

Course Planning Guide 2020 - 2021



POINT GREY SECONDARY

5350 East Boulevard, Vancouver, BC V6M 3V2
Telephone: (604) 713-8220 ▪ Fax: (604) 713-8218

School Website: <http://www.vsb.bc.ca/schools/point-grey>

Parent Website: <https://www.pointgreyparents.org>

WHERE TO FIND IT . . .

Page (s)

Course Descriptions:

Advanced Placement	7
Applied Design, Skills & Technologies	
▪ Applied Design, Skills & Technologies	8
▪ Career Life Education 10	8
▪ Business Education	8
▪ Home Economics (Foods, Textiles, Psychology)	9
▪ Information Technology	10
▪ Technical Studies	8
English	11, 12
English Language Learners	10
Fine Arts	13, 14
Mathematics	15, 16
Modern Languages	17, 18
Performing Arts	19, 20
Physical Education	21
Science	22
Service Based Senior Electives: Community Service 11, Peer Tutoring 12	3
Social Studies	23

Course Planning Guidelines	1
External Credits	3
Extra-Curricular Activities	6
Graduation Requirements	2
Guidelines for:	
Study Block, Summer School (Completion & Remedial), Online Learning	3
Language Challenge	3
Learning Support Programs / Services	3
Mini School Program	4, 5
Post Secondary Information	24
Student Support Services	4

WELCOME TO POINT GREY SECONDARY

stəywəte:n

5350 East Boulevard, Vancouver, BC V6M 3V2
Telephone: (604) 713-8220 ▪ Fax: (604) 713-8218

School Website: www.vsb.bc.ca/schools/point-grey
Parent Website: www.pointgreyparents.com

Principal: Mr. N. Akrap

Vice Principal: Mr. A. Humphries

Counsellors: Ms. L. Agius
Grade 9

Mr. I. Baxter
Grade 12

Mr. C. Cordoni
Grade 10

Ms. J. Sim
Grade 11

T.B.A.
Grade 8

COURSE PLANNING GUIDELINES

The course descriptions in this guide have been drawn up by Department Heads in order to provide students and parents with some guidance in the selection of courses. Some courses prescribed by the Ministry of Education are compulsory; other courses are elective and may be selected by the students.

Considerable effort has been made to offer courses that provide choices for students so that they may meet graduation requirements and also concentrate on areas of special interest.

Students are required to take a minimum of 80 credits over Grades 10, 11 and 12 in order to receive the Dogwood Graduation Diploma. Students are encouraged to take a program which is balanced but also relevant to their post secondary focus. It is highly recommended that all students research post secondary prerequisite courses when making long-range plans.

Every student will have an individual schedule which must operate within the framework of facilities, staff availability, time allotments, graduation requirements (set by the Ministry of Education), post-secondary entrance requirements, and student choice. Scheduling of student choices is done by computer. Because there are so many choices available a number of "conflicts" may occur in the creation of the school's timetable and the scheduling of students' first choice subjects. These conflicts will not prevent development of a graduation program, but may affect the choice of courses (example, two courses offered only once falling in the same time period). Every effort will be made to provide students with the courses desired.

All students in Grades 8 through 11 must take eight courses at Point Grey. All students in Grade 12 must take seven courses at Point Grey. The task for now is to plan your courses carefully and ensure a great start to your next school year.

Parents who have questions about course selection are invited to contact the appropriate counsellor.

How to Make Maximum Use of This Course Planning Guide

- 1 Study the graduation requirements
- 2 Study the Course Planning Guidelines and carefully read the course descriptions.
- 3 Choose the program and course sequence which you feel is most suitable to your interests, abilities and possible future studies.
- 4 If you are in doubt about any aspect of your program, or if you have any questions not answered in this guide, see your counsellor for assistance.

Course Planning Night for Parents
WEDNESDAY, JANUARY 29, 2020
6:30 pm

**Room Locations for the Counsellors
will be Posted by the Main Office**

CURRENT GRADUATION REQUIREMENTS

To graduate students must earn 80 credits in Grades 10 - 12

REQUIRED COURSES [52 credits]

- English 10 Combination [4 credits]
- An English 11 [4 credits]
- English Studies 12 [4 credits]
- Social Studies 10 [4 credits]
- Social Studies 11 and/or Social Studies 12 [4 credits]
- Science 10 [4 credits]
- A Science 11 and/or 12 [4 credits]
- Mathematics 10 [4 credits]
- Mathematics 11 and/or 12 [4 credits]
- Physical & Health Education 10 [4 credits]
- A Fine Arts or Applied Design, Skills & Technologies 10-12 ... [4 credits]
- Career Life Education 10 [4 credits]
- Career Life Connections 12 / Capstone Project [4 credits]

ELECTIVES [28 credits]

Students must earn a minimum of 28 credits.

Minimum 16 credits at the grade 12 level (all ministry-authorized board/ authority-approved courses count).

Students select courses of varying credit value to support their career plans (eg. apprenticeship, vocational, technical, university, college, entry to work force).

It is the responsibility of every student to ensure that they complete the necessary sequence of courses leading to graduation, and that they meet the entrance requirements of the post-secondary institution of their choice.

GRADUATION REQUIREMENTS GRADES 10 – 12

Students Entering Grade 10 Must Successfully Complete:	Students Entering Grade 11 Must Successfully Complete:	Students Entering Grade 12 Must Successfully Complete:
<ul style="list-style-type: none"> ▪ An English 10, Social Studies 10, Mathematics 10, Science 10, Physical and Health Education 10, and Career Life Education 10 ▪ An Arts Education or an Applied Design, Skills and technologies (over Grades 10, 11 or 12) ▪ The Grade 10 Provincial Numeracy and Literacy Assessments 	<ul style="list-style-type: none"> ▪ An English 11, a Social Studies 11 and/or 12, a Mathematics 11 and/or 12, a Science 11 and/or 12 ▪ An Arts Education or an Applied Design, Skills and technologies (over Grades 10, 11 or 12) ▪ The Grade 10 Provincial Numeracy and Literacy Assessments if NOT completed in grade 10 	<ul style="list-style-type: none"> ▪ An English 12, a Social Studies 11 and/or 12, a Mathematics 11 and/or 12, a Science 11 and/or 12, and Career Life Connections 12/Capstone Project ★ ▪ An Arts Education or an Applied Design, Skills and technologies (over Grades 10, 11 or 12) ▪ The Grade 12 Provincial Numeracy and Literacy Assessments

★ **Career Life Connections 12 (CLC)**

All grade 12 students will complete this mandatory course comprised of three main areas of study:

Personal Career-Life Development, Connections to Community, and Career-Life Planning

In addition, students will be required to complete and present a Capstone Project. The goal of the project is to demonstrate reflection on personal learning and achievement (in and out of school), growth in the core competencies and a post-graduation plan.

