

# PINETREE SECONDARY

## 2025 - 2026

### Grade 10 - 12 Course Calendar

#### School Mission Statement

*Working with our community, we are dedicated to preparing our students for success in a rapidly changing world by providing a supportive learning environment which recognizes and respects individual differences, encourages students to challenge personal limits, and promotes excellence.*



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# Welcome

The 2025 – 2026 Course Calendar Selection guide is a resource to assist students and parents/guardians in navigating the graduation requirements. By using this guide, students and parents/guardians can make informed choices around student interests, educational and career goals and how they relate to a plan for graduation. We are extremely happy to offer a wide range of programs of study at Pinetree Secondary School.

The choices you make using the information in this guide will help to shape your future. As you and your parents/guardians chart a path through your high school years towards career and post-secondary goals, the choices you make in grade 10 will have an impact on your options and choices in grades 11 and 12. Please take the time to make informed choices. Listen to the input from your counsellor and your parents/guardians and enjoy the wide range of options that we offer at Pinetree Secondary. Please read through this guide carefully as the Ministry of Education has been revising the grade 10-12 curriculum and graduation requirements. Post-Secondary entrance requirements have also changed. Students and parents/guardians need to read this guide and carefully complete the course selection sheet – see downloadable, fillable sheets found here.

## **Disclaimer**

The information in this guide has been prepared to give students and their parents/guardians an introduction to the courses offered here at Pinetree and the district programs available. The course descriptions provided are general in nature and do not represent the total content of each course. The descriptions are designed to guide both students and parents/guardians to the most suitable choices for a complete high school graduation. We make every effort to keep the material in our guide as current as possible but some changes in course offerings and Ministry of Education requirements do occur. Students need to check with their counsellors when questions arise. Students should make certain that their short term and long-term plans are discussed with their counsellor and with their parents/guardians, so they are able to make appropriate decisions regarding their course selections. Both staffing and the school's timetable are based on the course selections of students. Students and parents/guardians need to understand that choices around course selection are considered a 10-month commitment. Students and parents also need to understand that once a course has started, it is very difficult for a student to drop it - dropping a course because of a lower-than-expected mark will not occur. While we always work to help students with course requests, there are limits and often changes at the start of the year cannot be accommodated. Pinetree Secondary has a process for students to verify their course selection choices and then to ask for changes in June. Once the 2025-2026 school year starts in September, there is very little ability to make course changes.

Pinetree Secondary Administration

2018 Graduation Program: Eighty (80) credits in Grade 10 – 12 are required for graduation.

Required Courses - 52 credits (4 credits each)

Career Life Connections 12  
Career Life Education 10  
English Language Arts 10  
English Language Arts 11  
English Language Arts 12

Fine Arts or Applied Skills 10, 11 or 12  
Mathematics 10  
Mathematics 11 or 12  
Physical Education 10  
Science 10

Science 11 or 12  
Social Studies 10  
Social Studies 11 or 12

# Graduation Program

Of the 80 credits required to graduate, at least 4 credits must have an Indigenous focus. Pinetree offers five courses with an indigenous focus:

English First Peoples and Writing 11  
English First Peoples and New Media 11  
English First Peoples and Writing 11 Honours

English First Peoples 12  
Social Studies - BC First Peoples 12

Elective Courses – 28 credits

In addition to the required courses, students select an additional seven elective courses, totaling 28 credits. A minimum of 16 credits must be at the grade 12 level, including English Languages Arts 12.

\* In addition, students must also complete three graduation assessments: Gr. 10 Numeracy; Gr. 10 Literacy; Gr. 12 Literacy.

## ATTENDANCE

Regular attendance and being on time for class are requirements for every course. Parents/guardians of students who are absent, will be late, have an early dismissal, etc., for any circumstance, are asked to notify the school as early as possible via email [pinetreeattendance@sd43.bc.ca](mailto:pinetreeattendance@sd43.bc.ca), or phone 604-464-2513.

## SCHOOL ORGANIZATION

Pinetree Secondary enrolls students in grades 9 – 12. Most courses are semestered. More detailed information about our school organization and school opening procedures will be sent home prior to the start of school.

## STUDENT TIMETABLES

Student timetables are tumbled and built through a computer program. Students should select courses based on content and interest because changing courses for 2025-2026 will be extremely difficult.

## SCHOOL YEAR

The school year runs from September to June. Our school year is divided into two semesters – semester one (September to January) and semester two (February to June).

## SCHOOL DAY

At Pinetree Secondary School most courses take place between 7:50 a.m. and 3:20 p.m. Some classes do occur outside this schedule, either before or after the regular day. There is a common lunch for all students to provide an opportunity to relax, socialize, and eat lunch. Every Wednesday we have an altered bell schedule to accommodate a block of Enrichment and Support Seminar (ESS) for all students. ESS occurs right after block two, and it is expected that students go to one of their classes to receive assistance from their teacher, catch up on missed work, or prepare for upcoming tests.

# School Information

## ACHIEVEMENT

A	86% - 100%	Excellent 4.0
B	73 % - 85%	Very Good 3.0
C+	67% - 72%	Good 2.5
C	60% - 66%	Satisfactory 2.0
C-	50% - 59%	Minimally Acceptable 1.0
IE/F	less than 50%	Insufficient Evidence/Fail 0.0

## REPORTING

At Pinetree Secondary, reporting is done three times per semester. The first informal report card generally identifies trends in students' progress and should be regarded as an important part of our reporting process. The second and third reports will include letter grades, comments, and attendance.

## FINANCIAL OPPORTUNITIES SCHOLARSHIPS

Any Grade 12 students interested in exploring financial opportunities (scholarships, grants, bursaries, etc.) are invited to attend the informational sessions regarding applications for awards and financial aid for post-secondary education. Please visit Ms. Moorhouse's webpage [here](#), drop by the Career Centre, or see your counsellor for more information.

Note: A great deal of money goes unclaimed each year because students do not apply!

## PACK GROUPS

Pinetree Advisory Connecting Kids  
PACK is the student's homeroom class. Students gather in these groups to receive information from the school, as well as grade presentations. In grade 9, the PACK is linked with their Digital Literacy class, and in grade 12, to their CLC course.

# COUNSELLING



Students are assigned to counsellors alphabetically by last name:

Ms. Starr	sstarr@sd43.bc.ca	A – I
Mr. Nelson	kenelson@sd43.bc.ca	J – O
Ms. Dhillon	mdhillon@sd43.bc.ca	P – Z
Mr. Sharma	vsharma@sd43.bc.ca	International Student Coordinator

Students wishing to see a counsellor should visit the counselling office or email their counsellor to make an appointment. If parents have questions concerning the program, progress, or attendance of their child, they can contact the counsellor, preferably via email.

## Post Secondary Career Advisor

Ms. Moorhouse – cmoorhouse@sd43.bc.ca

## Youth Workers

Ms. Walraven – Youth Worker, awaraven@sd43.bc.ca

Mr. Conedera – Immigrant Youth Worker, jconedera@sd43.bc.ca

Ms. Jeoung – Int'l Korean Youth Worker, (Tues.) ajeoung@sd43.bc.ca

Ms. Xie – International Chinese Youth Worker, (Mon. & Wed.) yxie@sd43.bc.ca

## COUNSELLING SERVICES

The counsellor's role can be divided into four major areas: counselling (personal and academic), consultation and/or referral to outside support agencies, coordination with feeder schools and school community, and education. Our goal is to provide a balanced counselling service that encompasses all four areas.

Students are assigned to counsellors alphabetically based on their last name; however, they are free to see any counsellor, should they so desire, for personal reasons. Parents who would like information regarding their sons' or daughters' progress or attendance are encouraged to contact their counsellor at Pinetree.

Services offered by the Counselling Department:

- Assistance with program and course selection
- Support to solve academic difficulties and problems, and assistance with improving study skills
- Guidance with intellectual skills such as understanding personal learning styles; and organizational, academic, and learning support strategies
- Provision of information about the school, its functioning, and orientation
- Provision of information on post-secondary training and registration (universities, regional colleges, vocational schools, technology institutes, apprenticeship programs, etc.), transition to such training, and career planning
- Support with relationships, family life, substance abuse, child/sexual abuse, mental well-being, and healthy living
- Support of personal problems and assistance in making informed decisions
- Support in crisis situations and referral to community agencies (mental health, counselling, public health, Ministry of Children and Families, etc.)

Students wishing to see a counsellor should visit the counselling office or email their counsellor to make an appointment. If parents have any questions concerning the program, progress, or attendance of a student, they should contact the counsellor. It is best to contact via email.





# ABOUT PINETREE

## LIBRARY

The Library Learning Commons (LLC) is a bright, open, and comfortable space filled with students most of the day. The LLC focuses on supporting students and staff with school curriculum and encouraging literacy. A teacher-librarian works with teachers to design assignments which challenge students to develop their critical thinking and literacy skills. Students visit the LLC with a class or as individuals to complete homework, work on group projects, access our increasing technology resources, or to get one-on-one help from the library staff.

A major goal of the LLC is to promote recreational reading. Novels are specially selected for all students, from those just beginning to read to those who are mature readers. Our reading selection is then categorized according to genre for simpler browsing.

Hours:	The library is open blocks two to five, at lunch, and after school
Staff:	One full-time and several part-time teacher-librarians, and one library assistant
Resources:	Books, both fiction and non-fiction, online databases, technology
Seating:	50
Computers:	Online catalogue; two search stations, and day-loan laptops

## ADVANCED PLACEMENT PROGRAM

The pursuit of excellence is the foremost goal of Pinetree Secondary. The Advanced Placement program (AP) offers academic challenge in various course areas to senior students. It can provide advanced credit or standing in certain first year university courses in selected universities in North America. Advanced Placement is a low-cost method to let students experience the rigor and challenge of first-year university courses.

Students in Advanced Placement write the AP examination in May of their year. The results of the examination are used to determine Advanced Placement status at university and college. The categories for grading are:

- extremely well qualified
- qualified
- no recommendation
- well qualified
- possibly qualified

Students may choose to write any of the following:

- AP Biology, AP Chemistry, AP Physics
- No other AP exams are offered at Pinetree Secondary

## COURSE EQUIVALENCY

Course equivalency is the process of receiving credit based on documentation indicating that the student has achieved the learning outcomes for an approved grade 10, 11 or 12 course at an institution outside of BC.

Conditions:

- Student must provide documentation of successful completion of course
- Course must match a minimum of 80% of the prescribed learning outcomes
- Course must be taken outside the regular BC school system
- Course satisfies different learning outcomes other than those for which the student has already received credit

Note: Students who have been educated in one of six languages other than English (French, German, Japanese, Punjabi, Spanish, or Mandarin) and who have successfully completed one or more years of junior secondary education outside of Canada, usually have met or exceeded the learning outcomes of a second language course in BC.

## EXTERNAL COURSES

The Ministry will accept external courses (an organized set of learning activities developed or offered outside the British Columbia School System) as a Ministry authorized course. For more detailed information, students should contact their Pinetree counsellor. Some courses that may be of an equivalent standard to other Ministry authorized secondary courses include:

- Music: BC Conservatory of Music, Conservatory Canada, Royal Conservatory
- Music: Victoria Conservatory Music, Trinity College-London
- Dance: Jazz, Cecchetti, Tap, Modern Theatre Dance, Royal Academy of Dancing
- Post-Secondary: Various college and university courses
- Languages: challenge, equivalency, and external language credit
- Sports: athlete, coach, official
- Youth Development: Cadets, 4-H, Guides, Scouts
- Industrial and Occupational: Tourism, Wood Products, Lifesaving, Red Cross Water Safety Instructor, First Aid, Computer Certification, Canadian Private Pilot's License

## ATHLETICS

Students at Pinetree have an opportunity to achieve a high level of excellence in sport. Athletics is a combination of competitive and non-competitive sports including intramurals. Pinetree students compete at a high level, with numerous teams making the Fraser North and BC Provincial Championships every year. Our goal is to provide sport programs that promote cooperation, responsibility, commitment, leadership, and sportsmanship. Actual offerings are based on coaching availability, cost and school philosophy and are determined once staffing is in place. Activities may include:

Aquatics  
Badminton  
Basketball  
Cheerleading  
Cross-Country

Mountain Biking  
Ski & Snowboard  
Soccer  
Tennis

Track & Field  
Ultimate  
Volleyball  
Wrestling

## CLUBS

The broad spectrum of clubs at Pinetree is based on student interest and staff sponsorship. Students are encouraged to become involved in their school and participation in activities outside the classroom make students' school experience more enjoyable and rewarding. Clubs that may run:

Animation  
Arts & Crafts  
ASL (American Sign Language)  
Board Games  
Book  
Business  
Chess  
Coding  
Crochet  
Culinary

Culture (various)  
Dance  
Debate  
Environmental  
Film  
Fitness  
Games & Esports  
Global Group  
Homework  
Key Club

Math  
Music  
Pinetree Post/Podcast  
Queer/Straight Alliance  
SPCA  
STEM  
UNICEF  
Wish Youth Network Society

## INTRAMURALS

Intramural sports operate every lunch hour. Students sign up for fun, focused team events or simply drop by for open gym activities and social connections. Games may include:

3-on-3 Basketball  
Badminton  
Dodgeball  
Floor Hockey

Handball  
Indoor Soccer  
Open Gym Activities  
Floor Hockey

Pickleball  
Table Tennis  
Volleyball

# COURSES



## ART

Art Studio 11 (Art Foundations 11) (FA)  
 Art Studio 12 (Art Foundations 12) (FA)  
 Film & Television 11 (FA)  
 Film & Television 12 (FA)  
 Film (IDS) (FA)  
 Graphic Arts 11 (FA)  
 Graphic Arts 12 (FA)  
 Independent Directed Studies (IDS) (FA)  
 Photography 11 (FA)  
 Photography 12 (FA)  
 Studio Arts 2D 11 (Drawing/Painting 11) (FA)  
 Studio Arts 2D 12 (Drawing & Painting 12) (FA)

## BUSINESS EDUCATION

Accounting 11 (AS)  
 Accounting 12 (AS)  
 Business Communications 11 (BAA)  
 E-Commerce 12 (AS)  
 Economics 12 (AS)  
 Entrepreneurship 12 (AS)  
 Marketing and Promotion 11 (AS)

## CAREER PROGRAMS

Pathways to Graduation:  
 • Capstone  
 • Career Life Connections 12 (CLC)  
 • Career Life Education 10 (CLE)

## DRAMA

Dance Technique and Performance 11/12 (FA)  
 Directing & Script Development 11/12 (FA)  
 Drama 11 (FA)  
 Drama 12 (FA)  
 Drama: Musical Theatre 11/12 (FA)  
 Theatre Production 11/12 (FA)

## ENGLISH

Grade 10  
 Composition 10  
 Creative Writing 10  
 New Media 10  
 Focused Literary Studies & Composition 10  
 Honours  
Grade 11  
 English First Peoples and New Media 11  
 English First Peoples and Writing 11  
 English First Peoples and Writing 11 Honours  
Grade 12  
 Literary Studies 12 (elective course offering)  
 English First Peoples 12  
 English Studies 12  
 English Studies 12 Honours

## EAL (English as an Additional Language)

EAL Beginner, Lvl 1  
 EAL Drama 10: Oral Communication, Lvl 1-2/2+  
 English Language Development 10, Lvl 2/2+  
 Academic Strategies for Language Learners 10, Lvl 3  
 Introduction to Academic Language 10, Lvl 3.5  
 English Language Development 11, Lvl 3+/4

## HOME ECONOMICS

Child Development and Caregiving 12 (AS)  
 Food Studies 11 (AS)  
 Food Studies 12 (AS)  
 Interpersonal and Family Relationships 11 (AS)  
 Textiles 11 (AS)  
 Textiles 12 (AS)

## INFORMATION TECHNOLOGY

Computer Information Systems 12 (AS)  
 (Cisco Networking Academy)  
 Computer Programming 11 (AS)  
 Computer Programming 12 (AS)  
 Graphic Production 11 (AS)  
 Graphic Production 12 (AS)  
 Graphic Production (IDS)  
 Media Design 11 (AS)  
 Media Design 12 (AS)

