled (i.e. Bio 12AP and Chem 12AP). As for the IDS, it is truly independent study on a topic that interests them (Based upon the extended essay in IB). Students choose a topic that suits their interests and then work with faculty to develop those interests. Even though Pinetree does not offer a specific AP Calculus class our Honours program and specifically Calculus 12H prepares students to write either the AP Calculus AB or BC exam. New for 2011/2012 will be the addition of honours classes for Art 9, 11 and 12. These courses will focus on developing the student's portfolio and exploring post secondary educational opportunities in the visual arts in Canada. This is complimented by our Language department an IDS course that prepares students for the Japanese AP Exam.

Honors Courses

Art: Art 9H, Art 11H and Art 12H

English: Humanities 9; English 10;

Mathematics: Math 9H, Math 10 (Fall)/11 (Spring) and Math 12 (Fall); Calculus 12 (Spring); Independent Directed Studies (Grade 12 Year)

Social Studies: Humanities 9, Socials 10, Socials 11, **History 12H**

Science: Science 9, 10; Bio 11H; Ch 11H; Ph 11H;

In addition, students may write AP exams in Economics (Macro and Micro) and Psychology

NORTH ZONE

Gleneagle

Advanced Placement (AP)/Honours

AP Calculus AB (within timetable semester 1)

AP European History (within timetable)

AP Psychology (Tuesdays and Thursdays after school Sept. to May)

A number of Gleneagle students may write AP exams with us based upon their own studies or those with a private 'tutorial' service (e.g. Biology, Chemistry, American History, etc.)

Honours Courses

English • English 9 and 10

Mathematics • Mathematics 9 and 10 •

Economics 12 (**AP Prep**)

European History 12 (**AP Prep**)

Science • Science 9 and 10

Social Sciences • Psychology 12 (**AP Prep**)

TALONS – The Academy of Learning for Outstanding, Notable Students – District Secondary gifted program

COAST 10 - Coquitlam Outdoor Academic School Term - Grade 10 Gleneagle students

COAST 11- Coquitlam Outdoor Academic School Term – Grade 11 students (*District Program*)

JumpstART9 - see Specialty Courses below

Port Moody

International Baccalaureate District Program Grade 9 – 12

The International Baccalaureate (IB) Diploma Program is a challenging two-year pre-university curriculum, primarily aimed at students ages 16 to 19. It leads to a qualification that is widely recognized by the world's leading universities. It is a programme that challenges students to excel in their studies and in their personal growth. The aim of all IB programs is to develop internationally minded people who, recognizing their common humanity and shared guardianship of the planet, help to create a better and more peaceful world. An IB education is characterized as one that centres on learners, develops effective approaches to teaching and learning, works within global contexts and explores significant content.

The IB Diploma has been offered as an integral part of the broad educational program at Port Moody Secondary since 1986. A high degree of flexibility is built into the program to ensure that students have the opportunity to individually make choices and selections that provide maximum personal benefits.

The IB Program has been adopted as a district program of choice to ensure that all highly motivated and talented secondary students in School District #43 have equal access to the opportunities provided through this internationally renowned program. It is a district-wide program of choice offering a coordinated curriculum through to grade 12. IB includes appropriately challenging experiences in an environment of positive stimulation. For more information please see: www.ibo.org or www.pmssblues.net

Heritage Woods

AP Calculus 12 Independent Directed Studies (IDS)

Honours Courses:

English • English 10, 11 and 12

Mathematics • Mathematics 10 and 11, and Pre-Calculus 12 (prerequisite for **Calculus 12 AP**).

Math 9 accelerated: After passing a grade 9 challenge exam, students will be enrolled in, and gain credit for, Math 10. This will allow students to be one year ahead in their math classes, opening up more options, including Calculus AP in their grade 12 year.

Independent Directed Studies (IDS) – There are two specific IDS courses, one in Philanthropy and Red Cross Peer-to-Peer facilitating (healthy relationships). Additionally, students can extend the learning outcomes of any course in the school by attaining the approval of a teacher to work directly with the student. This allows for a highly customized high school education that emphasizes individual passions and areas of interest.