This course will be scheduled as an off-timetable course and teachers will have flexibility with regards to the frequency and timing of class meetings.

LANGUAGE CHALLENGE PROCEDURES

The purpose of Language Challenge is to acknowledge language acquisition which corresponds to the learning outcomes in the provincial curriculum for certain grade 11 and 12 language courses. Students submit an application in early October then the exam is written in January and will constitute the school mark. A successful Challenge results in a mark which is recorded on the student's transcript upon graduation. For more information see your counsellor or visit the website: <http://web.deltasd.bc.ca/content/schools/secondary/challengeexams>

EXTERNAL CREDITS

The Ministry of Education recognizes some learning done outside of the BC school system. Please see your grade counsellor or grade administrator for details.

SERVICE BASED SENIOR ELECTIVES

Community Service 11

This is a four credit elective course in which enrolment is limited to Grade 12 students. Teachers will submit a request for a Community Service placement and be responsible for supervising the student during their Community Service block. Students may assist teachers in various departments. A Community Service student may work for any teacher who can provide the student with a suitable assignment. The student is evaluated by the teacher and receives a letter grade for each reporting session. Marks for Community Service 11 are not included on the Honour Roll and time in this course cannot be used for service points.

Peer Tutoring 12

An elective four credit course open to all grade 11 and 12 students. The tutors provide one-to-one individualized instruction or small group support to other students. During course sign up students must commit to tutor in one of the following areas:

- Skills Development
- Life Skills (LS)
- LA Life Skills (LA/LS)
- or in-class academic tutoring of grades 8 and 9

GUIDELINES FOR . . .

Granting of a Study Block

Grade 12 students must take seven courses, one of which may be a Community Service block. The eighth period may be a study block.

Summer School

Preview, ELL, Remedial and Completion Courses are offered at summer school. Students are required to discuss their summer school plans and submit a Summer School Completion form with their counsellors as part of the course planning process.

Remedial Programs:

Students may attend summer school to achieve a pass in up to two foundation courses (English, Math, Science, Social Studies) that they did not successfully complete.

Remedial summer school may not be recommended by the subject teacher if a student has not demonstrated a satisfactory level of attendance or classroom effort.

Completion Courses:

- Students may complete academic credit courses (Grade 10, 11, or 12) at summer school.
- Students must inform their counsellor in advance if they are doing a completion course.
- Students must ensure that their marks have been recorded at Point Grey by September after the summer.

Online Learning: Vancouver Learning Network (VLN)

Please contact the counsellor and/or administrator.

For more information visit the website: <http://vlns.ca/>

LEARNING SUPPORT PROGRAMS/SERVICES

Skills Development Centre (SDC)

The SDC assists students with learning challenges to achieve to their potential in all academics. Students receive instruction in learning strategies, time management, organization and study skills as well as 1:1 support where curriculum is clarified, retaught and reinforced. The SDC and Resource teacher work closely with classroom teachers in order to support student success. Students also have access to course resource materials. **Skills Development is a credited course for grades 10, 11, and 12. This will include a credit towards graduation and a mark. Students in grades 8 and 9 will continue to receive a work habit and comment only.**

Learning Support Program (LSP)

This District Program is designed to accommodate the varied learning needs and styles of students with learning differences. LSP is a two year program for grades 8 and 9 which offers an adapted or modified curriculum based on the student's individualized learning profile. Students receive direct instruction in learning strategies, study and test taking skills as well as remedial academic skill development.

LA Life Skills (LALS)

The LA/LS is a District Program with a maximum of 15 students from grades 8 -12. The program emphasizes the development of independent life skills, the practical application of academics and work experience training. Where appropriate, students are integrated into regular electives such as Art, Drama and Foods. The program is staffed with a Teacher and Student Support workers. Peer tutors who are senior students also work in the program.

Life Skills (LS)

This District Program with a maximum of 13 students from grades 8 - 12. The program promotes the development of functional living skills such as cooking, shopping, personal care, recreation and job preparation skills. Basic academics as related to everyday living, social skills, community integration and bus training are also emphasized. The program is staffed with a Teacher and Student Support Workers. Peer tutors also provide individualized support to students.

ELL / English Tutorial

In an effort to facilitate better learning and effective integration into regular academic and elective courses, Point Grey provides students who are English Language Learners (ELL) with the supporting services of the ELL department. Student placement in ELL classes is based on:

- English Language proficiency
- Comprehensive assessments of students' reading, writing, speaking and listening abilities
- The professional judgement of teachers in both regular and ELL classes

As a student's ability in the English language increases he/she is placed in an increasing number of regular academic and elective classes.

Any ELL student whose English skills are such that they can successfully meet the demands of a regular English class are offered one or two blocks of additional English language support in an English Tutorial class until this support is no longer needed.

STUDENT SUPPORT SERVICES

COUNSELLING

The Counsellors provide academic, career and personal counselling.

Personal counselling includes assisting students in:

- Self-awareness: strengths, needs and values.
- Goal setting, decision making and problem solving skills.
- Developing and mentoring positive relationships.
- Accessing support for mental health concerns.
- Conflict management and resolution.
- Dealing with a wide range of social, personal and developmental issues.
- Accessing services in the community.

Academic counselling includes assisting students in:

- Selecting appropriate and relevant courses.
- Understanding the behaviours and attitudes that help lead to educational and personal success.
- Accessing post-secondary information such as programs, admission and Scholarships.
- Working with other students, parents and teachers as a resource.

Career counselling includes assisting students in:

- Examining their abilities and interests and relating those in the world of work.
- Recognizing the relationships between school subjects, leisure activities and occupations.
- Planning and accessing short and long term goals.
- Becoming aware of the variety of careers and occupations available.