## LEADERSHIP & PEER TUTORING

PE Leadership-Peer Tutoring 11 (BAA)  
 Peer Tutoring 11 (BAA)  
 Peer Tutoring 12 (BAA)  
 Athletic Leadership 11/12 (BAA)  
 Leadership 11/12 (BAA)  
 Leadership SEL 11/12 (BAA)

## MATHEMATICS

Foundations of Mathematics (FoM) &  
 Pre-Calculus 10  
 FoM & Pre-Calculus 10 Honours/  
 Pre-Calculus 11 Honours  
 Foundations of Mathematics 11 (Bridge)  
 Pre-Calculus Mathematics 11  
 Workplace Mathematics 10  
 Workplace Mathematics 11  
 Pre-Calculus Mathematics 12  
 Calculus 12  
 Pre-Calculus 12 Honours  
 Calculus 12 Honours  
 IDS: Mathematics

## MODERN LANGUAGES

French 10  
 French 11  
 French 12  
 Japanese 10  
 Japanese 11 Intro  
 Japanese 11  
 Japanese 12  
 Mandarin 10  
 Mandarin 11  
 Spanish 10  
 Spanish 11 Intro  
 Spanish 11  
 Spanish 12

## MUSIC

Choral Music 10, 11, 12 (Concert Choir)  
 Choral Music 10, 11, 12 (Vocal Jazz)  
 IDS: Music  
 Instrumental Music 10, 11, 12 (Concert Band)  
 Instrumental Music 10, 11, 12 (Jazz Band)  
 Instrumental Music 11 (Guitar)  
 Instrumental Music 12 (Guitar)  
 Musical Theatre 10, 11, 12 (Orchestra)  
 Music Composition & Production 11  
 (Electronic) – Introductory (FA)  
 Music Composition & Production 12  
 (Electronic) – Advanced (FA)  
 Contemporary Music 10 – 12  
 String Orchestra 10, 11, 12

## PHYSICAL EDUCATION

Active Living 11 (formerly PE 11)  
 Active Living 12 (formerly PE 12)  
 Basketball Fitness 11/12  
 Fitness 11  
 Fitness 12

Fitness 11 (for Women)  
 Fitness 12 (for Women)  
 Lifeguarding Fitness 12  
 Physical & Health Education 10  
 Volleyball Fitness 11/12

## SCIENCE

Anatomy & Physiology 12  
 (formerly Biology 12)  
 Anatomy & Physiology 12 Honours/AP  
 (formerly Biology 12 H/AP)  
 Chemistry 11  
 Chemistry 11 Honours  
 Chemistry 12  
 Chemistry 12 Honours/AP  
 Earth Science 11  
 Independent Directed Studies: Science  
 Life Sciences 11 (formerly Biology 11)  
 Life Sciences 11 Honours/AP  
 (formerly Biology 11 H/AP)  
 Physics 11  
 Physics 11 Honours  
 Physics 12  
 Physics 12 AP  
 Science 10  
 Science 10 Honours  
 Science for Citizens 11  
 (formerly Science and Technology 11)

## SOCIAL STUDIES

20th Century History 12  
 BC First Peoples 12  
 Comparative Cultures 12  
 Law Studies 12  
 Philosophy 12  
 Physical Geography 12  
 Psychology 12 (BAA)  
 Social Justice 12  
 Social Studies 10  
 Social Studies 10 Honours

## TECHNOLOGY EDUCATION

Automotive Technology  
 Automotive Technology 11 (AS)  
 Automotive Technology 12 (AS)  
 Automotive Technology 12: Engine & Drive  
 (AS)  
 Vehicle Ownership & Maintenance 11  
Carpentry & Joinery  
 Woodwork 11 (AS)  
 Woodwork 12 (AS)  
 Furniture and Cabinetry 12 (AS)  
Drafting & Design  
 Drafting & Design 11 (AS)  
 Drafting & Design 12 (AS)  
 Drafting 12 Advanced Design (IDS)(AS)  
Other  
 Art Metal & Jewelry 12 (AS)  
 Engineering 12 (AS)  
 Power Technology and Engineering 11 (AS)  
 Engineering 12 (AS)

## COL & CE

Coquitlam Open Learning & Continuing  
 Education

## WORK EXPERIENCE OPPORTUNITIES

Work Experience 12  
 Youth Work in Trades Program  
 Youth Train in Trades Program

(H) – Honours (BAA) – Board Authority Authorized Course (FA) – Fine Arts Credit  
 (AS) – Applied Skill Credit (IDS) – Independent Directed Studies (permission of teacher required to enroll)

# LEARNING SERVICES



*\*Students in this program will be referred through an articulation process with middle school Learning Services Teacher and/or School Counsellor.*

Learning Services Teachers work collaboratively with students and their families to develop Competency Based Individual Education Plans (CB IEPs) for students with diagnosed learning challenges. They are part of the student's support network and help to determine the best course of action for accessing adjusted curriculum using universal supports.

Additionally, Learning Services Teachers help facilitate the transition of students to post-secondary and work with counselors on their secondary educational programs and goals. Moreover, Learning Services Teachers and subject area specialists provide in-class support and teach the locally developed Applications of Learning and Self Efficacy courses to reach as many students as possible. The Learning Centre is also available for students who are not scheduled in targeted classes but require an alternate setting for assessments (at least one learning support teacher will be available each block).

Lastly, Learning Service Teachers help to encourage students with developing self-advocacy skills; this is an important goal for all students. Students are strongly encouraged to attend tutorials offered by their classroom teachers when further clarification and assistance is needed. In addition to in-class support and class tutorials, students can also seek assistance at the Learning Centre during the Enrichment & Support Seminar (ESS) block or after school during Homework Club. One-on-one instruction during drop-in times is not guaranteed as the number of students seeking support can at times exceed teaching staff available.

## APPLICATIONS OF LEARNING 10

Applications of Learning is for students who will benefit from explicit support to promote their development as autonomous, self-regulated learners. This course gives students the opportunity to develop self-awareness of their own learner profiles and be proactive in their learning process. It also supports student success in core academic areas and assists in organization, time management, and social emotional well-being. The focus on independence, advocacy skills, and personal goal setting, combined with addressing study skills and organizational techniques related to literacy and numeracy, will provide a foundation for successful school completion and lifelong learning. Moreover, students will have the opportunity to apply the strategies that they are being taught, evaluate the effectiveness of the learning strategy, and then, through a reflective process, incorporate the strategy into their personal "tool kit".

## PERSONALIZED LEARNING 10-12

Students registered in Personalized Learning do not receive course credits and are working towards individual literacy and numeracy goals which cannot be accessed through the regular curriculum. In addition to these personalized goals, this course helps to support students who will benefit from explicit instruction about social skills, emotional literacy, and communication. The course encourages daily life skills such as using public transportation, grocery shopping, meal preparations, cooking, laundry, and cleaning, among other hygienic skills. Additionally, Personalized Learning encourages students to get connected to district supports like Work Experience programs and connections with our Transitions Coordinator. These opportunities allow students to feel successful at school, while simultaneously preparing them for adulthood. Students work to develop skills that promote independence, personal growth, and reflection in Personalized Learning.

## SELF EFFICACY 10

This course is designed to expose students to ways they can develop and enhance their self efficacy. Helping students explore their power to affect situations will influence their ability to face challenges competently and the choices they make. Big ideas and learning standards for the course are grouped under social emotional learning themes, focusing on developing self- and social awareness, self-regulation, and interpersonal skills. By exposing students to diverse situations and interactions, students will begin to acquire and apply the knowledge, skills, and attitudes needed to develop healthy identities, manage emotions, and achieve personal and collective goals. Students will continually reflect on their progress and personal goals and begin to consider how they can generate new possibilities by creating a portfolio of strategies and reflections as they progress through the course.



## SELF EFFICACY 11

This course is designed as a follow up to Self Efficacy 10; it continues to expose students to ways they can develop and enhance their self-efficacy. Helping students explore their power to affect situations will influence their ability to face challenges competently and the choices they make. Big ideas and learning standards for the course are grouped under social emotional learning themes, focusing on developing self- and social awareness, self-regulation, and interpersonal skills. In addition to reviewing topics like healthy identities, managing emotions and achieving personal and collective goals, Self Efficacy 11 will concentrate on empowering students to feel and show empathy for others, establish and maintain supportive relationships, and make responsible and caring decisions. Similar to Self Efficacy 10, students will continually reflect on their progress and personal goals and begin to consider how they can generate new possibilities by creating a portfolio of strategies and reflections as they progress through the course.

## ART



*The Visual Arts Program at Pinetree Secondary is designed to provide students with opportunities to explore a variety of creative techniques and processes. Each of the courses outlined below covers a broad range of educational goals while introducing students to potential post-secondary and employment options in the visual arts.*

## ART STUDIO 11 (Art Foundations 11)

This course is for two kinds of students: those who are working to build their foundational skills AND those who want to advance their exploration of two and three-dimensional art. Art 11 Foundations is a fun and interesting class where you can explore the creative potential in artistic expression. Mediums may include: drawing, painting, collage and mixed media, printmaking, papier-mâché construction, ceramics, and a variety of others. For those who have taken art previously, this course will provide an opportunity to continue with the development of their creative and technical skills. Visual Arts 9 is strongly recommended. Open to grades 10, 11, 12. (FA)

## ART STUDIO 12 (Art Foundations 12)

This course provides students with the opportunity to continue exploring the potential of two and three-dimensional art. Media may include: drawing, painting, collage and mixed media, printmaking, papier-mâché construction, ceramics, and a variety of others. In addition to projects that build on previous art experience, students will also have the opportunity to identify and pursue individualized paths of artistic exploration. Art Studio 11 is required, unless with permission. Open to grades 11, 12. (FA)

## FILM & TELEVISION 11

This course is an introduction to broadcast television, film, and digital editing. Learn the proper use of equipment such as microphones, cameras, teleprompters, computers, lighting, and an introduction to digital editing. Students will also learn to storyboard, follow broadcast procedures, compose the image in a frame, as well as learn a brief history of film. (FA)

## FILM & TELEVISION 12

*Pre-requisite: Film & Television 11 or permission from instructor*

This course involves a deeper look at filmmaking and storytelling. Choose to be a producer for broadcast Pinetree TV. Learn all production phases of digital filmmaking, editing software, Photoshop, and advanced techniques such as green/blue – screening, and motion graphics. Students will learn how to write and format a movie script, storyboard, advanced camera techniques and composition, and advanced editing techniques. (FA)

## FILM (IDS)

*Pre-requisite: Film & Television 12*

Students will be given the opportunity to pursue individual aspects of film and will be able to create projects of their own choosing, as well as produce work for a portfolio. (FA)

## GRAPHIC ARTS 11

Graphic Arts 11 is a fun, hands-on course that introduces students to the world of graphic design. During the semester, students will explore various topics including digital and traditional graphic design. Students will begin with an introduction to Adobe Illustrator (vector graphics), Adobe Photoshop (image manipulation and editing), Adobe InDesign (project layout), Adobe Animate and printmaking. Students will be given access to Adobe software throughout the semester and can download versions on their own device. The remainder of the course will focus on using and developing the skills learned to solve real world design problems that simulate what a Graphic Designer may experience. Information will be provided on possible career options in the areas of graphic and media arts, along with portfolio support for entry into further education institutes. No prior experience necessary. Students can further expand their abilities after completion of this course with Graphic Arts 12. (FA)

## GRAPHIC ARTS 12

*Pre-requisite: Graphic Arts 11 or previews graphics or computer experience (subject to review)*

Graphic Arts 12 is an intermediate to advanced level course, for those with basic experience in Graphic Design, who wish to further pursue these interests. Students will cover a diverse range of topics, build on skills covered in Graphic Arts 11, and will be provided with the opportunity to pursue individual aspects of commercial design. Projects will focus on advanced layering, colouring, and methods for professional level output. There will be room for students to focus on their own self-directed projects and create projects suitable for a portfolio. Students completing Graphic Arts 12 will exit with a professional level portfolio. (FA)

## INDEPENDENT DIRECTED STUDIES (IDS)

Independent Studies (IDS) is intended for students who wish to gain further experience within a specific area of the Visual Arts. Students who have taken both a grade 11 and grade 12 course within a specific area of the Visual Arts (ie: Art Foundations, Drawing/Painting, Graphic Arts, Photography) may, with permission of an instructor, take an IDS course. With guidance from the instructor, students will formulate their own projects and be expected to demonstrate a high level of commitment and the ability to work independently. This course is ideal for students who want to further develop their portfolio and/or wish to explore post-secondary art education and training opportunities. Upon approval of the instructor, this course is open to grades 11, 12. (FA)

## PHOTOGRAPHY 11

Photo 11 is both an introductory AND intermediate course. It is for students who have either never taken a photography course before OR who have had some introduction to photography and wish to continue with their exploration of the medium. Working with traditional film and digital cameras - including your cellphone camera - this course offers students the opportunity to learn about traditional and experimental photographic processes. This is a great course for students who are considering taking Graphic Arts or who want to be involved with the production of the yearbook (Desktop Publishing). Open to grades 10, 11, 12. (FA)

## PHOTOGRAPHY 12

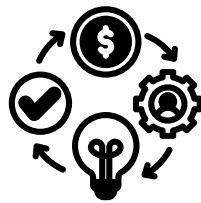
This course builds on the experience of previous photo classes. Using a DSLR camera (furnished by the Art Department), students in this course will explore various photography approaches. While some of the projects offered in this course vary from year to year, students will have the opportunity to experiment with photojournalism, documentary photography, fine art photography, studio photography and more. Open to grades 11, 12. (FA)

## STUDIO ARTS 2D 11 (DRAWING/PAINTING 11)

This course will be of interest to those students who wish to explore drawing and painting as a focused medium of creativity and expression. Projects may include working with pencil, charcoal, conte, pastel, pen and ink, tempera, acrylic, watercolor, and other experimental and mixed media. From the projects planned, students will have the chance to develop traditional drawing and painting techniques and more experimental ones. Visual Arts 9 recommended. Open to grades 10, 11, 12. (FA)

## STUDIO ARTS 2D 12 (DRAWING/PAINTING 12)

This course offers students the chance to explore drawing, painting, and mixed media works through various thematic projects. With varying degrees of direction from the instructor, students can work on individual projects of their own choosing. Studio Arts 2D 11 is required, unless with permission. Open to grades 11, 12. (FA)



## BUSINESS EDUCATION

### ACCOUNTING 11

This course is an excellent foundation for students who intend to get jobs in the business world, become self-employed, or take post-secondary business courses. As an introduction to bookkeeping procedures and accounting concepts, this course allows students to be aware and capable of completing the basic accounting cycle and financial statements for a small business. (AS)

### ACCOUNTING 12

This course continues where you left off in Accounting 11. Get a job as an accounting clerk and make money on the stock market! Using industry standard software (QuickBooks Accounting), students set up an automated accounting system, analyze and solve accounting problems, and generate accounting reports. Students will also analyze and compare the financial statements of companies on the stock market for investment. This course is ideal for students seeking employment in accounting or pursuing a business program at the post-secondary level. (AS)

### BUSINESS COMMUNICATIONS 11

This course is a practical introduction to business software programs used in various industries. Students will gain skills in keyboarding, word processing, spreadsheets, presentation software and graphics. Upon completion of this course, students will feel confident in their use of the computer for personal, business, and post-secondary needs. (BAA)

### ECONOMICS 12

This introduction to economics includes the study of economic principles such as supply and demand, national output, consumption, economic and financial systems, role of government, fiscal policy, interest rates, inflation, and international trade. Students may compete in a business simulation game and learn the breadth of the investing realm. This is an ideal course for students pursuing post secondary education in commerce, business administration or social studies. This course is recognized by both SFU and UBC as a Grade 12 academic course for admissions. (AS)

### ENTREPREURSHIP 12

Make money...manage others...be your own boss! Do you have what it takes to run your own business? Get started on that new business idea before graduation! Learn by finding out what other successful young entrepreneurs have to say. Students will study the traits and attitudes of successful entrepreneurs, as well as examine a business plan for a product or service of their choice. Areas of instruction include identifying profitable opportunities, developing sales and

expense forecasts, acquiring financing, and promoting ideas. This course is ideal for students who want to run their own business or pursue business programs at post-secondary. Entrepreneurship 12 students will host Pinetree's Business Fair and participate in a Dragon's Den style business pitch as a part of their final projects. (AS)

## MARKETING & PROMOTION 11

Want to be successful? . . . Learn to market and sell!!! The retailing focus of this course will lend itself to creative, practical, and activity-based projects. Through a variety of opportunities, students are exposed to the latest trends in retail marketing. The final marketing plan will allow students to express their own creativity while applying advanced marketing concepts. This course is ideal for students seeking employment in sales and marketing or pursuing a business program at the post-secondary level. (AS)

## E-COMMERCE 12

E-commerce picks up where you left off in Marketing 11. We build on and expand these principles into the world of online commerce! More specifically, this course covers advanced marketing concepts for local and global e-commerce as well as cyber marketing. Students will also be given the opportunity to improve their interpersonal and presentation skills, which is a must for success at university and the business world! This course is for anyone pursuing a business program at post-secondary. (AS)



# CAREER LIFE EDUCATION

## PATHWAYS TO GRADUATION

Career Education in the Graduation Program encourages students to pursue their career-life development journey in personally meaningful and goal-oriented ways. In Career-Life Education 10 (CLE) and Career-Life Connections 12 (CLC), students learn how to effectively manage their life journey toward preferred future possibilities, and develop the confidence, knowledge, and competencies necessary to succeed in an ever-changing world. Four credits per course are dedicated to this area of learning and are a requirement for graduation.