Science Co-op 11: see Specialty Courses below.

Hollywood 9: see Specialty Courses below

Vocal Technique (11/12): see Specialty Courses below

Electronics 12: Robotics: see Specialty Courses below

Computer Information Systems 12: see Specialty Courses below

Dance 10-12: see Specialty Courses below

Coquitlam Open Learning (COL) - [COL Course List](#)

We provide flexibly paced online courses that students can start at any time.

- Students can enroll in COL courses while enrolled in their local high school.
- Each secondary school has a COL liaison teacher to support students at their local school. (DL Liaison Teacher)
- Students take online courses for many reasons including; to accelerate, to upgrade a course mark, to take an additional course or one not offered at their school, or simply to work at a more flexible pace.
- Ideal for high school students who are competing or performing at a very high level or need a lot of flexibility with their course schedule and pace of learning.
- Unique programs such as [YELL](#) – Young Entrepreneurship Leadership Launchpad (application required), and Coding.
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The Inquiry Hub Secondary School is a smaller, personalized high school located at Millside Centre. The Inquiry Hub offers grade 9-12 students an innovative, technology driven, full-time program which allows students to pursue their own learning questions by shaping students' educational experience around their interests and cross curricular studies.

This is an ideal setting for self-directed students, and students who want to focus their learning around academic interests that they are passionate about. Students are encouraged to take on projects that make a difference, and apply their learning in practical and meaningful ways. Students leave with all the credits needed for a BC High School Diploma, and have the opportunity to create a comprehensive portfolio based on projects they have pursued. Universities are already showing an interest in portfolios and applied learning, and our graduates have already been accepted into programs like Engineering and Computer Science at UBC. Inquiry Hub Secondary was the 2015 recipient of the Canadian Education Association's Ken Spencer Award for Innovation in Teaching and Learning.

EAST ZONE

Riverside

1:1 RIVERSIDE PREPARES STUDENTS FOR THE 21ST CENTURY

For years, Riverside has been working on ways to integrate technology into teaching and learning practices. We have developed the infrastructure and staff capacity that enables students to come into the school with their own tablet or laptop and use it daily in the classroom. Our focus with technology is on creating citizens who are able to effectively collaborate, create, problem solve, research, and understand media in both a digital and analog world. Next school year, we will continue with this 1:1 digital environment for grades 9,

10, 11 and 12 in which each student brings a device to school. Parents are encouraged to learn about how the technology has been integrated into our classrooms by visiting the [principal's blog](#) located on our school's web-site.

Riverside *con't*

French Immersion

AP Chemistry (semester 2)

AP Physics 12

Independent Directed Studies (IDS)

French DELF Exam

Honors Courses

Mathematics • Mathematics 9, 10, 11 and 12

Science • Science 9, 10

English • English 9, 10, 11 and 12

Socials • 9 and 10

Leadership:

Multicultural Leadership 10, 11 and 12

IDS Leadership 10, 11 and 12

Athletic Leadership 10, 11 and 12

Action Locales 10 (French Immersion Leadership)

Hockey Academy 10, 11 and 12 - see Specialty Courses below

High Performance Sports Academy 10, 11 and 12- TWIST - see Specialty Courses below

Science Co-op 11 - see Specialty Courses below

Computer Networking 11 and 12 - see Specialty Courses below

Culinary Arts Apprenticeship Program - see Specialty Courses below

Terry Fox

AP English Literature/English 12 Honors Full year dual credit

AP Psychology 12

AP Chemistry 11 and 12 (11, 12 and seminar)

AP Calculus 12

Independent Directed Studies (IDS)

French DELF Exam

First year University Concurrent Studies

Terry Fox Secondary allows and encourages concurrent studies; students would be registering for the winter/spring semester for courses at Douglas College and SFU for first year University-transfer credits where space permits.