LIBRARY

Our library connects our students to information and ideas. It is both a resource and a teaching centre with a highly specialized, balanced collection which seeks to meet the needs of students and curricula. Along with print books, magazines, and newspapers, we have digital resources such as databases. Our print collection contains a combination of current, high interest fiction as well as popular non-fiction and academic resources. Along with nurturing a love of reading, our teacher librarians encourage students to take on the challenge of reading more sophisticated material, both fiction and non-fiction.

An assortment of remote-access databases is available for research anywhere, anytime by accessing our online catalogue:

<https://library.vsb.bc.ca>

Libraries have always been important, and in our increasingly information-based society they are even more so. Our library strives to meet the traditional as well as the emerging literacies of the twenty-first century. During our students' five years at Point Grey, we will build their information literacy skills and help them evolve into life-long learners. Students develop an ability to articulate their research requirements through conversation and connection with our librarians.

DISTRICT ENRICHMENT PROGRAM THE POINT GREY MINI SCHOOL

BACKGROUND

The Mini School program is designed to provide academically able, motivated students with an enriched and challenging course of studies in a small, cohesive setting. The Mini School consists of approximately 140 students from grades 8 to 12.

The school strives to create a stimulating learning environment wherein the critical and creative thinking skills of the students are developed and extended. Thus independence and autonomy in learning are promoted. A wide variety of experiences are provided including inquiry projects, group projects, case studies, individual projects, traditional classroom lectures and demonstrations, multi-grade activities, guest speakers and field studies. In providing many group and outdoor activities, the program attempts to develop an atmosphere in which mutual support, cooperation, initiative, responsibility and leadership are emphasized. Active student involvement in the school and service to others is encouraged. The development of a sense of community within and across the grades is fundamental to the program. Accordingly, students are expected to commit to the full five years. The Mini School seeks a high level of involvement by parents and encourages close communication, cooperation and participation in the school. Mini School students retain full access to the facilities, clubs and teams of Point Grey Secondary School. Also, the Fine Arts (Drama, Music and Visual Arts) and Applied Skills (Home Economics, Business Education, and Information Technologies) courses are taken in the main school, as are academic electives in grades 11 and 12.

ELIGIBILITY

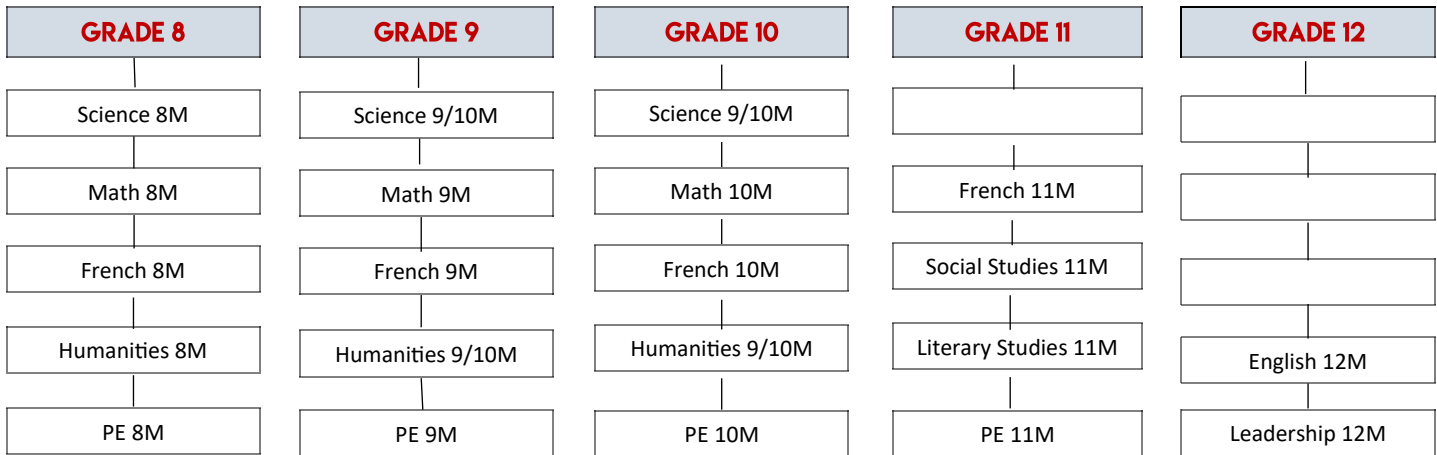
Point Grey Mini School is a District Alternative Program for students residing in the city of Vancouver. Identification and selection of students will focus on the following criteria:

- Academic achievement (demonstrate ability to apply/extend knowledge, skills and strategies or have grade equivalent "B" in academic subjects)"
- Creative and original thinking
- Independence and initiative
- Responsibility and motivation towards learning
- Leadership and/or involvement in school or community activities
- Social responsibility
- Ability to make a unique contribution to our program

DISTRICT ENRICHMENT PROGRAM-THE POINT GREY MINI SCHOOL

PROGRAM

The Mini School offers a comprehensive, cohorted, enriched program in grades 8-10. This means that students in the same grade take their Mini core courses together. In grade 9 and 10, students are blended with students from the grade above or below them in their Science and Humanities classes. By their Grade 12 year, Mini School students will only take English 12M and likely, Leadership 12M in the Mini School.



COURSE DESCRIPTIONS:

Humanities 8M & 9M

Humanities follows an interdisciplinary approach to learning, blending Social Studies and English; as such, in Grade 8 and 9, students will get credit for both Socials and English 8 and 9.

Through the study of stories and texts, students learn more about themselves, each other and the world around us.

In Humanities 8, students will use Social Studies Inquiry processes and skills to ask questions; gather, interpret, and analyze ideas; and communicate findings and decisions. This will explain different perspectives on contact, conflict, exploration, expansion and colonization. There is a large emphasis placed on students' abilities to function successfully as part of a group. Students who are successful in this course will be able to think critically, creatively, and reflectively and will be able to effectively communicate their ideas and understanding.