## CAREER LIFE CONNECTIONS 12 (CLC)

CLC will enable students to develop the skills they need to become self-directed individuals who successfully set goals, make thoughtful decisions, and take responsibility for pursuing their goals throughout life. Building off CLE 10, Students will explore post-secondary education options, careers, health, and finances. At the end of the course, students will be more aware of opportunities available to them. Career-Life Connections focuses on applying personal career-life, skills, and strategies to one's own personal life journey. The Capstone is the final project for this course. It is a requirement for Career-Life Connections and for graduation. The purpose of the **Capstone** is for students to demonstrate the knowledge, competencies, and passion(s) they can offer the world, as they integrate personal interests and strengths with preferred future possibilities. It represents the student's learning journey and provides an opportunity to reflect, synthesize, showcase, and celebrate.

## CAREER LIFE EDUCATION (CLE)

CLE is intended to expand and/or deepen student exposure to career-life possibilities. This graded course is a graduation requirement for all students in British Columbia and replaces Planning 10. Students will explore, through a series of learning activities, outcomes that are directly relevant to their future personal wellness, living arrangements, financial planning, and career path. Career Life Explorations will invite students to consider the impact of their personal and career choices on themselves and others. Students will explore personal development, connections to the community, and career and educational life plans.





# DRAMA

*Pinetree Secondary offers a comprehensive theatre program that ensures student actors will have the opportunity to develop high level acting skills and production expertise within a diverse range of performance styles and experiences. The theatre program (Treehouse Theatre) is an inclusive program and provides opportunities for performers at all experience levels to learn and develop their skills and knowledge in a safe, creative environment.*

## DANCE TECHNIQUE & PERFORMANCE 11/12

This program is focused on exploring, creating, and performing physical movement, choreography, and performance through a variety of dance forms and styles, and in large group, small group, and solo contexts. Students will experiment with dance elements, principles, and techniques; students should expect a combination of high-level physical activity along with studying the development of dance and its role in culture and society. There will be a performance at the end of the course. (FA)

## DIRECTING & SCRIPT DEVELOPMENT 11/12

This course is designed around writing, directing, and/or producing scenes and a one act play. Students will explore, create and refine dramatic works, both published as well as their own. Students will study plays, work on script writing techniques, and direct their own scenes, demonstrating innovation and creativity through scriptwriting and/or directing. This course is an excellent opportunity to develop leadership skills while exploring a whole new area of theatrical experience. The course runs alongside Performing Arts 9 or Drama 11/12. See instructor for permission. (FA)

## DRAMA 11

Drama 11 is a performance-based course designed to allow actors to develop autonomy in their acting process through performance. These actors will explore and create dramatic works; develop a repertoire of dramatic skills and techniques; purposefully select and combining dramatic elements and conventions; and be continually engaged in rehearsal or performance of a variety of shows, for a variety of audiences, including each other. Significant emphasis will be placed on the student's level of commitment in the class productions. (FA)

## DRAMA 12

*Recommended: A previous Drama course - Performing Arts 9 or Drama 11*

Drama 12 prepares the acting student for further experiences at college or university level. Students will gain further experience in script analysis and scene work while developing stronger acting skills and deeper self-awareness. The actors will continue to explore and create dramatic works; develop a repertoire of dramatic skills and techniques, and purposefully select and combine dramatic elements and conventions. Significant emphasis will be placed on performances throughout the semester and on diverse theatre styles. (FA)

## DRAMA: MUSICAL THEATRE 11/12

*Recommended: A previous Drama course - Performing Arts 9 or Drama 10, 11 or 12, or permission of the instructor*

You're a star! This course is a fast-paced introduction to rehearsing and performing a Broadway style musical. Enrollment in this class makes you part of the cast of the annual musical at Pinetree, open to public audiences. While learning and refining singing, dancing and acting techniques, you will develop your communication skills and confidence, essential skills for future leaders, entrepreneurs, and artists. Students will also establish individual performance goals and learn to use constructive feedback to refine performances. In addition, opportunities will arise to learn about technical theatre to support the production. This course is designed for performance enthusiasts and cooperative learners and will involve some after-school rehearsals in addition to class work. (FA)

## THEATRE PRODUCTION 11/12

These self-motivated courses are designed to develop skills in backstage theatre, including set design and construction, theatre background, colour, scene painting, props, lighting, and management. Students will plan and create aspects of theatre production collaboratively and individually, using imagination, observation, and inquiry. The course will involve the use of equipment, both manual and power, and will involve physical activities. Students will be expected to be involved in the various theatre productions presented throughout the semester. (FA)



## ENGLISH

### GRADE 10

**All students take LITERARY STUDIES 10 as part of their English 10 course.**

Literary Studies 10 engages with the concept that Literature is everywhere, and it shapes our view of the world around us. This course encourages students to reflect on literature from a variety of cultures & contexts, genres, time periods, authors, and themes. Featured texts may include novels, short stories, poems, plays, songs, films, digital media, and more. Literary Studies allows students to build skills in reading, reflecting, and understanding how language and text shape our lives.

**STUDENTS WILL CHOOSE ONE OF THE FOLLOWING:**

### COMPOSITION 10

Composition 10 offers a well-rounded approach to English Studies at the grade 10 level. Composition refers to the art of brainstorming, drafting, proofreading, and editing writing. Paragraph and multi-paragraph writing will be covered in this course, but skills & techniques in reading, reflecting, and critical thinking are also key. In Composition 10, students will engage with a variety of texts, including novels, short stories, poems, songs, films, and more. For students who may need English support, particularly in writing, and who are considering post-secondary studies, this course is ideal.

### CREATIVE WRITING 10

Creative Writing 10 offers the opportunity to explore the art of writing and bring the wildest ideas to life. This course is designed to help students craft unforgettable characters, create magical worlds, and discover their unique voices in a creative and inspiring environment. The course includes “Storytelling Adventures” – Developing narratives that captivate readers and leave a lasting impression. “Journaling Journeys” – Reflecting, imagining, and writing about life, the universe, and everything in between. “Page-Turning Inspiration” – Exploring engaging stories and poems to spark creativity. “Poetry and Prose Magic” – Experimenting with words to create meaningful and beautiful pieces. “Collaborative Creativity” – Sharing ideas, offering feedback, and growing as a writer within a supportive community. Through daily creative prompts, writing challenges, and storytelling workshops, students will have the chance to write extensively in dynamic and enjoyable ways. By the end of the course, participants will have a portfolio of original work showcasing their growth and creativity.

### NEW MEDIA 10

New Media 10 provides skills relevant to digital literacy in our modern world. This course explores the evolving role of technology in communication and digital media's influence on society. Designed for flexibility, the course allows students to develop skills through various focus areas, including media studies, film, television series, graphic novels, journalism, and digital communication. Emphasizing digital literacy, students analyze and create multimedia texts, critically assess sources, and engage with diverse perspectives, including First Peoples narratives. Through projects such as blogging, podcasting, and film analysis, students strengthen their ability to express ideas, collaborate, and navigate the responsibilities of digital citizenship in a globalized world.

## **FOCUSED LITERARY STUDIES & COMPOSITION 10 HONOURS (4 CREDITS)**

English 10 Honours is intended for students who have a love for English literature and are self-motivated students who have demonstrated exceptional skills in speaking, listening, reading, and writing in the English language. As with English 10, we will explore and create written, oral and visual texts; help develop a lifelong love of reading, writing and learning; and think critically and deeply about different world views. This course, in addition to addressing the curricular components outlined in the English 10 course description, emphasizes developing students' skills in academic writing and requires students to read widely at a sophisticated level. Students will have the opportunity to develop additional background knowledge in literature, which will be beneficial for senior level English Honours courses. In sum, an Honours student should have a strong, genuine passion for the subject and a willingness to receive feedback for the sake of pure learning and self-improvement.

## **GRADE 11**

### **ENGLISH FIRST PEOPLES (EFP) & NEW MEDIA 11**

EFP Literary Studies and New Media 11 is designed for students who are interested in studying First Peoples literature and examining the evolving role of technology in today's society, especially the increasing importance of digital media in communicating and exchanging ideas and engaging in social advocacy. Students delve deeply into First Peoples oral and written literature in a range of media to explore various themes, authors, and topics. This provides a foundation for students to think critically and creatively as they continue to explore, extend, and strengthen their own writing and communication. Students examine the increasingly complex digital world and have opportunities to demonstrate understanding and communicate sophisticated ideas through a wide variety of digital and print media.

### **ENGLISH FIRST PEOPLES (EFP) & WRITING 11**

Students taking English First Peoples and Writing 11 will focus on authentic Indigenous voices while critically and creatively exploring deeper understandings of a variety of media and texts. Through an exploration of oral and written texts, videos, and more, this course reflects the cultures, knowledge, histories, lived experiences, and worldviews of First Peoples, so students will develop an awareness of: how First Peoples stories reflect these aspects as well as the influence of land/place; varying narrative structures and features; and common themes in First Peoples' texts. Students will develop their writing skills in various forms including expository, argumentative, and creative writing with a focus on the writing process (planning, drafting, and revising) to strengthen their writing. Students will connect coursework to Reconciliation and the First Peoples Principles of Learning.

### **ENGLISH FIRST PEOPLES (EFP) & WRITING 11 HONOURS**

EFP Literary Studies + Writing Honours 11 is designed for students who are interested in studying First Peoples literature and using writing for self-expression and communication. The course advances Reconciliation within our school system. Students explore Indigenous world views while they delve deeply into First Peoples oral and written literature in a range of media to explore various themes, writers, and topics. This provides a foundation for them to think critically and creatively as they continue to reflect upon, extend, and strengthen their own writing. Within a supportive community, students work individually and collaboratively to create powerful, purposeful compositions for specific audiences through a variety of written forms and in a variety of contexts. Students will also learn how to cite sources, consider the credibility of evidence, and evaluate the quality and reliability of the source. Woven through the course, are the First Peoples Principles of Learning. An English First Peoples and Writing 11 Honours student should have a strong, genuine passion for understanding Indigenous perspectives and writing. A willingness to receive feedback for the sake of pure learning and self-improvement is crucial.

# GRADE 12

## ELECTIVE COURSE OFFERING:

### LITERARY STUDIES 12

*This course is open to grade 11 and 12 students*

Literary Studies 12 offers the opportunity to explore famous and increasingly complex texts, from a variety of genres. This course encourages students to engage in rich discussion, debate, and individual inquiry on texts ranging from ancient to modern. Students will be expected to use their critical thinking skills to challenge, question, and reflect upon the relationship between the written story, differing world views, and socio-cultural perspectives. This course is designed to foster essential skills and competencies that extend beyond the typical study of literature. If you are an avid reader, and enjoy discussing and dissecting text, then this is a course for you!

*\*Please note that this course is an elective and cannot replace English Studies 12 or English First Peoples 12.*

## STUDENTS MUST TAKE ONE OF THE FOLLOWING COURSES TO MEET GRADUATION REQUIREMENTS:

### ENGLISH FIRST PEOPLES 12

English First Peoples 12 is an opportunity to focus on authentic Indigenous voices while critically and creatively exploring deeper understandings of a variety of media and texts that reflect the cultures, knowledge, histories, lived experiences, and worldviews of First Peoples. An EFP 12 student should have an interest in this subject area, and a willingness to use their critical thinking skills to explore, extend, reflect upon, and challenge their thinking with rich discussions and individual study. Students will develop an awareness of: how First Peoples stories reflect culture, lived experiences, worldviews as well as the influence of land/place and common themes in First Peoples' stories. Students will strengthen their writing, communication, and collaboration skills and other competencies beyond just studying literature. Students will connect coursework to Reconciliation and the First Peoples Principles of Learning.

### ENGLISH STUDIES 12

English Studies 12 builds and extends upon students' previous learning experiences and provides students with opportunities to refine their ability to communicate effectively and think critically and creatively about the uses of language. Students will explore texts from a variety of sources that reflect diverse worldviews, which will deepen their understanding of themselves and others in a changing world. Students will gain insight into the diverse factors that shape identity and contribute to Reconciliation by building greater understanding of the knowledge and perspectives of First Peoples while expanding their understanding of what it means to be an educated Canadian and global citizen. First Peoples Principles of Learning will guide teaching and learning throughout this course.

### ENGLISH STUDIES 12 HONOURS

English Studies 12 Honours is an enriched course for students planning on post-secondary studies in the Humanities, and/or those simply interested in studying literature. It deals with advanced texts and introductory critical theory, exploring questions of identity, and the role of narrative in daily life. Students will develop skills in reading, understanding, discussing, and appreciating literature, particularly poetry and drama, of times other than our own. The course provides an awareness of cultural heritage, identity, and perspectives on contemporary literature and life. An English 12 Honours student should have a strong, genuine passion for the subject and a willingness to receive feedback for the sake of pure learning and self-improvement.



# ENGLISH AS AN ADDITIONAL LANGUAGE

## EAL BEGINNER LEVEL 1

This course is designed to help English language learners begin to develop basic English vocabulary in speaking, listening, reading, and writing. Starting with survival English words and phrases, it is expected that at the end of the course, students will be able to speak and listen at a level where they can respond to questions with one word or phrase answers. In terms of reading and writing, it is expected that students will be developing the ability to look at, spell, and understand basic sight words.

## EAL DRAMA 10: Oral Communication Level 1-2/2+

This course works in connection with the beginner class or English Language Development 10. Students will focus on effective oral communication skills in English to use both inside and outside of the classroom. Classwork will focus on applications in the real world that will involve a variety of individual and group activities. Common activities used in this course include presentations, skits, and projects that will give students the opportunity to practice and improve their overall English communication skills.

## ENGLISH LANGUAGE DEVELOPMENT 10: Level 2/2+

This advanced beginner EAL course is designed to help English language learners develop the four main English language skills of reading, writing, listening, and speaking. The course focuses on reinforcing strategies needed to read, write, and extract information successfully in English. The course also teaches various verb tenses including simple present, present continuous, regular/irregular past tenses, and future tenses. Other emphasis will be given to vocabulary development and short paragraph writing. It is expected that by the end of the course, students should be able to read short simple text or lower-level reading books and write a variety of grammatically correct sentences. Students will demonstrate growth in English through oral, visual, and simple written forms.