Pre-AP Honours Program

Terry Fox offers students a wide selection of Honours and academic extension courses for students hoping to pursue AP level courses in their senior years. These include:

Mathematics • Math 9, and 10

Sciences • Science 10

English • English 9, 10, 11 and 12

Social Studies • Social Studies 9, 10, and 11

French • French 10, 11, 12 **DELF Exams** (see Specialty Courses below)

TECCI (Terry fox Enhanced Cluster Class for Inquiry) for grade 9 - see Specialty Courses below

Science Career CO-OP - see Specialty Courses below

Sport Science 11 - see Specialty Courses below

Chess 11 & 12- Math based elective - see Specialty Courses below

Athletic Leadership - see Specialty Courses below

Football 11 and 12; Basketball 11 and 12 - see Specialty Courses below

Sports Medicine 11 - see Specialty Courses below

Astronomy 11 - see Specialty Courses below

Specialty Courses and Programs of Choice in our District

Open to All Students

The following programs are offered on a limited enrolment basis in one or more secondary schools in our district. Students who have an interest in enrolling in any of these "Programs of Choice" should contact their home school counsellor for further information.

Emily Carr – Headstart Concurrent Studies Course Based at Gleneagle (*District Program*)

Apprenticeship Programs – Different Secondary Schools (*District Program*)

Advanced Placement (AP)/Honours

Pinetree, Centennial

These Advance Placement schools offer coordinated program of enrichment for Grades 9-12. Students will be selected for honours classes in core areas, after an application process. In the senior years, students will be prepared to enter AP (Advanced Placement) classes. These courses allow students to work together in challenging environments that will gradually acclimatize them to the rigors of university classes. This program is designed for students who are interested in attending university. The course of study allows students to work together in a rigorous and exciting learning environment.

Aerobics 12

Terry Fox, Centennial (11/12)

This course emphasizes the increase of cardiovascular and muscle fitness. Students will engage in challenging fitness classes. Students enrolled in this course have the option to be certified in the CFES (Canadian Fitness Education Services) Aerobics instructor course. Those students who choose to be certified will learn about instructor teaching skills, program planning, and the components of an aerobics class and safety considerations

Astronomy 11

Terry Fox

Astronomy is a branch of physics. About 10% of the course has a math component in which we solve three variable equations, unit conversions, metric system and trigonometry problems. About 90% of the course involves studying the characteristics of a large number of celestial objects, methods of space travel, stellar motion, biographies of astronomers and the history of the NASA space program. There is no final exam in this course. This course does not provide a Science 11 credit towards graduation but does count as an elective.

Athletic Leadership Program

Terry Fox, Dr. Charles Best, Centennial

This course is for the sports enthusiast who would like to learn more about various aspects of leadership in a sporting environment. Some topics covered in the course are: Team Management, Basic Sport Med., Leading Intramural Activities, Building Leadership Capacity, Organization, Sports Nutrition and Event Planning. A practical component of the course will be included. This is a program designed to support student leadership skills through sport management.

Automotive Service Technician ACE-IT Apprenticeship (*District Program*)

Centennial

This post-secondary program is part of the Industry Training Authority ACE-IT initiative, and is open to Grade 12 students intending to pursue careers as Red Seal certified Automotive Technicians. Students completing this full semester, dual credit, four course program will receive 16 credits toward graduation and will write the Standardized Level 1 assessment exam. A 70% grade on this exam will qualify the student to progress to Level 2 training when requirements for Apprenticeship training hours are met. Work-based training will be an integral part of this program, and must be completed by September 30 of the graduation year. This program is designed for motivated students with a career focus and will provide excellent Apprenticeship placement advantages for successful students. Enrollment in this program will be limited to 18 students per year, and admission will be by application. The application process will include an interview and a review of attendance records and will require a recommendation from the student's Automotive Technology 12 instructor. Applicants will need to have been programmed in such a way as to have completed foundation requirements by the end of the Fall semester of their Grade 12 year.

Foundation: Auto Tech 11 and 12 (C+), English 12 or Communications 12, Math 11 Essentials (B) or Math 11 Principles, "L" drivers' license, working knowledge of computers.

Basketball Fitness Boys/Girls 11/12

Terry Fox, Centennial

This course is designed for athletes who wish to develop sport specific fitness and skills. Students will focus on a wide variety of advanced conditioning programs such as plyometrics, interval training, running, and weight training as they relate

to basketball. Specific physical components of the course will include speed, agility, weight training and quickness. Special emphasis will be placed on developing individual skill development programs that best meet the student's needs. This course is open to grade 10, 11 and 12 student athletes and will be offered on a linear schedule from 6:45am to 7:30am.