In Humanities 9, students will develop critical thinking skills and come to know how the world has been influenced by revolution and ideologies, and how Canada has been influenced by imperialism, colonialism and the natural environment. Students will be successful in this course when they can demonstrate their capacity to interpret evidence, assess and defend positions, and conduct inquiry related to our course topics. Students completing Humanities 9 will be able to tell a fuller, more inclusive story about Canada and have a sense of their own place in Canada's past, present and future.

Humanities 10M

In Grade 10, students will get credit for Social Studies 10, Literary Studies 10 (2 credits) and Composition 10 (2 credits). Humanities 10 explores conflict as a powerful force in shaping the world and Canada in the twentieth century. This course also uses text and story to examine how worldviews lead to different perspectives and ideas about developments in Canadian society. Students will also develop critical thinking skills through exploration of new media. Students will be successful in this course when they can conduct effective inquiry and research, and work collaboratively with others.

Social Studies 11M

Social Studies Explorations 11 is a new course that focuses on a thematic and skill based approach to history. The course incorporates elements of Human Geography, 20th Century World History, Political Science, Philosophy, and Social Justice, just to name a few. While students will continue to build on skills like critical thinking, problem solving, inquiry, effective research and essay writing, they will also be introduced to new activities such as running seminars. One goal of Social Studies Explorations 11 is to prepare students for senior Social Studies courses as well as post-secondary programs where they need to be creative and independent thinkers who can articulate ideas, manage their time and be self-directed learners.

Literary Studies 11M

This engaging course continues deep critical exploration of literature through short and long form fiction, poetry, Shakespearean literature (Macbeth), and creative non-fiction. Students are encouraged to develop their writing voice through creative writing and creative responses to literature. A keen focus on editorial skills and writing for publication is central to this course. Students will participate in the annual Poetry In Voice oratory competition. Poets, novelists and other invited guests will visit the throughout the year. Research skills are refined in preparation for university studies. Coursework is aimed at providing students with a set of skills vital for success in an increasingly complex digital world by affording opportunities to demonstrate understanding and communicate ideas through a variety of digital and print media.

Leadership 12M

An elective course for grade 12 Mini School students, this course supports the philosophy that cooperation, initiative, responsibility, and leadership are qualities that are important to nurture in students. To that end, this course will focus on developing and practicing leadership skills. Emphasis will be on improving and developing decision-making, organizational, and communication skills. Students will play key roles in organizing Mini School events such as the Fall Orientation, Winter Prom, Manning Park Winter Retreat, Grade 8 Science Fair, Freezefest Talent Show, and a variety of special events for all Mini School students during the year.

GET INVOLVED: EXTRA - CURRICULAR ACTIVITIES!

Employers, universities and scholarship committees tell educators that they want **well-rounded, active, sociable young people who are able to work co-operatively with others**. Besides their academic studies, Point Grey students have an excellent opportunity to help themselves become this kind of person through one of the most enjoyable and rewarding parts of high school - involvement in extracurricular activities. Participating students benefit in many ways from social activities, co-operative projects, exercise, skill development in athletics, music, drama, and public speaking, and other such activities. They frequently receive learning opportunities they would not usually get in the classroom. The answer for students is easy - **Get Involved!**

ATHLETICS

Fall (September - November)	Winter (December - March)	Spring (April - June)
<ul style="list-style-type: none"> ▪ Cross Country ▪ Field Hockey ▪ Rugby (Boys Bantam & Juvenile) ▪ Soccer (Boys) ▪ Swimming ▪ Volleyball (Girls) ▪ Volleyball (Junior & Senior Boys) 	<ul style="list-style-type: none"> ▪ Basketball (Bantam, Junior & Senior) ▪ Gymnastics ▪ Ice Hockey (Girls) ▪ Ski and Snowboard Racing ▪ Wrestling (Boys & Girls, all grades) 	<ul style="list-style-type: none"> ▪ Badminton ▪ Golf (Boys) ▪ Rugby (Boys Junior & Senior) ▪ Soccer (Girls) ▪ Softball (Girls) ▪ Tennis ▪ Track and Field ▪ Ultimate ▪ Volleyball (Boys Bantam & Juvenile)

INTRAMURALS

Fall (September - November)	Winter (December - March)	Spring (April - June)
<ul style="list-style-type: none"> ▪ Badminton ▪ Junior Indoor Soccer ▪ Girls 3 on 3 Basketball (Junior & Senior) 	<ul style="list-style-type: none"> ▪ Volleyball ▪ Boys 3 on 3 Basketball 	<ul style="list-style-type: none"> ▪ Senior Indoor Soccer

PERFORMING ARTS

Opportunities at Point Grey are outstanding in the Performing Arts. We have many bands including beginners, Concert and Jazz as well as a variety of choirs from Concert to Chamber to Vocal Jazz. Aside from the One Act Plays and Improvisational Theatre, the Point Grey Musical Theatre Company also produces a musical biannually. The performing arts are an important component of Point Grey's school culture.

More information is available on their website: <http://pointgreymusic.com/>

CLUBS

There are a variety of clubs to encourage involvement in the school community. Clubs change from year-to-year, but these are the clubs we have this year:

ACG Culture Club	Dungeons and Dragons Club	Multicultural Club	Science Club
Badminton Club	Futuring Club	Multimedia Games Club	Speech Club
Board Game Club	Gender Sexuality Alliance	Newspaper Club	Tennis Club
Cancer Awareness Club	Green Team	Nutrition Club	Trading Club
Computer Science Club	Mathematics Club	Philosophy Club	Ultimate Club
Dance Team	Microloans	Project Zero	World Vision
Discussion Club			

STUDENT COUNCIL

The role of the Student Council is to represent students, liaise with school administration, organize and implement student activities, and promote inclusiveness and school spirit amongst the study body. Any student may apply for election to the Student Council providing they meet the established criteria.

Criteria for election application is as follows:

- Submit the nomination form with two teacher/staff sponsor signatures at a specified meeting date
- Demonstrated good citizenship (attend regularly, reliable, responsible, participate appropriately in school life in previous years)

ADVANCED PLACEMENT

AP courses are university level courses offered to students at Point Grey. These courses are regulated by the College Board and provide a rigorous academic learning environment. Successful completion of the Advanced Placement course may be used for university credit. Students require teacher recommendations to enroll in these courses with priority given to [graduating students](#).