## ACADEMIC STRATEGIES FOR LANGUAGE LEARNERS 10: Level 3

This course is designed to help English language learners develop the four main English language skills of reading, writing, listening, and speaking in more detail. It is expected that by the end of the course, students should be able to comfortably engage in conversation and thought when it comes to either presentations, informal conversations, or discussions. Students will be reading more complicated short stories and short novels on their own. Students will continue to develop vocabulary and work on longer written paragraphs that have a topic sentence, supporting details, and a concluding sentence. Students will demonstrate growth in English through more complex oral, visual, and written forms.

## INTRODUCTION TO ACADEMIC LANGUAGE 10: Level 3.5

This course is designed to familiarize and extend a student's abilities to use various strategies independently to be successful learners in future English, social studies, and science classes. The areas of speaking and listening will continue to be developed and assessed using oral activities such as discussions, presentations, or conversations. Eye contact, the volume of voice, enthusiasm, and intonation will be expected as students engage in these activities. Students will develop a deeper understanding of Canadian culture, geography, history, and First Nations.

## ENGLISH LANGUAGE DEVELOPMENT 11 – Level 3+/4

This course is designed to help English language learners develop proficiency in the four main English language skills of reading, writing, listening, and speaking. It is expected that by the end of the course, students should be able to comfortably engage in sophisticated conversation and thought when it comes to either presentations, informal conversations, or discussions. Students will continue to develop their English language skills by reading more complicated short stories. Complex literary devices (symbolism, foreshadowing, and irony) will be introduced as students develop their reading and writing skills. Other reading/writing units will include a novel study and oral presentation unit. Students will continue to work on developing grammatically correct sentences, correct spelling, and appropriate punctuation. Students will demonstrate growth in English through more complex oral, visual, and written forms.



## HOME ECONOMICS

**HOME ECONOMICS** - Don't leave school without it! Explore the worlds of food, textiles, and family. Express your creativity, learn and practice life skills, gain employability skills and meet graduation requirements. Our courses are fun, social, practical, and unique.

## CHILD DEVELOPMENT AND CAREGIVING 12

Child Development and Caregiving is designed for those students who want to learn about the physical, emotional, cognitive, and social development of children. Topics of study will include: pregnancy, development of young children, rights and responsibilities of children and caregivers, parenting strategies, and careers in caregiving. Activities may include interacting with children and caregivers, personal reflection, research and discussion of current parenting topics and trends, and adoption of RealCare™ babies. (AS)

## FOOD STUDIES 11

Join us in Food Studies 11 to develop the skills you need to be independent in the kitchen. We will practice our cooking skills while creating delicious and affordable meals from a variety of cuisines. (AS)

## FOOD STUDIES 12

What interests you about food? This course focuses on student interest. Review a base set of skills and then take on opportunities to create more complex dishes through design challenges. (AS)

## INTERPERSONAL AND FAMILY RELATIONSHIPS 11

### (Family Studies)

Explore healthy interpersonal relationships in our global society. Learn about yourself and your relationships with others. This course is all about the roles, and rights and responsibilities when in relationships with others, including those with your family, friends, employers, and romantic partners. Focus is on communication, skills in conflict resolution, intimacy, and love. An excellent course for those interested in improving interpersonal skills or pursuing a career working with others. (AS)

## TEXTILES 11

LEARN TO SEW! Textiles 11 is designed to help you learn the basics: the practical sewing skills needed to create clothing that you will be proud to wear. In this course you will make two garments (a class project, and a choice project), along with several smaller projects (upcycling, accessories, home décor) based on time and student interest. We will learn how to choose fabric, work with commercial patterns, and make simple alterations. We will explore the process of upcycling and consider the environmental and ethical impacts of our clothing choices. This is a perfect course for beginners, no experience needed. (AS)

## TEXTILES 12

Textiles 12 is designed to build on the skills taught in Textiles 11. Students will continue to develop their skills by working with more challenging fabrics, learning to modify patterns to fit their body type, and working with a serger. We will explore ways to repurpose textiles items, how fashion is marketed, and the ethical issues behind producing textile items. Three to four clothing items will be made, based on student experience and skill level. (AS)



# INFORMATION TECHNOLOGY

## COMPUTER INFORMATION SYSTEMS 12

(Cisco Networking Academy)

**Do you enjoy learning about all the latest gadgets and new technologies? Do you want to be able to tackle computer problems with the skills and confidence to get the job done right? If this sounds like you, CIS is the course you have been looking for. The Cisco Networking Academy at Pinetree is a unique opportunity for students to complete their Cisco Networking IT Essentials certification before graduating high school. Ideal for students interested in pursuing a career in IT, electronics, or computer science, this course will provide you with a strong foundation in computer hardware and networking. The course will consist of weekly lab work and self-paced, online modules. Modern, up-to-date coursework includes virtual simulations and hands-on repair work.**

Open to all students in grades 11-12. A strong interest in computers and technology is recommended. No prior experience necessary. (AS)

## COMPUTER PROGRAMMING 11

Completion of Mathematics 10 is STRONGLY RECOMMENDED. Computer Programming 11 is aimed at exposing students to the world of computer programming and computer science. By the end of the course, students will be familiar with foundational programming knowledge and skills transferable to any computing language. Students will learn to use text-based coding software in order to produce finished work. While Programming 11 requires no prior knowledge in programming or computer science, critical thinking skills are necessary for success in the course, as the focus will be on developing the application of logic, problem solving, and computational thinking. (AS)

## COMPUTER PROGRAMMING 12

Completion of Computer Programming 11 is REQUIRED (students without Computer Programming 11 may meet with the teacher prior to enrolling for an assessment to demonstrate adequate prior experience). Completion of Pre-Calculus 11 is STRONGLY RECOMMENDED. This course is for students wanting to pursue a career in computer science, software development, or engineering at a university or technical college. It is a continuation of Computer Programming 11 - students will learn with a high-level language such as Java or C++. Focus will be on the different paradigms of programming including imperative, functional, and object-oriented programming styles. (AS)

## GRAPHIC PRODUCTION 11

(formerly Desktop Publishing 11/Yearbook)

Purpose: to create the school yearbook.

Technical: digital photography, photo manipulation software (Photoshop), and page layout software (InDesign).

Practical: to learn layout design and composition, as well as how to take quality digital photos.

Final Note: This course demands that students are hardworking and mature. Students in this course are responsible for meeting deadlines without errors. (AS)

## GRAPHIC PRODUCTION 12

(formerly Desktop Publishing 12/Yearbook)

Purpose: to create the school yearbook.

Technical: advanced levels of software, as well as file management and shipping procedures.

Practical: organize DTP11 students, organize the book, and create many of the templates.

Final Note: This course is for everyone who enjoyed Desktop Publishing 11. It demands a high level of commitment and computer skills. (AS)

## GRAPHIC PRODUCTION INDEPENDENT STUDIES (IDS)

Purpose: to create the school yearbook.

Technical: students can choose to focus on advanced levels of software, file management, advertising, publishing, training, or team management.

Practical: the student will do in-depth tasks on the technical focus they have chosen. Final Note: This course is for students who enjoyed Desktop Publishing 11 and 12.

## MEDIA DESIGN 11

Do you want to effectively develop a wide range of digital media arts skills across various software platforms? If so, this diverse and multi-faceted course is for you. Throughout the semester, students will explore five modules that cover a wide range of digital media. Module topics include Web Design, Image Editing, 2D / 3D Animation, and Digital Video production. In this course, students will learn how to use Adobe Photoshop, Adobe Dreamweaver, Adobe Animate, Adobe Illustrator, Blender and more.

Open to all students in grades 10-12. A strong interest in computer software is recommended. No prior experience necessary. Media Design 11 can help develop interest for a career in digital media. Students can further expand their abilities after completion of this course with Media Design 12. (AS)

## MEDIA DESIGN 12

*Recommended: Media Design 11*

This course picks up where Media Design 11 left off. We will continue our diverse exploration into a variety of computer science topics. Concepts learned in grade 11 will be extended and further developed to help students obtain a more focused understanding of previous knowledge. This course will focus on five points of inquiry designed to complement and extend the modules from grade 11. Topics will include web programming, 2D/3D Graphic Design, 3D Animation, and much more. Students will create an individualized course syllabus to further develop their skills in the Points of Inquiry. Technology is a tool that is essential for future academic success. This course aims to provide students with an arsenal of skills to do just that. (AS)



## LEADERSHIP & PEER TUTORING

### LEADERSHIP COURSE OFFERINGS:

We encourage students to take on leadership roles at Pinetree Secondary! For each school year, please note that students can choose only one leadership class.

## PE LEADERSHIP-PEER TUTORING 11 (BAA)

This course is available to students who are leaders in the school and want to further develop their leadership skills within a physical education setting. This course is designed to specifically work with junior PE and fitness classes. Students must be responsible and appreciate diversity in the classroom as well as be inclusive of indigenous ways of learning. They must possess effective



communication skills, initiative, and patience. This program requires a time commitment outside of regularly scheduled classes and is strongly recommended for those students interested in vocational careers such as teaching, physical therapy, medicine, community support, or social work. Students are expected to be tutoring in junior level classrooms in addition to meeting with their teacher outside the timetable.

## PE Peer Tutoring Application

### PEER TUTORING 11 (BAA)

This course is available to students who have an aptitude for working with others, and confidence in one or more subject areas. Students enrolled in this program must be responsible, appreciate diversity, and possess effective communication skills, initiative, and patience. This program requires a time commitment outside of regularly scheduled classes and is strongly recommended for those students interested in vocational careers such as teaching, medicine, community support, or social work. Students are expected to be tutoring in junior level classrooms. Note: preference for a student's choice of subject area and their preferred off-block cannot always be accommodated.

### PEER TUTORING 12 (BAA)

This course is an extension of Peer Tutoring 11. This course is offered to conscientious students who enjoy helping others. Students wishing to earn credit for Peer Tutoring 12 will be expected to demonstrate a higher level of skill attainment in the areas of problem-solving and interpersonal skills.

### ATHLETIC LEADERSHIP 11/12 (BAA)

**Open to students in grades 10-12, but priority will be given to students in grades 11 & 12.**

Athletic Leadership is designed to further develop students' knowledge and skills in leadership, event management, coaching and instruction, as well as officiating. Students will discover the benefits of giving back to their school, community and sport. Students will recognize specific rules enforced by tournament managers and referees, and learn strategies implemented by coaches in a variety of sports. Students will aid in running our intramural programs, manage a concession, and be a team manager for a sports team.

The course is a combination of face-to-face learning in the form of a monthly meeting. Two major assigned duties (one being a team manager and one being another athletic job) will be assigned at the start of the year. Students will also be expected to demonstrate leadership and be involved in service within Pinetree's physical education department and extracurricular athletics.

### LEADERSHIP 11/12 (BAA)

**Open to students in grades 10-12, but priority will be given to students in grades 11 & 12.**

This course offers students the opportunity to develop leadership skills through a variety of in-school and out-of-school experiences such as spirit weeks and grade specific events. Through consultation and collaboration with other "leadership" groups in the school, you will learn the skills of effective leaders. This course is intended to be student driven. The direction of the course and the productivity of the group are dependent on each member's participation and input. The success of the course and our year as leaders at Pinetree is dependent on what you as an individual and you, as a group, are willing to invest. Assessment is derived from student's participation and completion of leadership assignments. This class is an ideal fit for students who are passionate about building leadership skills through enhancing school community and cultivating school spirit.

This is a full-year linear course that runs outside of the school day. Please note that we meet on Wednesdays after school in the library. Students are expected to be able to commit to attending these after school meetings.

### LEADERSHIP SEL 11/12

**Red Cross Leadership for a Connected Community (BAA)**

This course is designed to provide leadership opportunities within the Pinetree community to create impactful presentations and campaigns. These presentations and campaigns are designed to have a positive impact on our community with a goal of creating an even more connected and healthy Pinetree community.

- Creating your ideal school
- What we can each do to reduce the incidence and impact of bullying
- The difference that can exist between the impact versus the intent behind an action or behaviour
- How power dynamics come into play with social interactions
- Racism, sexism, LGBTQ2S issues, transphobia, ageism and other forms of oppression
- How to understand privilege
- How to participate in anti-oppression
- Healthy versus unhealthy relationship patterns including consent, gaslighting, abuse and more.

This course requires presenting in person where appropriate as well as presenting on video. Students must apply for this course with an intake questionnaire and video application submitted to [KMobilio@sd43.bc.ca](mailto:KMobilio@sd43.bc.ca) prior to the second half of the school year in order to be considered for the following school year.



# MATHEMATICS

Mathematical skills are integral and essential for solving problems in most areas of life and are part of human history. The British Columbia Mathematics curriculum aims to ensure that citizens are numerate and have mathematical habits of mind. - BC's New Curriculum.

The Mathematics Department offers a wide range of courses to meet the needs of all students. Students must select courses consistent with their abilities and career goals. Many post-secondary courses require mathematics as a pre-requisite. Students should seek advice from both their math teacher and their counsellor before selecting their courses. Note: All mathematics students should have a scientific calculator.

## FOUNDATIONS OF MATHEMATICS & PRE-CALCULUS 10

This option is designed to provide students with the mathematical understanding and critical-thinking skills identified for post-secondary academic studies at colleges and universities. Topics include surface area and volume of 3-D objects, applying trigonometric ratios to right triangles, irrational numbers, powers involving integral and rational exponents, polynomials, and coordinate geometry with linear relations, systems of linear equations, and function notation. Aspects of core competencies: (a) Communication, (b) Creative Thinking, (c) Critical Thinking, (d) Positive Personal and Cultural Identity, (e) Personal Awareness and Responsibility, and (f) Social Responsibility, and curricular competencies: (a) Reasoning and Modeling, (b) Understanding and Solving, (c) Communicating and Representing, and (d) Connecting and Reflecting, will be addressed throughout this course. At the end of this course, students are prepared for either Foundations of Mathematics 11 OR Pre-Calculus 11.

## FOUNDATIONS OF MATHEMATICS & PRE-CALCULUS 10 HONOURS/PRE-CALCULUS 11 HONOURS

These programs are structured in a similar fashion to the Pre-Calculus 9 Honours program. The core course material is based on the Pre-Calculus 10/11 courses; however, significant emphasis is placed on theory and proof. Homework and assignments are daily events. Rigorous midterms and a final examination are part of the evaluation process.

Aspects of core competencies: (a) Communication, (b) Creative Thinking, (c) Critical Thinking, (d) Positive Personal and Cultural Identity, (e) Personal Awareness and Responsibility, and (f) Social Responsibility and curricular competencies: (a) Reasoning and Modeling, (b) Understanding and Solving, (c) Communicating and Representing, and (d) Connecting and Reflecting, will be addressed throughout this course.

Note: Advanced optional topics in Mathematics may be covered if time permitting. Student participation in national and international mathematics contests is a traditional part of the Math Honours Program.

## **FOUNDATIONS OF MATHEMATICS 11 (Bridge)**

This course's main purpose is to give students the opportunity to build their mathematics skills and knowledge applicable to students interested in future studies in non-science/engineering/business programs (i.e. humanities/arts). Some topics are similar to the Pre-Calculus 10/11 course – the focus will be more towards applications rather than theory. Aspects of core competencies: (a) Communication, (b) Creative Thinking, (c) Critical Thinking, (d) Positive Personal and Cultural Identity, (e) Personal Awareness and Responsibility, and (f) Social Responsibility, and curricular competencies: (a) Reasoning and Modeling, (b) Understanding and Solving, (c) Communicating and Representing, and (d) Connecting and Reflecting, will be addressed throughout this course. Depending on success, some students will continue towards the Pre-Calculus pathway after completing this course.

Note: Mathematics credit (i.e. satisfaction of pre-requisite criteria) varies for each post-secondary Institution.