Biology 12 AP Seminar

Centennial

This Semester 2 course deals with topics in greater detail than in Biology 11 and 12. It has an extensive laboratory component which includes DNA isolation, fingerprinting and transformation experiments. Course content includes: Molecules and Cells – basic biological chemistry, cells, energy transformations (25%); Heredity and Evolution – molecular genetics, heredity, evolution (25%); Organisms and Populations - taxonomy, survey of protista, monera and fungi, plants, animals and ecology (50%). This course will aid the student in scholarship competitions and in obtaining advanced standing or credits at some universities. Foundation courses: Biology 11, Chemistry 11 and Biology 12. Biology 12 should be taken in Semester 1.

Carpentry ACE-IT Apprenticeship (District Program)

Terry Fox

Students will take 4 courses in Semester 2 at Terry Fox then go to Kwantlen Polytechnic University from the middle of June. Foundation courses: C in Math 11 Essentials and physical ability for the job.

Chemistry 12 AP Seminar

Riverside, Centennial, Terry Fox

This course covers material equivalent to first year university chemistry. It is an excellent preview of university chemistry and will give students an advantage in post-secondary science programs.

Foundation course: Chemistry 11 with an "A" or "B." Chemistry 12 should be taken in Semester 1.

COAST 10- Coquitlam Outdoor Academic School Term- Grade 10 Gleneagle students

Gleneagle

COAST 10 is a five month Outdoor Education Program for grade 10 students. A cohort of 24 students are brought together, in their second semester of grade 10, to learn using the natural world as a classroom. The program is an inquiry based learning experience. Students are immersed in active exploration, discovery, problem solving, and self-discipline. No matter the activity, emphasis is placed on preparation, care, and respect. Our aim is to enable students to choose wisely from among their choices, initiate action, and take personal responsibility for who they become. Once a student has successfully completed their COAST semester they will have earned credits in English 10, Social Studies 10, PE 10, PE 11, Leadership 11, and Career Education 10.

COAST 11 - Coquitlam Outdoor Academic School Term- Grade 11 students (District Program)

Gleneagle

COAST 11 is a five month district Outdoor Education Program for grade 11 students. A cohort of 24 students from around the district are brought together, in their first semester of grade 11, to learn using the natural world as a classroom. The program is an inquiry based learning experience. Students are immersed in active exploration, discovery, problem solving, and self-discipline. No matter the activity, emphasis is placed on preparation, care, and respect. Our aim is to enable students to choose wisely from among their choices, initiate action, and take personal responsibility for who they become. Once a student has successfully completed their COAST semester they will have earned credits in English 11, Social Studies 11, Active Living 11, Outdoor Education 11, Leadership 11, and Environmental Science 11.

Chess 11& 12

Terry Fox

Students will develop their analytical and critical thinking skills, and grow in their knowledge of all aspects of the Chess game. Visualization and pattern recognition will be introduced and nurtured. Opening and endgame theory will be examined, as well as students' ability to analyze their own and others' games. This course is designed to act as a bridge from a novice player to an intermediate player. By the time the student completes the course, he/she will be able to compete in almost any chess tournament around the world, as well as play casually for leisure.

Computer Information Systems 12

Heritage Woods

How do computers communicate? How does a firewall work? What is the difference between a switch and a router? How do you configure a VPN? These questions and many more will be answered in this self-paced course. Students will be enrolled in the Cisco Certified Network Associate (CCNA) online program. This industry-standard certification could be your ticket

into a computer career. Labs include designing and wiring a network, configuring routers, troubleshooting hardware and software problems, and administering a network.

Computer Networking 11 and 12

Riverside

This career program connects students in Information Technology Management with a challenging career in the computer networking field. Students are linked with both business and post secondary opportunities.

Concurrent Studies (Douglas College and SFU)

Accepted students will be able to take several university level courses while still enrolled in high school. Courses begin in September and January. Students must see their school counsellor for eligibility and registration information.