AP BIOLOGY 12

Pre or Co-requisite: Students will take this course after successful completion or in conjunction with both Biology 11 and Biology 12.

AP Biology is an equivalent course to a college introductory biology course taken by biology majors in their first year. This course aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. The course covers three general areas: molecules and cells; heredity and evolution; and organisms and populations. Students may take the optional AP Biology exam in the spring. An examination fee is required.

AP CALCULUS 12

Prerequisite: Pre-Calculus 11 with an 86% average or better

This course is designed for students who plan to pursue studies in advanced mathematics and/or science at a post secondary institution. To enroll a student must be in Grade 12 and taking Pre-Calculus 12 and Calculus concurrently or have completed Pre-Calculus 12. Admission to the course will be subject to a Point Grey math teacher recommendation. Since the course will cover topics found in the first term of a university calculus course, students must be prepared to set aside additional time for assignments and study. Students earning above average marks in this course may choose to write the Advanced Placement exam in May. An examination fee is required.

AP CHEMISTRY 12

Pre or Co-requisite: Students must have taken, or be taking, Chemistry 12 in addition to AP Chemistry.

Advanced Chemistry explores topics in greater detail than the regular grade 11 and 12 courses. Explorations will occur through lecture, demonstration, problem solving and laboratory experiences. Participation in Chemistry competitions will be encouraged. Students should have attained a high "B" standing in Chemistry 11 (an 80% average is recommended). This course prepares students to write the optional AP Chemistry examination that allows high scoring students to receive credit for first year university chemistry. An examination fee is required.

AP COMPUTER SCIENCE 12

Prerequisite: Information Technology 11 Senior Computer Science

This is a university level course option open to students who intend to pursue further study in computer science or engineering after graduation. The demands of this course prepares students to develop in-depth skills and knowledge in programming (Java). Topics include programming analysis, Java library classes, standard algorithms, object-oriented programming, case studies, and data structures. Students who successfully complete the AP exam may earn credit for first year university Computer Science.

Students are required to pay an administrative fee in order to write the AP exam.

AP PHYSICS 1 HONOURS 11

Prerequisite: Science 10, Foundations of Math and Pre-Calculus 10 (by approval). Students need to be proficient in basic algebra and trigonometry in order to solve typical physics problems and must be taking Pre-Calculus 11 concurrently or have completed Pre-Calculus 11. Students also have the option to enroll after completing Physics 11 or Physics 12 without approval.

AP Physics 1 course is intended for motivated students who want to go beyond the usual secondary-school physics curriculum. This course is the equivalent to an introductory first-semester college course in algebra and trigonometry-based physics. The course covers:

- Newtonian mechanics
- Rotational motion and angular momentum
- Work, energy, and power
- Oscillations and simple harmonic motion
- Mechanical waves and sound
- Introduction to electric circuits

In addition to the course work, there is a component of laboratory work and some experiment design.

Successful completion of this course will prepare students to write the College Board Advanced Placement exam in Physics 1. This exam may help students stand out in the college/university admission process. There is a fee for students who wish to write the exam.

The AP Program recommends that colleges and universities grant one semester of credit for a score of 3 or higher on the AP Physics 1 Exam.

AP PHYSICS 2 HONOURS 12

Prerequisite: AP Physics 1 or a comparable course in physics (Physics 12 with a final standing of B) as well as Pre-Calculus 11.

AP Physics 2 course is intended for motivated students who want to go beyond the usual secondary school physics curriculum. This course is the equivalent to a second semester college course in algebra and trigonometry-based physics. The course covers:

- Fluid statics and dynamics
- Thermodynamics
- Electricity and magnetism
- Electromagnetic waves
- Geometrical optics
- Quantum physics
- Atomic and nuclear physics

In addition to the course work, there is a component of laboratory work and some experiment design.

Successful completion of this course will prepare students to write College Board Advanced Placement exam in Physics 2. This exam may help students stand out in the college/university admission process. There is a fee for students who wish to write the exam.

The AP Program recommends that colleges and universities grant one semester of credit for a score of 3 or higher on the AP Physics 2 Exam.

AP PSYCHOLOGY 12

Suggested Prerequisite: English 11

This course, in which graduating students are given priority, is a first year university level psychology course. As such, the topics, tests and assignments covered will be similar in scope and treatment to those found in university survey courses. It is strongly suggested that candidates be able to set aside adequate time for readings before the class lectures so as to enhance comprehension of the course content. Upon successful writing of the national AP exam which is administered in May, and which entails that an examination fee be paid, students will be given credit for an introductory psychology course at most universities and colleges.

AP STUDIO ART

Prerequisite: None

This course is a senior studio art course for the serious art student looking to develop a college-level portfolio. In this rigorous course of study, students will explore the elements and principles of design in great depth while developing their skill and judgement in composition and design. There is no exam; portfolios are assessed by the College Board in May each year. As this is a college-level course, it requires independence, responsibility, and a considerable time commitment.

APPLIED DESIGN, SKILLS & TECHNOLOGIES

APPLIED SKILLS 8

All students will complete this full year course to introduce them to the following three subject areas:

Business Education - 35 hours

Keyboarding Development: touch typing with improved speed, accuracy and technique. Formatting: Enhancing display and presentation with Microsoft Word and PowerPoint Production: Introduction to web page communication.

Home Economics - 35 hours

Safety: sewing and ironing techniques and food preparation and handling techniques. Production: a hand-sewn and machine project and nutritious snacks and cultural foods.

Woodworking - 35 hours

Students will participate in the safe use of the tools and techniques of woodworking creating fun, useful and practical projects.

CAREER LIFE EDUCATION 10

All students will complete this mandatory course comprised of three main areas of study: Personal Development, Connections to Community, and a Career Life Plan.

Personal Development:

Introduces students to self-assessment for career research, goal setting, lifelong learning, graduation requirements, personal financial planning, and workplace etiquette.

Connections to Community:

Students will identify and explore local-to-global social and economic trends and appreciate their impact on individuals communities, workplaces, and career opportunities.

Career Life Plan:

Students will explore essential careers skills, employability skills, post-graduation opportunities, experience opportunities. They will use their knowledge to create an initial career and education plan which includes financial considerations.