## **PRE-CALCULUS MATHEMATICS 11**

This academic course covers the following topics: roots and powers; radical operations and equations; solving quadratic equations; analyzing quadratic functions and inequalities; trigonometry, rational expressions and equations; and financial literacy. Problem-solving will be integrated throughout the course. Students must have access to a scientific calculator or graphing calculator, such as a TI-83. Aspects of core competencies: (a) Communication, (b) Creative Thinking, (c) Critical Thinking, (d) Positive Personal and Cultural Identity, (e) Personal Awareness and Responsibility, and (f) Social Responsibility, and curricular competencies: (a) Reasoning and Modeling, (b) Understanding and Solving, (c) Communicating and Representing, and (d) Connecting and Reflecting, will be addressed throughout this course.

## **WORKPLACE MATHEMATICS 10**

This option is designed to provide students with the mathematical understanding and critical-thinking skills identified for entry into most trades and direct entry into the work force. Topics include understanding and applying the metric and imperial systems to the measurement of 2-D and 3-D objects; geometry and trigonometry; and the fundamentals of income, spending, and debt. All topics are taught within a framework of problem-solving. Aspects of core competencies: (a) Communication, (b) Creative Thinking, (c) Critical Thinking, (d) Positive Personal and Cultural Identity, (e) Personal Awareness and Responsibility, and (f) Social Responsibility and curricular competencies: (a) Reasoning and Modeling, (b) Understanding and Solving, (c) Communicating and Representing, and (d) Connecting and Reflecting, will be addressed throughout this course. At the end of this course, students are prepared for Apprenticeship and Workplace 11. Students may also choose one of the other Mathematics 10 or 11 course options pending departmental consultation.

## **WORKPLACE MATHEMATICS 11**

This course uses a variety of methods to solve real-life, practical, technical, and theoretical problems. Topics include problem-solving, relations and formulas, income and debt, data analysis and interpretation, measurement, technology, owning and operating a vehicle and personal planning. Aspects of core competencies: (a) Communication, (b) Creative Thinking, (c) Critical Thinking, (d) Positive Personal and Cultural Identity, (e) Personal Awareness and Responsibility, and (f) Social Responsibility, and curricular competencies: (a) Reasoning and Modeling, (b) Understanding and Solving, (c) Communicating and Representing, and (d) Connecting and Reflecting, will be addressed throughout this course.

## PRE-CALCULUS MATHEMATICS 12

Topics in this course include transformations, trigonometric functions, equations and applications, trigonometric identities, exponential and logarithmic functions and their application, permutations, and combinations. Independent problem-solving is stressed throughout the course. Students must have access to a graphing calculator, such as a TI-83. Aspects of core competencies: (a) Communication, (b) Creative Thinking, (c) Critical Thinking, (d) Positive Personal and Cultural Identity, (e) Personal Awareness and Responsibility, and (f) Social Responsibility and curricular competencies: (a) Reasoning and Modeling, (b) Understanding and Solving, (c) Communicating and Representing, and (d) Connecting and Reflecting, will be addressed throughout this course.

## CALCULUS 12

*Recommended: Pre-Calculus Mathematics 12*

This course is very useful for students who have strong mathematical ability and who intend to take calculus in their first year at a post-secondary institution. The main topics are functions, limits, continuity, derivative rules, curve sketching, related-rates problems and maximum-minimum problems. Derivations and proofs will also be a key component of this course. Because this course is typically taught at the post-secondary level, students will be expected to work independently with appropriate instruction provided during class lectures. To be successful, students need to commit time and energy to critically analyzing problems to seek understanding. Higher order conceptualization of mathematics will be an everyday event. Aspects of core competencies: (a) Communication, (b) Creative Thinking, (c) Critical Thinking, (d) Positive Personal and Cultural Identity, (e) Personal Awareness and Responsibility, and (f) Social Responsibility, and curricular competencies: (a) Reasoning and Modeling, (b) Understanding and Solving, (c) Communicating and Representing, and (d) Connecting and Reflecting, will be addressed throughout this course.

## PRE-CALCULUS 12 HONOURS

**(and Calculus 12 Honours to be taken in semester two)**

This course continues from the Pre-Calculus 11 Honours program. The core course material is based on Pre-Calculus Mathematics 12 and a portion of the Calculus 12 course. In addition, there will be extensive discussion regarding theory, proofs, and derivations for each of the topics covered. Homework continues to be a daily event. Aspects of core competencies: (a) Communication, (b) Creative Thinking, (c) Critical Thinking, (d) Positive Personal and Cultural Identity, (e) Personal Awareness and Responsibility, and (f) Social Responsibility and curricular competencies: (a) Reasoning and Modeling, (b) Understanding and Solving, (c) Communicating and Representing, and (d) Connecting and Reflecting, will be addressed throughout this course. There will be an intensive evaluation process, including a midterm and final examination. Note that the final student evaluation will be adjusted to reflect the difficulty of the Honours program. Student participation in national and international mathematics contests is a traditional part of the Math Honours Program.

## CALCULUS 12 HONOURS

**(completed in the second semester after Pre-Calculus Honours))**

This course continues from the Pre-Calculus 12 Honours program. Topics from differential calculus and integral calculus will be covered. As always, there will be extensive discussion regarding theory, proofs, and derivations. Homework is a daily event. There will be an intensive evaluation process, including a midterm and final examination. Note that the final student evaluation will be adjusted to reflect the difficulty of the Honours program. Aspects of core competencies: (a) Communication, (b) Creative Thinking, (c) Critical Thinking, (d) Positive Personal and Cultural Identity, (e) Personal Awareness and Responsibility, and (f) Social Responsibility, and curricular competencies: (a) Reasoning and Modeling, (b) Understanding and Solving, (c) Communicating and Representing, and (d) Connecting and Reflecting, will be addressed throughout this course.

At the termination of this course, students may write the Challenge Exam offered by UBC/SFU or the AP Calculus Exam. The percent evaluation from the exam may be used for credit in lieu of certain first year mathematics courses offered at UBC, SFU, UVIC and UNBC. Additionally, student participation in national and international mathematics contests is a traditional part of the Math Honours Program.



## INDEPENDENT DIRECTED STUDIES: MATHEMATICS

This course continues from the Calculus 12 Honours program. Topics in Advanced Integration will be covered. An important emphasis will be placed on mathematics contests and competitions. Aspects of core competencies: (a) Communication, (b) Creative Thinking, (c) Critical Thinking, (d) Positive Personal and Cultural Identity, (e) Personal Awareness and Responsibility, and (f) Social Responsibility, and curricular competencies: (a) Reasoning and Modeling, (b) Understanding and Solving, (c) Communicating and Representing, and (d) Connecting and Reflecting, will be addressed throughout this course.



## MODERN LANGUAGES

You may already speak other languages, but it is the process of learning another language in high school that equips students with essential skills for the future and enhancing skills needed in courses areas like the sciences and math. It improves communication skills, enhancing students' ability to interact with others. Learning another language fosters cultural awareness, risk-taking skills, and promotes empathy and a global perspective. It also builds confidence as students take risks and try new things.

Language classes at Pinetree are academic electives which focus on building students' communication skills through interactive, engaging activities. Students practice speaking, listening, reading, and writing in real-world scenarios to gain fluency and confidence. By working with peers, students strengthen interpersonal skills and experience cross-cultural communication. These classes provide a fun, supportive environment that prepares students for real-life language use.

## FRENCH COURSES

### French 10

- For students who have completed French 9 or by teacher permission

### French 11

- For students who have completed French 10 or by teacher permission

### French 12

- For students who have completed French 11 or by teacher permission
- French 12 students are eligible for the DELF exam – a French language competency exam administered by the French government

## JAPANESE COURSES

### Japanese 10

- For students who have completed Japanese 9 or by teacher permission

### Japanese Intro 11

- An intensive course where students complete two semesters of language study (Japanese 9&10) in 1 semester. Students must be prepared for the fast pace of learning
- For beginners who have no experience in the language
- Not for students in Grade 9 or who have completed Japanese 9 & 10 or who communicate in Japanese at home– please talk to the counsellor

### Japanese 11

- For students who have completed Japanese 10, Japanese Intro 11 or by teacher permission

### Japanese 12

- For students who have completed Japanese 11 or by teacher permission
- Japanese 12 students are eligible for the JLPT Level 5 exam (with minimal extra study) – a Japanese language competency exam administered by the Japanese government

## MANDARIN COURSES

### Mandarin 10

- For students who have completed Mandarin 9 or by teacher permission

### Mandarin Intro 11

- An intensive course where students complete two semesters of language study in 1 semester. Students must be prepared for the fast pace of learning.
- For beginners who have no experience in the language
- Not for students who have completed Mandarin 9 & 10 or who communicate in Mandarin at home– please talk to the counsellor

### Mandarin 11

- For students who have completed Mandarin 10, Mandarin Intro 11 or by teacher permission

## SPANISH COURSES

### Spanish 10

- For students who have completed Spanish 9 or by teacher permission

### Spanish Intro 11

- An intensive course where students complete two semesters of language study (Spanish 9 & 10) in 1 semester. Students must be prepared for the fast pace of learning.
- For beginners who have no experience in the language
- Not for students who are in Grade 9 or have completed Spanish 9&10 or who communicate in Spanish at home– please talk to the counsellor

### Spanish 11

- For students who have completed Spanish 10, Spanish Intro 11 or by teacher permission

### Spanish 12

- For students who have completed Spanish 11 or by teacher permission



## MUSIC

*Music courses at Pinetree are all Fine Arts electives and generally performance courses such as concert band, jazz band, concert choir, vocal jazz, and musical theatre orchestra. Non-performance courses include guitar and music composition. There are a wide variety of music courses, from beginning to advanced, that allow students to participate in the making of fine music. All performers at Pinetree (instrumental and choral) are required to perform at several concerts. Music students will be given the opportunity to attend concerts and workshops as part of their appreciation and understanding of the elements and principles of music. The Pinetree Music Department also offers band and choir students the opportunity to participate in*

the annual Spring Tour and other field trips related to performing and appreciation. Music courses are worthwhile experiences that serve to enhance the everyday school life of students. Universities are often looking for special experiences and qualities that high school students possess and one area they examine is team building and experiences working on teams. Bands and choirs are teams. Students learn to value their role within that team, developing their self-confidence, social responsibility, self-awareness, and appreciation for and ability to work with others.

## CHORAL MUSIC - Concert Choir

*Pre-requisite: none*

CHORAL MUSIC 10 (CONCERT CHOIR 10)

CHORAL MUSIC 11 (CONCERT CHOIR 11)

CHORAL MUSIC 12 (CONCERT CHOIR 12)

Course Content: This course is for all students interested in singing. No musical experience is necessary. Students will learn choral singing technique – vocal production, lyric diction, basic music theory and sight singing, and develop knowledge in musical interpretation and style. The group will sing a variety of songs in a variety of languages, and may include jazz, folk, and/or pop. Choir students will be evaluated in the areas of performance (singing tests, participation in concerts), theory (written tests, listening skills), and social responsibility (regular practice, attendance at rehearsals, preparation of music, physical readiness). Choir is an excellent course for everyone, including ELL students, because it helps students improve diction and pronunciation when speaking, and comprehension of spoken words, while singing in a group-setting. Choir classes are after school on Tuesdays and Thursdays (3:30 – 4:45 pm).

## CHORAL MUSIC - Vocal Jazz

*It is recommended that the student also be enrolled in choir at their grade level*

CHORAL MUSIC 10 (VOCAL JAZZ 10)

CHORAL MUSIC 11 (VOCAL JAZZ 11)

CHORAL MUSIC 12 (VOCAL JAZZ 12)

Course Content: This course will provide experiences in the exciting field of vocal jazz. Students will develop different singing styles, microphone technique, and choreography (movement) while singing exciting and fun music. Students enrolling in vocal jazz must also be enrolled in a Concert Choir course (Pre-requisite). Vocal Jazz courses are an extension of the concert choir program and provide the opportunity for students to sing in the jazz and popular styles. Rhythm section players and students who play drums, bass, or piano are welcome to be in vocal jazz ensembles. Vocal jazz classes are after school on Mondays and Wednesdays (3:30 – 4:45 pm).

## INDEPENDENT DIRECTED STUDIES: MUSIC

This course is designed for students who have completed all the music courses available at Pinetree Secondary. Students will pursue individual studies/projects in instrumental performance (piano/flute/guitar/clarinet etc.), music/compositional technology, music leadership, guitar and/or voice. Students who choose this course will undertake projects under the direction of the music teacher. This course allows the student to work independently, develop leadership skills, and refine already well-established skills in music. (FA)

## INSTRUMENTAL MUSIC - Concert Band

INSTRUMENTAL MUSIC 10 (CONCERT BAND 10)

INSTRUMENTAL MUSIC 11 (CONCERT BAND 11)

INSTRUMENTAL MUSIC 12 (CONCERT BAND 12)

*Pre-requisite: the previous year Instrumental Music 9, Instrumental Music 10 or Instrumental Music 11. Students without previous band experience will require the permission of the band teacher*

Course Content: This course is for students in grades 10, 11 and 12 who have taken previous band courses in high school. Students will continue to develop their musical skills and learn more challenging music. Music students will be evaluated in the areas of performance (playing tests, participation in concerts), theory (written tests, listening skills), and social responsibility (regular practice, attendance at concert band rehearsals, preparation of music, physical readiness). This is an excellent course for ELL students because English is used but it is not the key component used for assessment of learning outcomes.

## INSTRUMENTAL MUSIC - Jazz Band

INSTRUMENTAL MUSIC 10 (JAZZ BAND 10)

INSTRUMENTAL MUSIC 11 (JAZZ BAND 11)

INSTRUMENTAL MUSIC 12 (JAZZ BAND 12)

*It is recommended that the student also be enrolled in Concert Band at their grade level*

Course Content: This course is for students who love to play an instrument and want to learn more about jazz. This course focuses on the basic jazz styles (swing, Latin, ballad, funk) and the development of improvisation. Jazz band is a linear course in the timetable that is backed with concert band (concert band on day 1 and jazz band on day 2). Music students will be evaluated in the areas of performance (playing tests, participation in concerts), theory (written tests, listening skills), and social responsibility (regular practice, attendance at rehearsals, preparation of music, physical readiness).

## INSTRUMENTAL MUSIC 11 (Guitar 11)

*Pre-requisite: none*

Course Content: If you would love to learn to play the guitar, this course is for you! This is a music course for students in grade 10/11/12 with little or no previous experience on the guitar. This course is designed to teach students chords, basic music theory and history, and how to read guitar music in TAB as well as classical style. In addition to learning many songs (some will be student choice), students will learn strumming, picking, and classical techniques. The school will supply guitars and music. This is a very hands-on course and assessment will be based on student's ability to demonstrate learning on the guitar. (FA)

## INSTRUMENTAL MUSIC 12 (Guitar 12)

*Pre-requisite: Guitar 11 or permission of the music teacher*

Course Content: This course is designed as a continuation of the skills and concepts presented in Guitar 11. Further emphasis will be on developing melodic skills (lead/solo guitar), advanced note-reading skills (TAB and classical style), chords, theory, and more advanced accompaniment styles. This is a very hands-on course and assessment will be based on student's ability to demonstrate learning on the guitar. (FA)

## MUSICAL THEATRE

*Pre-requisite: student must be enrolled in Concert Band 10, 11 or 12*

MUSICAL THEATRE 10 (MUSICAL THEATRE ORCHESTRA 10)

MUSICAL THEATRE 11 (MUSICAL THEATRE ORCHESTRA 11)

MUSICAL THEATRE 12 (MUSICAL THEATRE ORCHESTRA 12)

Course Content: If you have a passion for the performing arts and enjoy playing an instrument, this class is the opportunity to build your skills while playing in the 'pit' band for the school's musical. This course is designed for serious and experienced instrumentalists with a passion for performing. Pinetree has a long tradition of producing excellent musicals (Chicago, Hairspray, Cinderella, Anything Goes, The Sound of Music, Cry Baby, etc.). These musicals attract large audiences from Pinetree and the community. This course will be programmed outside of the regular school day and will culminate in the production of our school musical in February. Course study will include weekly after-school and evening rehearsals and provide students with an opportunity to perform in and around our community. All orchestra, band (violins, cello, bass, woodwinds, brass, percussion) and contemporary instruments (electric bass guitar, keyboards) will be considered. We encourage you to play in the 'pit' band for the school's musical.