Construction Electrician ACE-IT Apprenticeship (District Program)

Dr. Charles Best

Students will take 4 courses in their Grade 12 year. The program runs yearlong with 2 classes being offered in periods 1 and 2 both semesters. Students are able to return to their home school to take courses in the afternoon.

Cook Training ACE-IT Apprenticeship (District Program)

Centennial, Gleneagle, Riverside

Topics of study include kitchen layout and maintenance, equipment operation, knife skills, terminology, plate presentation, Food Safe/HACCP, sauces, soups and stocks, and the Pastry Program. Cook Training 12A focuses on elaborate food items such as pates, galantines and secondary sauces as well as the use of more specialized equipment.

Coquitlam Teen Parenting Program

CABE

This program is designed to enable pregnant and parenting teens to continue with their education in a supportive and flexible environment. Courses are offered in a variety of ways including self-paced, structured classes and other options. Students are able to enrol in courses at CABE or at a district secondary school depending upon program availability. Information and courses on children and parenting skills are an important aspect of the program. The YMCA Little Scholars Childcare infant and toddler program is available on site and allows parents to be actively involved with their child while continuing their education. *Please call: (604) 939- 4511 for additional information.*

Culinary Arts Program ACE-IT:

Gleneagle, Riverside

Here is a unique opportunity for secondary students to earn graduation credits and industry certification in “Culinary - Cook Level 1 Technical Training” - Level One Red Seal Certification credits.

Dance (Performance Dance)

Port Moody, Terry Fox, Heritage Woods

Students need to be experienced dancers who display dance abilities via an audition. *Focuses specifically on performance skills.

Dance 10-12

Heritage Woods

These courses are designed to provide students with the opportunity to express themselves through movement and to allow students to develop critical-thinking skills through the creative process of dance. Students will work with the elements of movement: body, space, time, dynamics and relationship. These elements will be combined to create dances and routines. Students will work towards increasing their degrees of refinement and complexity as they gain experience and maturity in the group. Students will be required to perform outside of class time at designated competitions or events. Students will develop leadership skills through the planning of costume design, productions and routines. Several different forms of dance will be explored: hip hop, jazz, street jazz, lyrical jazz, ballet and contemporary. Strengthening and stretching classes will occur on a regular basis.

Electronics 12: Robotics

Heritage Woods

This is a senior level course for students wishing to further their studies in the area of Electronics.

This course focuses on robots and their design. Students will work on a common project for the first part of the course. Most often, this entails building a robot for Heritage Woods’ competitive VEX Robotics team. After that, assignments may be chosen from various engineering disciplines with Robotics as the central focus. Assignments and projects will vary from year to year depending on student interest and available resources. This course will include activities that require students to contribute time outside of the regular class schedule.

EPIC Program (District)

The purpose of the EPIC program is to facilitate families and schools working in partnerships to ensure that students who are elite performers in athletics, theatre, music, dance and modeling are able to build educational programs that maximize success both in meeting Graduation Program requirements and achieving their potential in their discipline. Student who compete or perform at a provincial, national or international level, students who are recognized as being in the top 10% in their discipline in the province, or students whose participation in a discipline is required to miss scheduled schooling on a regular basis may be interested in this program. For more information, please contact your child's counselor or visit the district site outlining [EPIC](#) information

Experiential Studies 10

Centennial

This program will combine Science 10, Earth Science 11, Planning 10, Social Studies 10, and Physical Education 10. All curriculum requirements for these programs will be met. The program aims to extend and enrich a student's understanding of these five courses. The subjects will be taught in a manner that integrates traditional class work, science labs, projects, and field studies. The field experiences will vary from one to three day trips to one larger two-week trip. Field experiences may center on subjects like biology, geography, geology, history, etc. while doing activities such as kayaking, mountain biking and hiking. Students must attend Centennial for the entire year as there are activities and fundraising done in Semester 1.

Forklift, Bobcat & Scissor Lift Training

All schools- Counselor approval

Forklift is a 2 day course; Bobcat and Scissor Lift are 1 day for Industry Certification. Training is in Vancouver.