BUSINESS EDUCATION

ACCOUNTING 11

Prerequisite: None

This introductory course to the study of bookkeeping / accounting. Topics of study include: the accounting cycle, basic financial statements, control of cash, banking and payroll. This course is designed for students who:

- Want an introduction to accounting for personal use.
- Plan to take advanced levels of instruction at the secondary school level
- Want to register for professional accounting courses at the college and university level

Students are introduced to computer applications in accounting using **Simply Accounting** software.

ECONOMICS 12

Open to Grade 12 Students Only

This course is for students who plan to enter a post-secondary institution in the faculty of business or commerce. Economics 100 is the major required course in all post secondary schools of business and Economics 12 is designed specifically to prepare students for this challenge.

TECHNICAL STUDIES

WOODWORK 9

Prerequisite: None

Woodwork 9 is an introductory woodworking course appropriate for students who are brand new to the skill. Students will learn and demonstrate safe woodworking practices on a variety of hand tools, portable and stationary power equipment. During the course of this activity instruction will be given in safety, wood technology, basic joinery, design, and wood finishing.

WOODWORK 10

Prerequisite: None

Woodwork 10 is an introductory woodworking course that builds on skills learned in Woodwork 9 but is also appropriate for beginners. Students will learn and demonstrate safe woodworking practices on a variety of hand tools, portable and stationary power equipment. During the course of this activity instruction will be given in safety, wood technology, basic joinery, design, and wood finishing.

WOODWORK 11

Prerequisite: None

Woodworking 11 is an intermediate level course, flexible to both beginners and students with experience at the grade 9 and/or 10 level. Students will learn and demonstrate safe woodworking practices on a variety of hand tools, portable and stationary power equipment. During the course of this activity instruction will be given in safety, wood technology, basic joinery, design, and wood finishing. More advanced projects will be available as appropriate.

WOODWORK 12

Prerequisite: None

Woodworking 12 is an advanced level woodworking course but flexible to beginner students' needs as well. Students will engage in more advanced furniture and cabinet making projects, building their woodworking skills while refreshing more basic woodworking and safety skills.

HOME ECONOMICS

FOODS

TEXTILES

The Home Economics department is committed to providing many opportunities for our foods students to use their culinary skills to contribute and care for the Point Grey community and the community at large. Some of those activities: preparing meals for the Downtown East Side residents, baking cookies for St. Mary's community meals and catering staff meetings and various school events. We hope that through these group activities that students will identify how their actions and the action of others can lead to positive change in our community.

FOODS 9 / 10

Prerequisite: None

This course alternates yearly as Course A or B. This flexibility enables the students to experience a different foods course in both their Grade 9 and 10 years. Students will receive course credit depending on their grade level.

Course A:

This course is offered to students in Grade 9 and 10. The course focuses on special days around the world and the way that people celebrate them. We will focus our exploration on the food, culture and culinary aspects of various seasonal festivities. We will start the year off by examining and practicing different food preparation techniques.

As we travel around the world, we will study global cuisines and at the same time we will study food rituals. By the end of the year, students will be able to prepare nutritional meals from around the globe.

Course B: In this course, students are taught food preparation techniques and independence in the kitchen. The guiding principle of this Course is to examine the relationship that food plays with respect to self, families and different cultures. We start the year off learning food preparation techniques as students begin to prepare simple, nutritious meals that are appealing to the teenage palate. The course culminates in the application of the acquired skills in a final entertainment unit that highlights savoury, sweet and baked foods from around the world.

FOODS 11 / 12

Prerequisite: None

This course is intended for students who are interested in foods and want to explore the multitude of culinary creations. The course builds on some basic knowledge and kitchen experiences. There will be an opportunity to visit some of the ethnic food communities around metro Vancouver. Classes will be a combination of demos, hands-on lab experiences, theory and field trips.

COMMUNITY FOODS 11/12

Prerequisite: None

This is a Senior Level Foods course that will provide students with hands-on food and food preparation knowledge for serving the Point Grey school community. In addition to regular course work, students will take and become certified in the BC Food Safe course which is a comprehensive food safety training program designed for the food service industry. Throughout the year, we will focus on offering greener and healthier food choices and economic benefits for our school community.

Note: All students will be expected to attend early morning classes approximately 10 times during the course of the year to help with catering job opportunities. Please note that once the students become Food Safe certified, any new students entering the class will have to become Food Safe certified on their own. The teacher will be able to help with this process.

CLOTHING & TEXTILES 9

Prerequisite: None

This grade 9 course briefly looks at fashion and wardrobe planning to meet personal needs. Students expand their sewing and serging techniques, as well as learning to handle a variety of woven fabrics. Projects may include small craft items, bags, hoodies, pyjamas, simple dresses, and pants or skirts.

CLOTHING & TEXTILES 10

Prerequisite: None

This course is for grade 10 students who are interested in fashion and want to expand their sewing techniques to create their own fashion statements. Students will learn to handle a variety of woven and knit fabrics and learn finishing techniques which complement their chosen fabric. Projects may include a variety of tops such as blouses, t-shirts, simple jackets, dresses and pants or skirts. Some craft items will also be created.

CLOTHING & TEXTILES 11

Prerequisite: None

This course is designed to meet the needs of senior students who are interested in fashion and want to learn new sewing techniques to create their own fashion statements. Students will begin to gather a fashion file of personal sketches and other inspirations from a variety of sources. Further study on fitting techniques, wardrobe planning, fiber and fabric awareness and the appropriate sewing techniques is done with emphasis on personal needs and abilities. Course projects may include unlined jackets or coats, skirts or trousers, formal or party dresses. Original and innovative ideas are encouraged and chosen by the students in consultation with the teacher.

CLOTHING & TEXTILE STUDIES 12

Prerequisite: None

This course is designed for students who love to sew and is suitable for those students who are considering a career in the fashion industry. The projects are chosen in consultation with the teacher to compliment and extend the skills learned in previous years as they work towards a completion of a collection. Techniques for working with difficult fabrics such as velvet, lace, suede etc. are required. Students will prepare a Design Portfolio for post secondary.

PSYCHOLOGY

PSYCHOLOGY 11

Prerequisite: Proficiency in English

This introductory language based course focuses on the study of human mental processes and behavior and it is intended to serve students who have a genuine interest in pursuing psychology at a higher level. At the conclusion of the course, students will have an understanding of how psychological processes affect the individual in their interactions with others.