## MUSIC COMPOSITION & PRODUCTION 11

*Pre-requisite: none*

ELECTRONIC MUSIC COMPOSITION & PRODUCTION 11

(Introductory Course) Course Content: Learn the tools of the trade used by Hollywood orchestra composers and hip-hop/pop/dance music recording artists. This course is open to grade 10/11/12 students and designed as an introduction to music composition through the use of technology. No previous training in music is required! Previous music experience is helpful but not essential, as students will learn relevant music theory and basic piano keyboard skills. Classes will be a combination of classroom and individual work using a Digital Audio Workstation (DAW). Each student will be assigned a workstation. If you want to try composing music and would enjoy working with computers, this course is for you! This is a very hands-on course and assessment will be based on the ability to demonstrate learning on electronic instruments and computer controllers. (FA)

## MUSIC COMPOSITION & PRODUCTION 12

### ELECTRONIC MUSIC COMPOSITION & PRODUCTION 12

*Pre-requisite: Electronic Music Composition & Production 11*

(Advanced Course) Course Content: This course will be a continuation of Music Composition 11. Students will refine DAW skills learned in the introductory course. Elements and principles will be studied in more sophistication and depth. Students will explore different styles of music and different types of music software and electronic instruments/controllers. This is a very hands-on course and assessment will be based on the ability to demonstrate learning on electronic instruments and computer controllers. Project work will be the emphasis. (FA)

## CONTEMPORARY MUSIC 10/11/12

### ROCK SCHOOL

*Pre-requisite: None*

Course Content: Known as Rock School, this is a music course for students with all musical ability levels. Students with no musical experience are welcome. Students taking this course can expect to learn basic guitar, piano, bass guitar, singing and drumming skills as well as music performance skills including stage presence. Students will also learn basic music theory and how to use various resources for learning music. Students in this course will be expected to work collaboratively with peers to learn music of their choice and produce a performance. This is a very hands-on course and assessment will be based on the ability to learn musical skills and present them in a performance.

## STRING ORCHESTRA 10/11/12

*Pre-requisite: None*

String Orchestra classes are for students who play a string instrument including violin, viola, cello or string bass and wish to play in a directed ensemble. Students will have the opportunity to play classical and popular styles. Beginners are welcome but it is strongly encouraged that students have private lessons with an instructor outside of the school.



## PHYSICAL AND HEALTH EDUCATION

## ACTIVE LIVING 11

Active Living 11 emphasizes leadership and having fun. Students in PE 11 will enjoy a variety of team and individual sports, and recreational activities such as beach volleyball, canoeing, softball, basketball, soccer, and fitness activities. Students are expected to take an active role in creating a safe and supportive environment for students. All activities focus on the pursuit of helping all classmates and pursuing the best version of themselves. Leadership roles in large group fitness activities will be a major part of student growth and evaluation. In-school special activities may include inline skating, bubble soccer, laser tag, self-defense, canoeing, golf range and battle archery.

## ACTIVE LIVING 12

In Active Living 12 students continue to develop leadership and interpersonal skills through a variety of recreational activities. Leadership skills are developed and practiced in grade wide fitness activities. Sports activities will reflect a competitive atmosphere that is fun, friendly, and safe for all. Students will acquire skills that enable them to make a difference in and out of the classroom. They will explore and employ strategies to promote the health and well-being of the school and community. In-school special activities may include inline skating, bubble soccer, laser tag, self-defense, canoeing, golf range and battle archery.



## BASKETBALL FITNESS 11/12

Take your fitness to the next level while playing basketball the entire time. This class is loaded with fun fitness activities that are directly related to basketball. All students are welcome to take the class, although preference will be given to students who show dedication to basketball fitness activities outside the classroom.

## FITNESS 11

Get ready to take your fitness to the next level. This course is not for the faint of heart. Fitness 11 is designed for students wanting to change the way they think about getting uncomfortable and working hard. If you are ready to transform your life and choose to get fit, this is the course for you. If you are ready to discover your inner athlete, this is the course for you. If you are ready to contribute to a high intensity team approach to fitness, this is the course for you. Weight training and cross training endeavors make up the majority of fitness activities. Students will learn how to motivate themselves and others in a supportive environment and build healthy relationships to help each other reach goals they never thought possible.

## FITNESS 12

This course is an extension of Fitness 11. Physical activity level will intensify and leadership expectations will be expanded. Students will continue to build a wide variety of weight training and cross-training strategies. The role of student as a personal trainer will be emphasized with classmates and students in the physical education program. Fitness programs are customized to personal objectives with a focus on leadership skills.

## FITNESS 11 (Fitness for Women)

Fitness for Women is for both active and non-active teenage females who enjoy a wide variety of fun filled, supportive fitness and recreational activities. Students develop their personal fitness, healthy relationships, and positive self-esteem. In Fitness for Women, we emphasize leadership skill development, stress management techniques, and promoting mental well-being.

Activities typically include yoga, kickboxing, aerobic classes, dance classes, running, weight training, boot camp workouts, circuit training, aqua-fit, spin classes, core workouts and more! Field trips include activities like hot yoga, bowling, swimming, and fitness classes. Fitness for Women is a great place for you!

## FITNESS 12 (Fitness for Women)

This course is an extension of Fitness 11. Physical activity level will intensify and leadership expectations will be expanded. Students will continue to build a wide variety of weight training and cross-training strategies. The role of student as a personal trainer will be emphasized with classmates and students in the physical education program. Fitness programs are customized to personal objectives with a focus on leadership skills.

## LIFEGUARDING FITNESS 12

**COURSE FEE: \$400**

Lifeguarding Fitness 12 is a course where students will work towards certification in Bronze Medallion, Bronze Cross, Standard First Aid and CPR. This course will take place at the City Centre Aquatics Complex. It is recommended that students have completed Swim Kids 8 (under the old program) or Swimmer 6 (under the new program). A strong background in aquatics such as being a member of a swim or water polo team would also qualify. In addition to other testing, students will be required to swim 400m in 12 minutes to pass Bronze Medallion and 400m in 11 minutes to pass Bronze Cross. As this course is a partnership with the city, students are expected to be on time and attend every class. When the lifeguard candidates successfully pass the certifications, the City of Coquitlam will give them priority registration in February for the remaining courses they need to become a fully certified lifeguard. Subsequent certifications can include National Lifeguarding Courses, becoming a lifeguard instructor, and/or a swim instructor. Those courses are offered by the City of Coquitlam. Students will be certified as

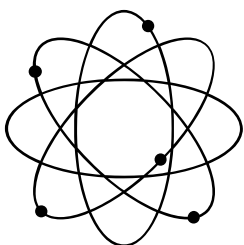
lifeguards after completion of this course followed by completion of the City of Coquitlam's courses. The course is open to students entering grades 10, 11, and 12. The fee for this course is \$400.00. If you were to take it through the City it would be \$510.00.

## PHYSICAL AND HEALTH EDUCATION 10 (PHE10)

In PHE 10 we build upon the foundations established in PHE 9. Learning objectives continue to focus on building connections and healthy thinking patterns. Fun and support come before competition, performance, and winning. Goals related to bravery, taking risks, and valuing mistakes are prioritized. Team Activities like Aussie rules football, volleyball, and basketball remain, but a shift towards individual sport and lifetime activities like tennis, archery, canoeing, golf, and self-defense become the major focus. Peer coaching and authentic self-assessment play a major role in assessment.

## VOLLEYBALL FITNESS 11/12

Take your volleyball skills and fitness to the next level with a program designed for keen volleyball players. Improve your beach volleyball, indoor volleyball, individual and team skills while playing 1 v 1, 2 v 2, 3 v 3, 4 v 4 and 6 v 6! This class is loaded with fitness activities that will take your game to the next level. All students are welcome to take the class, but preference will be given to students who show dedication to volleyball outside the classroom.



## SCIENCE



*All science courses offer a rich variety of laboratory work, theory, and critical analysis of current trends and applications of science.*

## ANATOMY AND PHYSIOLOGY 12

(formerly Biology 12)

This course encompasses two major topics of study: cellular biology and human physiology. Areas of concentration in cellular biology will focus on cell structure, cell compounds, biological molecules, DNA, protein synthesis, and cancer. The human physiology unit will emphasize the seven major body systems: circulatory, digestive, respiratory, nervous, urinary, and reproductive.

## ANATOMY AND PHYSIOLOGY 12 HONOURS/ADVANCED PLACEMENT

(formerly Biology 12H/Advanced Placement)

This course is prepared and examined by the College Board for Advanced Placement Program. The content includes: biochemistry, cell anatomy and physiology, bioenergetics, molecular genetics, and all organ systems of the human body. The course includes a large and important lab component. This course is for students who enjoy biology and wish to challenge themselves to a higher level than Anatomy and Physiology 12 offers, as well as for those who wish to get a head start on their university education. Students may elect to write the optional AP Exam, which is offered in early May. Upon completion, students will receive credit for both Anatomy and Physiology 12 and Biology 12AP (8 credits in total).

## CHEMISTRY 11

Chemistry 11 is a lab-oriented course that will introduce students to scientific methods of experimentation. The topics include: study of atoms, molecules, matter, chemical reactions, solution chemistry, and organic chemistry. A strong background in mathematics would be beneficial in this course.

## CHEMISTRY 11 HONOURS

Chemistry 11 (Honours) is the first part of the Advanced Placement Chemistry course. It covers the same topics as regular Chemistry 11 but at an AP level. Additional topics include: nuclear chemistry, phase diagrams, Raoult's Law, percent composition, purity and yield problems, quantum mechanics, and nuclear geometry. Students move through the standard curriculum more quickly than in the regular course, allowing more time for greater depth and additional topics. In this course, the nature of matter will be investigated from a theoretical and experimental approach.

## CHEMISTRY 12

Chemistry 12 builds on concepts covered in Chemistry 11 and emphasizes the interaction of atoms, molecules, and ions. The course covers the study of reaction kinetics, chemical equilibrium, acids/bases, and oxidation-reduction. The concepts are reinforced through laboratory work. Through this investigation, students will gain an increased understanding of the importance of chemistry in the modern world.

## CHEMISTRY 12 HONOURS/ADVANCED PLACEMENT

This course is prepared and examined by the College Board for Advanced Placement Program. The curriculum is the equivalent of a first-year university chemistry course. Chemistry 12AP provides students the opportunity to develop new levels of understanding in areas such as thermodynamics, kinetics, atomic structure, acids/bases and equilibrium. The course includes a large and important lab component. Students may elect to write the optional AP Exam, which is offered in early May. Upon completion, students will receive credit for both Chemistry 12 and Chemistry 12AP (8 credits in total).

## EARTH SCIENCE 11

This is a survey course designed to introduce and explore the diverse aspects of earth science. Topics include astronomy, the formation and identification of rocks and minerals, earthquakes and volcanoes, plate tectonics, geologic time, and surface processes occurring on the Earth. The course has a significant hands-on component aimed at developing both the knowledgebase and the various skills of science.

## INDEPENDENT DIRECT STUDIES: SCIENCE

This course is designed for students who have taken a senior science 12 class (Biology, Chemistry or Physics) or will be taking one of the science 12 courses concurrently. A variety of topics will be investigated both experimentally and theoretically (depending upon student background and interest), which will expand on ideas introduced in their senior science classes. The extent of the investigation will be at the discretion of the student.

## LIFE SCIENCES 11

(formerly Biology 11)

This course is designed to introduce students to the diverse adaptations and ecological relationships in a variety of living organisms. The course will cover the following topics: microbiology, mycology, plant biology, animal biology, and ecology with themes of evolutionary change throughout the course. Laboratory work is emphasized in this course.

## LIFE SCIENCES 11 HONOURS/ADVANCED PLACEMENT

(formerly Biology 11)

Biology 11 (Honours) is the first part of the Advanced Placement Biology Course. It covers the same topics as regular Biology 11 (evolution, diversity of life, and ecology) but at an AP level. Additional topics include: population genetics, plant anatomy and physiology, and animal behaviour. This is a lab-oriented course where students learn much of the course material "hands on" in the lab. There is also an emphasis on critical and creative thinking skills as well as lab-based research skills.

## PHYSICS 11

In Physics 11 students develop and use mathematics tools and experimentation to study the nature of motion and the forces affecting motion (in one and two dimensions). These are extended to the study of gravity, inertia, and conservation of energy. The course also gives an overview of the nature of waves and electric circuits.

## PHYSICS 11 HONOURS

Physics 11 (Honours) is the first part of the Advanced Placement Physics course. It covers the same topics as regular Physics 11 but at an AP level. Additional topics include: advance waves and optics. Students move through the standard curriculum more quickly than in the regular course, allowing more time for greater depth and the study of additional topics, with an emphasis on lab work and critical thinking.

## PHYSICS 12

Physics 12 is designed to provide students with grounding in the discipline of physics. The treatment of the core topics is more rigorous mathematically than in Physics 11. As well, there is a greater emphasis on the use of logical, analytical inquiry when dealing with the subject matter. Because of this detailed treatment, the range of topics is limited to two general areas – mechanics and electromagnetism, as follows: equilibrium, circular motion, universal gravitation, momentum in one and two dimensions, charges and currents, electro-magnetism, and special relativity.

## PHYSICS 12 ADVANCED PLACEMENT

This course is prepared and examined by the College Board for Advanced Placement Program. If you have an interest in physics, engineering, computing, or medical careers, you should consider AP Physics. This course is for students who wish to explore additional topics such as thermal physics, fluid dynamics, which are studied in first year physics courses. Also, topics covered in the regular physics 12 course, Newtonian Mechanics, electricity, and magnetism, are explored in greater depth here. Students may elect to write the optional AP Exam, which is offered in early May. Upon completion, students will receive credit for both Physics 12 and Physics 12AP (8 credits in total).

## SCIENCE 10

The course has four major units: Life Science – DNA, heredity, mutations, and natural selection; chemistry – reactions, and nomenclature; physics – conservation of energy (potential and kinetic); and Earth and Space Science – Big Bang Theory and astronomical data. The course will utilize a variety of learning strategies such as laboratory work, and small group work.

## SCIENCE 10 HONOURS

The Science 10H course is designed to challenge highly motivated and high achieving students in the core curricular topics for Science 10 in B.C. Students will be involved in complex activities and topics at a sophisticated and more rigorous level than regular classes.

## SCIENCE FOR CITIZENS 11

(formerly Science and Technology 11)

This course allows students to explore science and its application through technology. Topics include health science, health and healing practices, home technologies, waste recycling and disposal, combustive and explosive materials, forensic science, extreme weather events, disaster preparedness, and agricultural practices and processes.



# SOCIAL STUDIES



## 20TH CENTURY HISTORY 12

History 12 covers important world events spanning the 20th Century from the Treaty of Versailles to the collapse of the Soviet Union in 1991. The six historical thinking concepts provide the foundation of study with close attention given to historical significance and cause and consequence. Through research projects and primary and secondary source analysis, students will continue to develop historical inquiry processes and skills. Students will leave this course with a stronger understanding of the world today by examining the past.

## BC FIRST PEOPLES 12

This course looks at the unique history and the many cultural expressions that convey the richness, diversity, and resiliency of BC First Peoples. Students investigate how, through self-governance, leadership, and self-determination, BC First Nations challenge and resist Canada's ongoing colonialism, and move forward as community. Areas of study include the relationship BC First Nations have with the environment, the role of oral traditions, the impact of exchanges with non-indigenous people, and the First Nations' historical resistance against colonialism. The relationship and effect of local, provincial, and federal governments and their various laws will be explored, as well as the traditional and current BC First Nations government systems. The results of the recent 'Truth and Reconciliation' document produced by the Federal government will be examined, as well as many of the challenges facing BC First Peoples today.

## COMPARATIVE CULTURES 12

Comparative Cultures 12 equips students with skills and knowledge to understand and interpret past civilizations' diverse values, beliefs, and achievements while preparing them for potential careers in international relations, cultural anthropology, and education. This course emphasizes critical thinking and inquiry by engaging students in Social Studies processes, where they will formulate questions, gather and analyze data, and communicate their findings effectively.