Fish & Wildlife 12 (Fisheries Ecology 12)

Centennial

Students in this program play an important role in protecting and enhancing the local environment. Major projects involve the operation of Mossom Creek Hatchery, water quality of local streams, marine studies of harbour seals and plankton, streamside vegetation identification, small vessel operation and VHF radio certification, and environmental outreach via public fairs and visits to elementary classrooms.

Foundation course: Science 10.

Football Fitness 11/12

Terry Fox

This course is designed for athletes who wish to develop sport specific fitness and skills. Students will focus on a wide variety of advanced conditioning programs such as plyometrics, interval training, running, and weight training as they relate to football. Specific physical components of the course will include speed, agility, weight training and quickness. Special emphasis will be placed on developing individual skill development programs that best meet the student's needs. This course is open to grade 10, 11 and 12 student athletes.

French DELF Exams

Terry Fox, Riverside

The *Diplôme d'études en langue française* (DELF) is an internationally recognized series of qualifications awarded to language learners to validate their skills in French. Through an examination process of their speaking, listening, reading and writing skills, students can be granted diplomas at various levels. The resulting diploma issued by the French Ministry of Education is valid for life and is recognized by many educational and business institutions worldwide. French 10, 11 and 12 students will be offered an opportunity to participate in this international French language assessment program.

French Immersion

Riverside, Dr. Charles Best

The French Immersion program has several goals that enable students to achieve, reach and become functionally bilingual.

Global Perspectives 12

Pinetree, Dr. Charles Best (French)

An exciting program designed to provide students with the opportunity to travel to, and participate in, a hands-on-project in a developing country, as well as develop awareness of global issues and career options in various related fields. This year long program is integrated with Career Preparation Work Experience. Students will be encouraged to develop a vision for their futures, including personal goals, career directions and educational opportunities. The targeted audience is current Grade 10 & 11 students.

Hairdressing Program ACE-IT

Gleneagle

This is a 10 month in-school training program for secondary school students to earn graduation credits and industry certification in hairdressing. Students earn 24 graduation credits through Secondary School Apprenticeship if hired as an apprentice. Students establish themselves in a career that allows them opportunities to explore other options related to the hairdressing industry.

Foundation courses: Completion of Grade 11 core courses.

High Performance Sport Conditioning 10, 11& 12 Open to Grades 9, 10, 11, 12

Riverside

This new and exciting program is a great opportunity for students who consider themselves to be competitive athletes/physical performers with a high level of commitment to physical fitness. Good candidates are likely involved with physical activity in a structured environment in the community – this includes organized sports, body building, gymnastics, fine arts such as dance, and individual personal training. The curriculum in this course is being provided by specially certified trainers of Twist Conditioning; a privately owned sport conditioning company. The company currently trains high performing young athletes in hockey, soccer, tennis, gymnastics, field hockey, lacrosse, dance, volleyball, football, basketball, golf and ice skating.

Hockey Academy

Centennial, Riverside, Terry Fox

This course provides the opportunity for male and female hockey players to supplement their minor hockey experience and improve their hockey skills. Course content includes the development of technical skills (power skating included), individual tactics, team tactics, team play/systems, strategy, off-ice training specific to hockey and health and wellness. Students will be required to have previous skating experience and preferably some hockey skills.

Hollywood 9

Heritage Woods

Split into two parts, this course teaches the basics of both acting and filmmaking. The acting term covers physical specificity, line delivery, character development, auditioning skills, and script analysis for stage and screen.

The filmmaking term provides grounding in directing, lighting, sound recording, and editing, as well as an introduction to animation. Enriched by guest speakers currently working in the industry, this course culminates in an opening night gala screening of the final student film projects.

Emily Carr Headstart to Art

Gleneagle

Emily Carr offers high school students the opportunity to complete 3 university credits plus a portfolio review. Students must be recommended by their high school art teacher.

Independent Directed Studies (IDS)

All Secondary Schools

IDS courses are intended for students who wish to extend their learning in a particular curricular area of expertise, interest or passion. IDS courses enable students to initiate their own area of learning and to receive credit towards graduation. IDS courses can be academic or in any other area of interest to the senior student.