INFORMATION TECHNOLOGY

INFORMATION TECHNOLOGY 9 JUNIOR COMPUTER SCIENCE

Open to Grade 9 students

This entry level course will introduce students to the core topics within the discipline of computer science and is ideal for students who would like to be able to use a technology more effectively. Expected topics to be covered include (but are not limited to) introductory computer programming, 3D modeling and design, website development and design, and a preview of Intermediate Computer Science. Learning resources used may include: Scratch visual programming language, Blender 3D computer graphics, Web development technologies (HTML and CSS), and additional programming languages such as Snap!, Python, and JavaScript.

INFORMATION TECHNOLOGY 10 INTERMEDIATE COMPUTER SCIENCE

Open to Grade 10 students

This course introduces students to the foundations of computer science with special emphasis on developing intermediate level computer programming skills. Students will focus on the “big ideas” of computing: abstraction, design, recursion, concurrency, simulations, and the limits of computation. Programming topics include basic data types, conditionals, iteration, algorithms, programming paradigms, and simple data structures. In addition to developing hands-on programming skills, students will learn to work within an effective collaborative framework with peers and thoughtfully examine the increasing influence of technology on the world (pros and cons). Time permitting, a preview of Senior Computer Science will conclude the course. Learning resources may include: Snap!, Python, and Java programming languages.

INFORMATION TECHNOLOGY 11 SENIOR COMPUTER SCIENCE

Open to Grade 11 students

This course focuses on building a sound understanding of the fundamental aspects of computer programming. Using the Java Programming Language, students will explore program flow, data structures, classic algorithms, object-oriented programming and how they can all be skillfully used to resolve modern problems through computers. Students will be expected to develop independent internet information/materials research and retrieval techniques, as well as information management techniques to facilitate a rewarding project experience. These skills will be utilized and demonstrated in an in depth project that will showcase student’s individual research, interests and abilities within the realm of computer science.

Note: This course is an excellent platform for students who are preparing to take the Advanced Placement Computer Science A course.

INFORMATION TECHNOLOGY 12 SENIOR COMPUTER SCIENCE

Open to Grade 12 students

This course is a continuation of the programming skills and techniques required to understand the fundamental aspects of computer programming developed in Information Technology 11 (see course description for Information Technology 11).

Note: If you have not taken Information Technology 11 you are still eligible to take this course. While core concepts covered in the course remain the same each year, assignments and other assessments are updated each year to provide students the option of repeating senior computer science to gain a deeper understanding of challenging Computer Science concepts and to prepare for study after graduation.

ELL

All students must take all of the required courses in any one level unless exceptions are approved by the ELL department contact and/or administrator.

ELL LEVEL 1/2 (AS NEEDED)	ELL LEVEL 2/3 (AS NEEDED)	TRANSITIONAL (ONE YEAR)
① ELL 1/2 Reading	① ELL 2/3 English	① Transitional English Junior or Senior
② ELL 1/2 Writing	② ELL 2/3 English Tutorial	② English Tutorial
③ ELL 1/2 Social Studies	③ ELL 2/3 Social Studies	③ Transitional Social Studies Junior or Senior
④ ELL Science	④ ELL Science or grade level Science	④ Grade level Science
⑤ Grade level Math	⑤ Grade level Math	⑤ Grade level Math
⑥ Grade level Physical & Health Education	⑥ Grade level Physical & Health Education	⑥ Grade level Physical & Health Education
⑦ Grade level elective	⑦ Grade level elective	⑦ Grade level elective
⑧ Grade level elective	⑧ Grade level elective	⑧ Grade level elective

ENGLISH

ENGLISH 8

Prerequisite: Language Arts 7

The primary emphasis in this course is on basic skills in reading, writing, listening and speaking. Emphasis is also placed on reading and writing for enjoyment. Poetry, short stories, novels, and non-fiction pieces are read and discussed. The study of Shakespeare is introduced at this level.

Composition consists of writing both literary and creative paragraphs, as well as the development of short essays. Close attention is paid to training students to write both written and oral form using vocabulary appropriate to the situation and audience.

According to British Columbia's New Curriculum, students will acquire skills through personalized learning, focusing on core competencies:

- ✓ COMMUNICATION
- ✓ THINKING
- ✓ PERSONAL and SOCIAL

ENGLISH 9

Prerequisite: English 8

English 9 is a course of language and literature with continued emphasis on basic reading, writing, listening and speaking skills. In writing, the emphasis is on the development of coherent paragraphs and longer works of a critical and creative nature. The study of Shakespeare may continue at this level. Students should expect to do a great deal of reading and writing in this course.

According to British Columbia's New Curriculum, students will acquire skills through personalized learning, focusing on core competencies:

- ✓ COMMUNICATION
- ✓ THINKING
- ✓ PERSONAL and SOCIAL

ENGLISH 10 COMBINATION

Prerequisite: English 9

Regardless of the combination course, all English 10 students participate in a Media Studies field trip

English 10 is comprised of two options combined for the full credit course. The initial portion is taught from September to the end of January, followed by the second portion, taught from February to June.

All combination courses adhere to the concepts of the New Curriculum:

- Comprehend and Connect (reading, listening, viewing) representing "receptive modes"
- Create and Communicate (writing, speaking, representing) representing "expressive modes"

STUDENTS MAY SELECT FROM ONE OF THE FOLLOWING COMBINATIONS:

Literary Studies / Creative Writing 10

The **Literary Studies** portion introduces literary analysis in the form of poetry, short stories, novels, or plays. In the **Creative Writing** portion of the course, students will study and practice the techniques of various creative writing forms. There will likely be a spoken language element of the course which will offer a variety of formal and informal opportunities for verbal expression.

★The foundation of all English 10 courses is composition, therefore students should anticipate a continued expectation regarding the conventions of writing.

Literary Studies / New Media 10

The **Literary Studies** portion introduces literary analysis in the form of poetry, short stories, novels, or plays. The **New Media** portion focuses on critical thinking and exploration of new media platforms and development of media literacy.

★The foundation of all English 10 courses is composition, therefore students should anticipate a continued expectation regarding the conventions of writing.