Students will gain various perspectives on historical and contemporary issues and analyze and assess the continuity and change within diverse civilizations, cultural interactions, exchanges, and conflict resolution. They will examine historical processes that influenced the evolution of complex societies and the roles of power, authority, and belief systems in shaping cultures while forming ethical judgments about past and present actions.

## LAW STUDIES 12

Law 12 is an introductory law course designed to provide students with an overview of the Canadian legal system and will focus primarily on criminal law. It begins with examining the structure of the legal system that briefly alludes to historical influences, includes study of the court system, and often culminates in an opportunity for students to demonstrate their learning through an interactive criminal law simulation. The shorter unit of Civil Law can include: tort law, employment law, contract and consumer law, and family law. Law 12 will also feature an in-depth study of human rights focusing on the Canadian Charter of Rights and Freedoms. This course includes guest speakers, field trips, mock trials, illustrative cases, and the interpretation of legal documents through critical thinking and problem-solving skills – all of which directly connects to connections to careers and occupational pathways for students.

## PHILOSOPHY 12

Philosophy 12 invites students to engage with the fundamental nature of knowledge, reality, and existence while preparing them for future careers in law, education, public policy, and social advocacy. This course emphasizes philosophical inquiry processes and reasoning skills, enabling students to respond critically to major philosophical questions and arguments that pertain to contemporary social and political issues.



Examining influential philosophical questions in metaphysics, epistemology, and ethics will help students develop diverse ways of thinking. Students will assess the development and impact of various systems of thought while explaining different philosophical perspectives through multiple philosophical norms, values, and worldviews. This exploration will help students analyze the significance of current societal challenges by comparing different intellectual perspectives, investigating points of contention, and weighing the strengths and weaknesses of various arguments.

## PHYSICAL GEOGRAPHY 12

Geography can be defined as the study of our earth. This course examines both physical and human geography including human-environment interactions, mapping, plate tectonics, gradational forces, climate change, natural resource management and city planning. The curricular competencies of sense of place and geographical importance provide the overall framework for this course. Through research projects, debates, roleplay and a variety of assignments, students will develop geographic inquiry processes and literacy skills. Students will leave this course with a stronger understanding of our globally connected world.

## PSYCHOLOGY 12 (BAA) - Interdisciplinary

Psychology, students will acquire an understanding and appreciation of the human mind to make sense of what people think, feel, and do. Psychology is both an academic and applied field of study that also includes cross-curricular components in both the sciences and humanities. Topics may include, but are not limited to: the nervous system, sensation and perception, emotion, personality, consciousness, and psychological disorders. The course is taught through the Social Studies 12 curricular skills such as critical thinking, analysis, inferring, and use of evidence, students will get to engage in a variety of activities to demonstrate learning, such as use of VR headsets and labs. Sometimes this course includes guest speakers who work in the Psychological field.

## SOCIAL JUSTICE 12

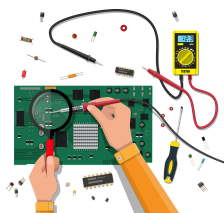
Social Justice 12 prepares students for careers in advocacy, counselling, law, social work, and public service by developing critical thinking skills about systemic inequities and power dynamics. Through project-based learning, students gain practical skills in cross-cultural communication and research, preparing them to address complex social issues. This course develops cultural competency through exploring marginalization across racial, ethnic, religious, gender, and socioeconomic differences - essential skills for today's diverse world and workforce.

## SOCIAL STUDIES 10

In Social Studies 10, students will learn more about themselves, each other, and the world we inhabit. In this course, students will develop critical thinking skills and understand how Canada, during the 20th Century, has been influenced by conflict, political decisions, ideology, changes in society, history, and geography. Students will demonstrate competency with the curriculum by conducting effective inquiry and research techniques. Students completing Social Studies 10 will have a sense of their place in Canada's past and present and their role in shaping the future.

## SOCIAL STUDIES 10 HONOURS

Honours 10 students require excellent fluency in oral and written English, sophisticated and precise vocabulary, good control of organization, and mastery of grammar and mechanics. The course develops higher-level thinking skills as well as linkage to current events unfolding in the world today. There will be more focus on academic writing, reflective capacity, analysis skills, and persuasive skills in the Honours program. There will also be greater opportunities for in-depth focus on historical events that are sometimes challenging to evaluate, requiring a mature and capable student who will explore the topics in a respectful and thoughtful manner. Acceptance to Honours classes will be determined by a student's strong, genuine passion for the subject. It will also consider their willingness to learn for the sake of learning, and receptivity to feedback and overall self-improvement.



# TECHNOLOGY EDUCATION

***Pinetree's Technology Education (Tech Ed) programs offer a variety of exciting and fun focus areas designed for all students. Grade 11 courses are open to grade 10/11/12 students, and grade 12 courses are open to grade 11/12 students, if they have completed the Pre-requisite. Take part in the fun and challenge of exploring, designing, creating, and problem solving.***

***'Tech Ed' is definitely a 'hands-on' experience where learning comes from doing. Try something new! Try Tech Ed!***

## AUTOMOTIVE TECHNOLOGY

### AUTOMOTIVE TECHNOLOGY 11

*Pre-requisite: none*

This course is designed to provide a basic education in areas related to the automotive industry. Students are permitted as much latitude as possible to develop their skills from either a general interest or a career point of view. This course is a mixture of related theory and practical experience. Emphasis is on general concepts and theories as well as shop safety and the correct use of tools and equipment used in the maintenance and repair of automobiles. (AS)

### AUTOMOTIVE TECHNOLOGY 12

*Pre-requisite: Automotive Technology 11*

This level 2 course builds upon the groundwork of Automotive Technology 11. Further theoretical work and comprehensive practical work are undertaken. The course's scope is limited only by the student's interest and ability. Emphasis is placed on practical experience, work organization, and theoretical knowledge. (AS)

### AUTOMOTIVE TECHNOLOGY 12: Engine & Drive Train

*Pre-requisite: Automotive Technology 12*

This level 3 course is for career focused students wishing to enter the automotive industry and for students wanting more practical experience in an automotive shop. The course focuses on "engines and drive trains" with emphasis on "hands-on" work. (AS)

### VEHICLE OWNERSHIP & MAINTENANCE 11 (VO&M)

*VO&M 11 is not a pre-requisite leading to Automotive 12*

VO&M 11 is a hands-on course offered to all Pinetree students and is designed to help students become empowered automobile users. The course is offered to grade 10, 11 and 12 students and will cover everything from how to get your driver's license to how to select, insure, operate, and maintain a vehicle. You will learn how to do basic vehicle maintenance and work with a service professional to get more serious work done on your car. Once students complete the fundamentals, they will have the option to take their learning to the next level and perform basic repair procedures. This is a fun course and does not require any prior automotive experience. It is not intended for those considering the automotive trade. This course should appeal to any new or soon to be new driver!

## CARPENTRY & JOINERY

### WOODWORK 11

*Pre-requisite: none*

Woodwork 11 is a fun, hands-on, entry level course similar in design to Woodwork 9. It is intended for grade 10 through 12 students with little or no woodwork experience. Students new to woodwork earn a grade 11 credit while following a beginner curriculum focused on safe skill building. Students will explore the fundamentals of woodwork while building several small projects. All the major machine tools will be taught so students can work safely and

successfully. If you are thinking about a career in the woodwork industry, or you just want to design and build cool stuff, then Woodwork 11 is the place to be. (AS)

**NOTE: Those students returning from Woodwork 9 should sign up for WOODWORK 12.**



## WOODWORK 12

*Pre-requisite: Woodwork 9 or 11*

Woodwork 12 is a second level course where students will learn by doing, taking the skills they acquired in beginner Woodwork 9/11 to the next level. We begin with a series of skill building projects designed to teach tool use and processes at the intermediate level. Then we learn how to safely add next level tools and techniques to our skills list so students are more independent and can build more involved projects. We then use these skills to build our custom major project. This may also involve the use of our laser engraver (see below pics) to enhance and personalize our designs. The focus of this course is on learning by making, doing, and creating beautiful things! (AS)



## FURNITURE & CABINETRY 12

*Pre-requisite: Woodwork 12*

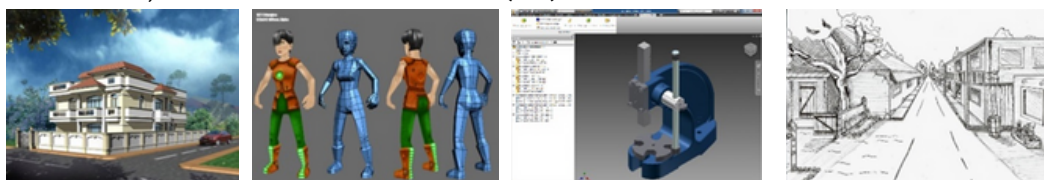
Furniture and Cabinetry 12 is a third level course that will focus on furniture construction, quality design, a variety of materials (primarily solid wood), joinery, construction techniques, jig and fixture use, and wood finishing. Students will be assigned a series of skill building projects and will spend most of their class time building and making. Once these assigned projects are completed, students can design, plan, and build custom pieces of furniture or high-end wooden objects within guided themes. Students will be involved in all stages of the decision-making process and, to a large extent, will determine the direction and success of their experience. Furniture and Cabinetry 12 is designed for students who really enjoy working with wood, want to learn more and develop their skills, and want to build beautiful things. (AS)



*Pre-requisite: none*

## DRAFTING & DESIGN 11

Drafting 11 is a fun, hands-on entry-level course providing students with a chance to explore various areas of drafting and design. Students will begin with an introduction to basic drafting, with both hand and computer skills being covered, and will primarily focus on the 3D environment. Software such as AutoCAD, Inventor, 3D Max, Blender, SketchUp, and Adobe Illustrator will be taught and students can download free versions at home for further personal development. The remainder of the course will focus on using and developing these skills to solve real world design problems in architecture, interior design, engineering, animation and product design focused areas. The course concludes with a group assignment involving the culmination of all skills covered during the course. In this final challenge, students will design and create their dream home. If you have any questions about the course, see Mrs. Shotton in B101. (AS)



## DRAFTING 12

*Pre-requisite: Drafting & Design 11*

Drafting 12 is an intermediate to advanced level course for those with basic experience in drafting who wish to further pursue these interests. The goal will be to develop skills in architecture, interior design, engineering, computer animation and product design. Students will focus on exploring various forms of 3D modeling whilst considering form, function, structure, design principles & elements, cultural & historic influences, prominent designers, architectural styles, 2D & 3D sketching, and technical drawing. If you have any questions about the course, see Mrs. Shotton in B101. (AS)

## DRAFTING 12

### Advanced Design Independent Study (IDS)

*Pre-requisite: Drafting 11 & Drafting 12*

Drafting 12 (IDS) is an advanced level 3 course designed as a guided independent study (IDS) where students will explore and develop their design passions. Students must have completed Drafting (see above) before taking this course. At this level, some form of liaison with local companies and institutions will be developed to allow the student to experience the “real world” of design firsthand. The course will also include a portfolio development unit in which students will acquire skills and materials useful to them in future employment and academic applications. Possible areas include architecture, mechanical drawing, animation, CAD/CAM, engineering, fashion design, sign making, and commercial design. If you have any questions about the course, see Mrs. Shotton in B101. (AS)

## OTHER

## ART METAL & JEWELRY

*Pre-requisite: none*

Art Metal & Jewelry 12 is an introductory course open to students of all abilities from grades 10 through 12 who love the idea of designing and creating jewelry and artistic metalwork. Intended topics will include: design, sketching & drawing, safety, tool use, fabrication, wirework, jump ring jewelry, chainmail, forming and texturing. Projects will be based on student interest and will embody certain skills within themes. We make items such as rings, pendants, earrings, bracelets, hammered copper work, metal sculpture, castings, coin jewelry, and more. If working with metal and related materials to make jewelry and other cool things sounds like fun, then this is the course for you! (AS)



## POWER TECHNOLOGY & ENGINEERING 11

*Pre-requisite: none*

This course is geared toward the mechanically inclined student looking for an introduction to mechanical engineering systems and manufacturing. This hands-on project-based course is open to students in grades 10, 11 and 12. We will be building various mechanical machines and systems that will be powered in various ways. Students will use tools, machines, and processes to solve design challenges related to energy and power. Various types of mechanical systems such as small engines, bicycles, hydraulic, pneumatic, electromagnetic devices, and motors are included to explore the practical applications of the concepts & theories taught in academic courses. A strong focus is placed on shop safety and the proper use of tools, equipment, and shop procedures. (AS)

## ENGINEERING 12

*Pre-requisite: Power Technology & Engineering 11*

This is the next course following Engineering 11. This hands-on project-based course is open to students in grades 11 and 12 who have already successfully completed Engineering 11. We will continue with the design process which incorporates the use of mechanical machines and systems that are powered in various ways. Students will use tools, machines, and processes to solve design challenges related to energy and power. Various types of mechanical systems such as small engines, bicycles, hydraulics, pneumatics, electromagnetic devices, and motors will be included to explore the practical applications of the concepts & theories taught in academic courses. A strong focus is placed on shop safety and the proper use of tools, equipment, and shop procedures. (AS)



# Coquitlam Open Learning and Coquitlam Continuing Education

Coquitlam Open Learning offers:

1. Flexible-Paced Online courses offer an entirely online experience supported by teachers embedded in district secondary schools;
2. Self-Paced Learning Centre courses offers our adult students a daily drop-in support opportunities at our CLOC Learning Centre;
3. Fast-Track blended courses (provided during the summer months) include some scheduled face-to-face classes and paced instruction to help you meet your goals within specific timelines.

For more information regarding specific course offerings please visit the COL website and/or Coquitlam Continuing Education website at: [Online.SD43.bc.ca](http://Online.SD43.bc.ca).



## 2025-2026 COL 10-12 Program Offerings

[online.sd43.bc.ca](http://online.sd43.bc.ca) 604-936-4285

1432 Brunette Avenue, Coquitlam

COL offers an extensive list of Secondary online (continuous entry) options, including:

Grade 10 Academic	Grade 11 Academic	Grade 12 Academic	Unique/Blended Electives
8618 - Career Life Education (CLE) 10 8627 - Education Au Choix De Carrier Et De Vie 10 (French CLE 10) 8630 - French 10 8483 - Math 10 Foundations & Pre-Calc. 8656 - Math 10 Workplace 8645 - Physical and Health Education 10 8648 - Science 10 8649 - Social Studies 10 8622 - ** (ELA) Composition 10 8624 - ** (ELA) Creative Writing 10 8639 - ** (ELA) Literary Studies 10 8643 - ** (ELA) New Media 10 8652 - ** (ELA) Spoken Language 10	8588 - Chemistry 11 8590 - Life Sciences 11 8591 - Physics 11 (CLOC) 8593 - Science for Citizens 11 (CLOC) 8623 - Composition 11 8625 - Creative Writing 11 8640 - Literary Studies 11 8644 - New Media 11 8653 - Spoken Language 11 8631 - French 11 (CLOC) 8633 - Introductory Japanese 11 (CLOC) 8636 - Japanese 11 (CLOC) 8634 - Introductory Mandarin 11 (CLOC) 8641 - Mandarin 11 (CLOC) 8635 - Introductory Spanish 11 (CLOC) 8650 - Spanish 11 (CLOC) 8576 - Accounting 11 (CLOC) 8657 - Math 11 Workplace 8629 - Math 11 Foundations 8646 - Math 11 Pre-Calculus 8612 - Explorations in Social Studies 11 (CLOC)	8617 - Anatomy and Physiology 12 8621 - Chemistry 12 8602 - Composition 12 (CLOC) 9523 - Contemp. Indigenous Studies (CLOC) 8626 - Creative Writing 12 8628 - English Studies 12 8581 - Spoken Language 12 (CLOC) 8607 - English First Peoples 12 (CLOC) 8619 - Career Life Connections 12 8632 - French 12 (CLOC) 8637 - Japanese 12 (CLOC) 8642 - Mandarin 12 (CLOC) 8608 - Calculus 12 (CLOC) 8584 - Math 12 Foundations (CLOC) 8647 - Math 12 Pre-Calculus 8651 - Spanish 12 (CLOC) 8482 - 20 <sup>th</sup> Century World History 12 8611 - Comparative Cultures 12 (CLOC) 8595 - Geography 12 (Physical) (CLOC) 8594 - Law Studies 12 (CLOC) 8592 - Physics 12 (CLOC) 8579 - Tourism 12 (CLOC) 8598 - Child Dev. & Caregiving 12 (CLOC) 8578 - Food Studies 12 (CLOC) 8596 - Active Living 12 (CLOC) 8599 - Fitness and Conditioning 12 (CLOC)	8577 - Career Life Education 12 (CLOC) - Adult Grad only 8654 - Work Experience 12  <div> <b>Youth Work in Trades</b> Formerly Secondary School Apprenticeship. Earn hours towards trade certification while gaining up to 4 high school courses. Go to: <a href="http://43Careers.com">43Careers.com</a> </div> <div> <b>See links to all of our courses and register at</b> <a href="http://Online.SD43.bc.ca">Online.SD43.bc.ca</a> </div> We also offer 'Fast Track' courses during summer. Blended programs from early July to mid August.