JumpstArt

Gleneagle

- an integrated, enriched Art/Humanities program offered for grade 9 students. The JumpstArt program is an excellent option for students who are passionate about art and who may plan to specialize in their senior years.

Music Composition & Technology

Centennial

Using both traditional methods and contemporary audio/digital equipment, students will have opportunities to design, create and record music. In addition, students will learn guitar fundamentals or build on their guitar skills. Students will learn open chords, barre chords, and how to read guitar tablature and chord boxes. Students will learn about song form and how to compose with a guitar.

Musical Theatre 11/12

Gleneagle, Pinetree, Port Moody, Riverside, Centennial, Heritage Woods (9)

Students will learn the basics of singing, acting and movement techniques as they relate to music theatre. The students take a leadership role in directing and producing a musical theatre performance.

Physics 12 AP

Pinetree (Seminar), Riverside, Centennial

AP Physics is designed to foster physics knowledge, problem solving ability and physics connections to other disciplines and societal issues. AP topics include; kinematics and dynamics with calculus, simple harmonic motion, angular mechanics, direct current circuits, alternating current circuits and optics.

Psychology 12 AP Seminar

Centennial, Dr. Charles Best, COL, Gleneagle, Terry Fox

AP Psychology is designed to introduce students to the scientific study of human behaviour and mental processes. Students will be exposed to the psychological facts, principles, and phenomena associated with the topics of neuroscience, behaviour, sensation and perception, consciousness, learning, cognition, emotion, development, personality, disorders, and treatment. Clearly this course is a university-level Psychology preparation. Successful completion of a College Board examination will result in a placement/credit of a typical introductory university/college course in psychology.

Recording Arts and Science 9 - 12

Terry Fox (gr.9 -12), Port Moody (gr 10-12)

This course is designed to explore all aspects of audio production. As technology grows, there is ever increasing new fields of 'multimedia' sound production and post-production. This course works for those interested in Music Technology and Recording, Broadcasting, TV & Film, Animation, Theatre and other audio productions. Topics covered in this course will include: basic and advanced mixing techniques for audio CD, theatre and live performance; mixing for Movies and video games, including 5.1 surround sound; recording various soloists and ensembles including rock bands and contemporary music videos; advanced microphone techniques and knowledge of sound manipulation technology such as reverb, flangers, gates, compressors, mixing boards, etc. Voice-overs, synchronization and 'Foley' Artistry will be covered as well as arranging and mixing existing music for multimedia and writing original music using the latest technology.

Rock School 10/11/12

Port Moody, Terry Fox

- An innovative course providing instruction on how to play in a modern pop/rock/rap/etc. group. This is for guitar players, bass guitar players, keyboard players, horn players and vocalists who already know how to play or sing but need help in putting it all together. It covers how to market yourself in the real world of music, i.e. promotion, making contracts, understanding contracts, royalties, dealing with agents and how to get a "gig".

Science CO-OP 11 – Digital

Riverside

This exciting career program will offer Grade 11 students the opportunity to enroll in Chemistry 11, Physics 11, Math 11 Pre-Calculus and Work Experience 12 in the first semester of their grade 11 year (see individual course descriptions for more detail). Students will be grouped together as a "cohort" for these classes. The selected courses provide a foundation for further science studies and entrance into a university science program. Technology will be used to assist in this exploration. Enrollment is limited based on available space and technology. Teaching times will be adjusted so that all students in the program can go on their Work Experience after Christmas break (100 hours) and not miss classes. Work

Science Career CO-OP

Terry Fox, Heritage Woods

This program is for students interested in exploring science-related careers and doing some enrichment/application activities to extend science concepts learned in the regular curriculum. There will be many opportunities for hands on experience through field trips and work experience. In grade 11, students take their science and work experience courses together as a group in Semester II, so that when they do their 3-week work experience they do not miss regular class time. Independent Study in Chemistry and Physics 12 with enrichment topics extended or not usually covered in high school may be included. The grade 12 year is scheduled with the normal flexibility. There is a screened process for the program.

At Terry Fox Science Career CO-OP 11 includes Biology 11, Physics 11, Work Experience 12, & Independent Studies 12

Sport Science 11

Terry Fox

This course is designed to expose students to aspects of Biology, Biochemistry and Physics as concerned with sports and the human body. The topics that will be explored will prepare students for post-secondary work in the faculties of Kinesiology (SFU) and Human Kinetics (UBC). Those topics include human anatomy and physiology, biomechanics and other principles of physics, analysis of team and individual sports, principles of training, nutrition, and sports injury management. This course does not provide a Science 11 credit but does count as an elective towards graduation.

Steel Fabrication ACE-IT Apprenticeship

See Counsellor at any secondary school

Students who complete this program will be employment ready. There will be 2 intakes at BCIT starting in mid-August or February. Foundation courses: Completion of Grade 11, Math 10 Principles or BCIT math pretest

String Orchestra 9-12

Port Moody, Heritage Woods

- A credit course in orchestral instruction and performance for violin, viola, cello or double bass players. This course will explore the 'classic repertoire' and will have numerous performance opportunities. Offered in the evening so it will not take away valuable scheduling times during regular school hours, members of our community are invited to join as well.

T.A.L.O.N.S. - The Academy of Learning for Outstanding Notable Students

Gleneagle

The only program of its kind in the Coquitlam School District, specifically designed for *gifted learners* in grades 9 & 10 focusing on the Autonomous Learner Model. It addresses the unique needs of gifted learners by integrating English, Social Studies, Math, Science, Physical Education, Planning and Leadership, allowing learners to form connections only possible in an interdisciplinary program. Application to this program is only available for district identified gifted learners **currently** in grade 8 and application package will be sent to eligible students in middle schools in December.

TECCI (Terry fox Enhanced Cluster Class for Inquiry)

This grade 9 cluster class will be an interdisciplinary program of Math 9, Science 9, Social Studies and English 9. We will be offering the program all year round alternating days between Math/Science and English/Social Studies in D and E blocks (after lunch). This will allow flexibility for electives in blocks A-C as well as flexibility in our afternoon timetable for the 4 subject areas. Our program will incorporate themes which will be taught throughout these 4 subject areas also allowing for the ability to be involved in field trips, science fairs, spoken word and speech competitions to integrate our themes. Inquiry based learning will be the main method of teaching for students who are looking for an enhanced, interdisciplinary program. Students who are interested and apply for the program will be selected by teachers in an interview process.

Technology Design & Invention 11 (Industrial Design)

Pinetree, Riverside, Terry Fox, Heritage Woods

As an exciting and comprehensive program, this course involves both computer activities and project development, and relies on previously acquired design and problem solving skills. Learn to design and create wonderful devices like video games, radio-controlled machines, multi-media, battle-bots, light organs, submersibles, skyscrapers, etc. Learn more about the wonderful world of technology. This course demands a high level of interest, self-motivation and teamwork.

Trades Discovery 11

Terry Fox, Dr. Charles Best

The intent of this course is for students to explore the skills and knowledge of Carpentry, Electrical, and Plumbing plus one other trade area. This will help students choose one of the ACE-IT programs in the future or help them transition to one of the Trade Programs offered at Post Secondary once they have graduated. This course can be taken in grade 11 or 12.

Vocal Technique 11/12 (BAA)

Heritage Woods, Port Moody

This singing course is designed for students who want to learn how to sing solo with proper vocal technique and style. This course is not a choir class and is for the serious singer or the novice. Vocal Technique will include individual, along with group instruction in the areas of vocal technique, sight-singing, theory and working with an accompanist(s). Opportunities to perform will be provided. All styles of vocal music will be covered.

YELL – Young Entrepreneurship Leadership Launchpad 11/12 (application required)

Coquitlam Open Learning

District Career Programs

Career Programs are designed to help students explore careers while still in secondary school to move seamlessly into post-secondary institutions or work. SD43 offers a variety programs to target students specific needs and situations. Click on [Programs](#) for a full description of all our programs including brochures and registration documents. We also have a [quick overview](#) of our major programs.