**\*\* (ELA) English Language Arts 10 = 4 Credits**  
(Requires 2 of the above 2-credit courses.)

Three types of learning environments:

- Online (Continuous Entry):** flexible pacing, communication is predominantly via online tools.
- Blended (Online blended):** specific start/end dates, regularly scheduled face-to-face classes as well as working online.
- CLOC (Adult Learning Center):** continuous entry, includes both paper-based and online courses, learning support hours, only for students 16+ or with permission.

COL is pleased to offer a range of learning supports including:

- Support teacher in every SD43 secondary school
- Write tests and get support right in your home school
- Ongoing local drop-in support
- Extra testing and online support in the evenings
- Language Lab support hours

Register at: [Online.SD43.bc.ca](http://Online.SD43.bc.ca) Any issues registering, please call 604-936-4285 (When looking for a course, search using the 4 digit number before the course name.)



# “Youth **TRAIN** in Trades” Programs

visit [43Careers.com](http://43Careers.com) or email [Ben King \(BKing@sd43.bc.ca\)](mailto:BenKing@sd43.bc.ca)



Trade Name	Program Details				
	Usually taken in	Student Cost	Length, Intakes & High school Credits	Location of Program	Pre-requisites
<b>Aircraft Maintenance Engineer (Cat “M”)</b>	Grade 12	≈ \$600	Intakes: Aug, Jan + May 16 weeks (16 credits)	BCIT - Richmond (near South Terminal airport)	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li>Auto 11 and ideally Auto 12 (or related experience)</li> <li>Physics 11</li> <li>any Math 11 (C+)</li> <li>pass: BCIT Mechanical Reasoning Assessment</li> </ul>
<b>Appliance Service Technician</b>	Grade 12	≈ TDB	Intakes: Sept + Apr 39 weeks (40 credits)	KPU - Cloverdale	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li>Electricity 10, 11 or 12 <u>or</u> a Robotics class</li> <li>Chemistry 11 and/or Physics 11</li> </ul>
<b>Automotive Service Technician</b>	Grade 12	≈ \$400	Intake: Feb all of semester 2 (16 credits)	Centennial	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li>any Math 11 (C+)</li> <li>Auto 11 and Auto 12 (C+), <u>or</u> Auto 11 (B) and Physics 11</li> </ul>
<b>Auto Collision &amp; Refinishing Tech</b>	Grade 12	≈ \$1,800	Intakes: Sept + Feb VCC – 35 weeks (28 credits) BCIT – 40 weeks (32 credits)	VCC – Broadway BCIT – Burnaby	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li>any Auto 11 class (recommended)</li> <li>any Metal/Weld class (helpful, not necessary)</li> </ul>
<b>Baker</b>	Grade 12	≈ \$2,200	Intake: mid-July to mid-Dec 23 weeks 24 credits	VCC - Downtown	<ul style="list-style-type: none"> <li>Complete gr 11</li> <li>VCC questionnaire + short PowerPoint portfolio</li> <li>Food Safe Level 1 (certified before intake date)</li> </ul>
<b>Cabinet Maker (Joiner)</b>	Grade 12	≈ \$700	Intakes: Aug, Oct + Mar 25 weeks (28 credits)	BCIT - Burnaby	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li>any Math 11 (C+)</li> <li>Wood 11 <u>and</u> Wood 12</li> </ul>
<b>Carpenter</b>	Grade 12	≈ \$450	Intake: Feb all semester 2 (16 credits)	Terry Fox <u>and</u> BCIT – Burnaby (6 wks)	<ul style="list-style-type: none"> <li>Wood 11 (and ideally Wood 12)</li> <li>any Math 11 (C+)</li> <li>Drafting + Design 11 (recommended)</li> </ul>
<b>Professional Cook</b>	Grade 12	≈ \$400	Intake: Feb all semester 2 (16 credits)	Gleneagle or Centennial or Riverside	<ul style="list-style-type: none"> <li>Cook Training 11 <u>and/or</u> 12 <u>or</u> Foods &amp; Nut. 11 <u>and/or</u> 12 (ideally two or three of them)</li> <li>Food Safe Level 1 (certified before intake date)</li> </ul>
<b>Construction Electrician</b>	Grade 12	≈ \$350	Intake: Sept all semester 1 (16 credits)	Dr. Charles Best	<ul style="list-style-type: none"> <li>Full completion of grade 11</li> <li>Math 11: Found / Pre-Calc (C+) <u>or</u> Workplace (B)</li> <li>Physics 11</li> <li>any Tech Ed 10-12 course</li> </ul>
<b>Hairstylist</b>	Grade 12	≈ \$3,000	Intakes: Sept, Oct, Jan, Mar + May 40 weeks (40 credits)	VCC - Downtown	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for English 12</li> </ul>
<b>Heavy Duty Mechanic</b>	Grade 12	≈ \$1,800	VCC Intakes: Sept + Feb BCIT: Sept, Oct, Feb, Apr, May + June 36 weeks (28 credits)	VCC - Broadway BCIT - Burnaby	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li>any Math 11 (B)</li> <li>Auto 11 (B) <u>and</u> Auto 12 (B)</li> </ul>
<b>Ironworker</b>	Grade 12	≈ \$400	Intakes: Jan (first week) + July 23 weeks (20 credits)	BCIT – Burnaby	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li>Metal/Weld 11</li> </ul>
<b>CNC-Machinist</b>	Grade 12	≈ \$1,300	Intake: Sept + Jan (first week) 25 weeks (24 credits)	BCIT – Burnaby	<ul style="list-style-type: none"> <li>Metal 11 and/or Wood 11</li> <li>Basic knowledge of Fusion 360 software</li> <li>Pass: BCIT Math Trades Entry Assessment</li> </ul>
<b>Landscape Horticulturist</b>	Grade 12	≈ \$650	Intake: Feb 6 weeks (8 credits)	KPU – Langley	<ul style="list-style-type: none"> <li>Any Math 11 (C+)</li> <li>Any Science 11</li> <li>Interest in working with plants and landscapes</li> </ul>
<b>Marine Mechanical Tech</b>	Grade 12	≈ \$500	Intakes: Sept + Feb 26 weeks (28 credits)	BCIT – Annacis Island	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li>Auto, Metal <u>and/or</u> Electricity (recommended)</li> <li>any Math 11 (C+)</li> </ul>
<b>Metal Fabricator</b>	Grade 12	≈ \$400	Intakes: Sept + Feb 23 weeks (20 credits)	BCIT – Burnaby	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li>Metal/Weld 11 (and ideally Metal/Weld 12)</li> <li>any Math 11 (C+)</li> </ul>
<b>Millwright</b>	Grade 12	≈ \$1,200	BCIT Intakes: Sept + Feb KPU Intake: Feb 24 weeks (24 credits)	BCIT – Burnaby KPU - Cloverdale	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li>Math 11: Found / Pre-Calc (C+) <u>or</u> Workplace (B)</li> <li>at least one Tech Ed 11-12 course</li> </ul>
<b>Motorcycle Mechanic</b>	Grade 12	≈ \$500	Intakes: Sept + Feb All sem 1 <u>or</u> all sem 2 (16 credits)	BCIT - Burnaby	<ul style="list-style-type: none"> <li>Full completion of grade 11</li> <li>Auto 11 <u>or</u> related experience</li> </ul>
<b>Commercial Painter</b>	Grade 11 or 12	≈ \$0	Intake: mid-June 6 weeks (8 credits)	Fin. Trades Inst. - Surrey	<ul style="list-style-type: none"> <li>Full completion of grade 11</li> <li>English 11 <u>or</u> 12</li> </ul>
<b>Parts Technician</b>	Grade 12	≈ TDB	Intake: March 20 weeks (20 credits)	KPU – online	<ul style="list-style-type: none"> <li>Full completion of grade 11 (including Eng 12)</li> <li>Good organizational and time mgmt. skills</li> <li>Accounting 11 (recommended)</li> </ul>
<b>Plumber</b>	Grade 12	\$0	Intake: start of Sem 2 – mid-July 24 weeks 24 credits	Gleneagle (potentially some weeks at BCIT)	<ul style="list-style-type: none"> <li>any Math 11 (C+)</li> <li>recommended: any Tech Ed 10-12 course</li> </ul>
<b>Refrigeration Mechanic</b>	Grade 12	≈ \$900	Intake: Sept 25 weeks (24 credits)	BCIT – Burnaby	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li>Physics 11</li> <li>Chem 11 and Math 12 (strongly recommended)</li> <li>Electricity (recommended)</li> <li>Pass: BCIT Mechanical Reasoning Assessment</li> </ul>
<b>Security Systems Technician</b>	Grade 12	≈ \$1,100 plus tools	Intakes: November + April 28 weeks (28 credits)	BCIT – Burnaby	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li>“Security Worker License” (prior to being accepted)</li> <li>any Math 11 (C+)</li> </ul>
<b>Sheet Metal Worker</b>	Grade 12	≈ \$400	Intakes: Sept All semester 1 (16 credits)	BCIT – Burnaby	<ul style="list-style-type: none"> <li>Full completion of grade 11</li> <li>any Math 11 (C+)</li> <li>Metal/Weld 11 (recommended)</li> </ul>
<b>Welder</b>	Grade 12	≈ \$800	BCIT Intakes: Aug, Sept, Nov, Jan + Mar PIC intakes: Sept, Jan + Mar both are 28 weeks (28 credits)	BCIT – Burnaby Piping Ind. Coll. (PIC) - Annacis Island	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li>any Math 11 (C+)</li> <li>Metal/Welding 11 (ideally Metal/Weld 12)</li> </ul>

## “Youth **EXPLORE** in Trades” Programs

visit [43Careers.com](https://43careers.com) or email **Ben King** ([BKing@sd43.bc.ca](mailto:BKing@sd43.bc.ca))



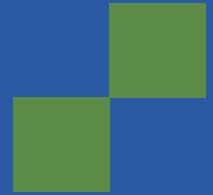
Trade Program	Program Details				
	Usually taken in	Cost	Time & High school Credits	Location of Program	Pre-requisites (recommendations)
<b>Trades Sampler “Motors &amp; Engines”</b>	Grade 11 or 12	Free	1 intake: early Feb 10 weeks (12 credits)	VCC - Broadway	<ul style="list-style-type: none"> <li>Grade 10 or 11 core/requirements</li> <li>any Math 11 (C+)</li> <li>pass 3 BCIT assessments (45 mins each): English, Mechanical Reasoning + Math</li> </ul>
	The February 2022 focused on three trades: “Auto Service Technician”, “Auto Collision + Refinishing Technician” and “Heavy Duty Mechanics” Students also earned their forklift certification.				
	Usually taken in	Cost	Time & High school Credits	Location of Program	Pre-requisites (recommendations)
<b>Trades Discovery</b>  (“General” and “Women” Intakes)	Grade 12	Free	Three intakes: September, January + May 4 months (16 credits)  Note: very competitive to get a seat, only 2 reserved seats, per intake, for all Lower Mainland	BCIT (Burnaby mostly, but will visit their other 3-4 campuses)	<ul style="list-style-type: none"> <li>Completion of grade 11 core/requirements</li> <li>any Math 11 (C+)</li> <li>do/pass 3 BCIT assessments: English, Mechanical Reasoning + Math</li> </ul>
	Students in recent intakes experienced 1-4 days in each of the following areas: • TRADES = Aerospace, Motorcycle Mech, Auto Collision, Auto Service Tech, Sheet Metal, Carpentry, Welding, Electrical, Machinist, Millwright + Marine • TRAINING & CERTIFICATIONS = might include: General Safety, WHMIS, OFA 1, Fall arrest/protection, Hilti, Fit Test, Forklift + Fire Protection				
	Usually taken in	Cost	Time & High school Credits	Location of Program	Pre-requisites (recommendations)
<b>Skills Exploration 10-12</b>	gr 10s + 11s	Free	Sem 1 or 2, depending on school's timetabling. Course is 4 credits	Presently offered at: CABE, Dr. Ch. Best, Gleneagle, Heritage Woods, Riverside + Terry Fox	<ul style="list-style-type: none"> <li>None, ideally the student is using this course as a chance to learn more about a few trades and gain some hands-on skills that might lead to further investigation of the TRAIN programs</li> </ul>
	Depending on the teacher's offerings, students will experience 4 trades (3 from 'must' list + 1 optional) over a semester that are selected from: • MUST (3-4 of): Automotive Service Tech, Baker, Cook, Carpenter, Design + Drafting, Electrician, Electronics + Robotics, Metal Worker or Welder • OPTIONAL examples (0-1 of) = Horticulturalist, Tiler, Painter, Hardwood Floorer, Auto Painter, Auto Collision Repairer, Cabinet Maker, Sheet Metal Worker...				
	Age Requirement	Cost	Time & High school Credits	Location of Program	Pre-requisites (recommendations)
<b>Enhanced Bridge Watch Program</b>  “begin your career at sea... working on ferries, tugboats, deep-sea vessels...”	By the end of the program, students must be between 18-26 yrs old (open to grads)	Free	<ul style="list-style-type: none"> <li>Oct 16, 2023 – Feb 2, 2024</li> <li>Nov 6, 2023 – Mar 15, 2024</li> <li>Jan 22, 2024 – Apr 19, 2024</li> <li>plus more: TDB</li> </ul> 20 credits	BCIT – North Vancouver campus  Note: there may be some online components	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li>any Math 11 (C+)</li> </ul>
	In addition to “BCIT Bridge Watch Rating Assoc. Cert.” and “Transport Canada Bridge Watch Rating Cert.”, you will also earn: <ul style="list-style-type: none"> <li>WHMIS (BCIT Workplace Hazardous Materials Information System)</li> <li>ROC-MC (Industry Canada Restricted Operator's Certificate – Maritime Commercial)</li> <li>MBFA (Marine Basic First Aid Certificate)</li> <li>BST (STCW Basic Safety Training)</li> <li>PSC (STCW Proficiency in Survival Craft)</li> </ul>				

## “Youth **WORK** in Trades” Program

visit [43Careers.com](https://43careers.com) or email **Joanna Horvath** ([jhorvath@sd43.bc.ca](mailto:jhorvath@sd43.bc.ca))



Course Name(s)	Program Details				
	Open to	Student Cost	High school Credits	Location of Program	Requirement
<b>Work 11a, 11b, 12a + 12b</b> (4 courses in total)	gr 10s, 11s, 12s + 1 <sup>st</sup> year after grad	Free	For each 120 hrs worked in a trades, plus online course work, you receive 4 credits, up to 16 credits	in the community as a tradesperson with a company	<ul style="list-style-type: none"> <li>you are presently working with as a <u>paid</u> tradesperson</li> <li>you were recently working with as a <u>paid</u> tradesperson... able to backdate up to 240 hrs towards your course hours</li> </ul>



Courage  
Integrity  
Loyalty

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