Regardless of the combination course, all English 10 students participate in a Media Studies field trip

EACH OPTION IS AN ENGLISH 11 CREDITED COURSE:

LITERARY STUDIES 11

Prerequisite: Either English 10 Combination

Literary Studies 11 allows students to delve deeply into literature. Students can explore specific themes, periods, authors, or areas of the world through literary works (fiction and non-fiction) in a variety of media. Giving students the choice of a range of literary topics allows them to follow their passion and at the same time:

- increase their literacy skills through close reading of appropriately challenging texts
- enhance their development of the English Language Arts curricular competencies, both expressive and receptive
- expand their development as educated global citizens
- develop balance and broaden their understanding of themselves and the world
- further develop higher-level thinking and learning skills

The following are possible areas of focus in Literary Studies 11:

- genre-specific studies (poetry, short stories, novels, drama, graphic novels, children's literature)
- speculative fiction
- suspense fiction
- world literature
- Canadian fiction
- Satirical fiction
- An independent project may be part of this course

SPOKEN LANGUAGE 11

Spoken Language 11 is designed to support students as they refine, clarify, and adjust their spoken communication through practice and revision. The course provides opportunities for students to, with increasing independence, study, create, write, and present original and authentic pieces for a range of purposes and real-world audiences. They will expand their competencies through processes of drafting, reflecting, and revising to build a body of work that demonstrates expanding breadth, depth, and evidence of spoken language genres for a range of situations. They will develop confidence in their abilities as they consolidate their spoken language skills.

The following are possible areas of focus in Spoken Language 11:

- performance – suggested content/topics include spoken word/slam poetry, poetry recitation, oral storytelling, readers' theatre
- podcasts
- debates
- enhanced presentation skills
- oral tradition – suggested content/topics include oratory, local story knowledge, oral history
- professional applications – suggested content/topics include speech writing

CREATIVE WRITING 11

Creative Writing 11 provides students with a supportive environment in which to increase their confidence and refine their writing skills through imagination and self-expression. Designed to stimulate creativity through inquiry, discussion, exercises, readings, videos, games and other means, the course covers a variety of genres and delivers practical lessons on using proven techniques to craft compelling fiction, nonfiction, poetry, and scripts for the stage and screen. Students will have opportunities to present, produce and publish their work, to compete in writing contests, and possibly to meet and interact with established writers, editors and other creative professionals.

NEW MEDIA 11

New Media 11 is a program of studies designed to reflect the changing role of technology in today's society and the increasing importance of digital media in communicating and exchanging ideas. This course is intended to allow students and educators the flexibility to develop an intensive program of study centered on students' interests, needs, and abilities, while at the same time allowing for a range of local delivery methods. New Media 11 recognizes that digital literacy is an essential characteristic of the educated citizen. Coursework is aimed at providing students with a set of skills vital for success in an increasingly complex digital world by affording numerous opportunities to demonstrate understanding and communicate increasingly sophisticated ideas through a wide variety of digital and print media. Compared with New Media 10, New Media 11 features tasks and texts of greater complexity and sophistication. As well, the Grade 11 course extends the depth and breadth of topics and activities offered in New Media 10.

The following are possible focus areas in New Media 11:

- critical studies of media and film studies – suggested content/topics include the globalization of the media industry, influence of media on users' perceptions, and documentaries in the age of digital media
- journalism and social media – suggested content/topics include the changing roles and structures within news organizations; and risks, challenges, and opportunities associated with professional journalism
- individual interaction with media will allow students to consider how their personal experiences influence their understanding of it

ENGLISH STUDIES 12

All students participate in a Media Studies field trip

The development of sophisticated communication and critical thinking skills is the main goal of this course. The English Studies 12 course builds on and extends students' previous learning experiences in English Language Arts 10 and 11 courses. It is designed for all students and provides them with opportunities to:

- refine their ability to communicate effectively in a variety of contexts and to achieve their personal and career goals
- think critically and creatively about the uses of language
- explore texts from a variety of sources, in multiple modes, and that reflect diverse worldviews
- deepen their understanding of themselves and others in a changing world
- gain insight into the diverse factors that shape identity
- appreciate the importance of self-representation through text
- contribute to Reconciliation by building greater understanding of the knowledge and perspectives of First Peoples

ENGLISH FIRST PEOPLES 12

All students participate in a Media Studies field trip

Students will read and view, collaboratively and independently, a wide variety of authentic First Peoples' texts. Critical thinking and analysis will be demonstrated through presentations and essay writing, but with an added bonus of learning about and understanding First Peoples through their own expression.

SENIOR ELECTIVES:

LITERARY STUDIES 12

Literary Studies 12 is a course that provides preparation for university. It allows students to delve more deeply into literature through increasingly complex texts. Students can explore specific themes, periods, authors, or areas of the world through literary works (fiction and non-fiction) in a variety of media. Giving students the choice of a range of literary topics allows them to follow their passion and at the same time:

- increase their literacy skills through close reading of appropriately challenging texts
- enhance their development of the English Language Arts curricular competencies, both expressive and receptive
- expand their development as educated global citizens
- develop balance and broaden their understanding of themselves and the world
- further refine higher-level thinking and learning skills

The following are possible areas of focus in Literary Studies 12:

- genre-specific studies – poetry, short stories, novels, drama, graphic novels, children's literature
- world literature
- Canadian literature
- First People's texts
- specific author studies
- topic, theme, or inquiry
- canonical literature by era—Middle Ages, Renaissance, Restoration, Romantic, Victorian, 20th century

CREATIVE WRITING 12

This engaging course is for students with a strong interest in creative writing of fiction and creative non-fiction. The focus will be on writing experimental short prose, short story (genre of students' choice), poetry, song, monologues, screenplay, and the art of the interview. To enhance the writing process, students will be exposed to influential literature (and film). Students work towards both publication and everyone is encouraged to share their pieces with the class and then on Coffee House Night in April where friends and family are invited. There is an October field trip to the Vancouver International Writers Festival and during the year students work with important authors and poets who will visit our class. This is an elective course which may be taken alongside a chosen English 11 or 12 requirement.

FINE ARTS

ART

ART 8 / DRAMA 8

Prerequisite: None

Students will take a semester of each (Art and Drama)

This survey course introduces students to the wonderful world of art through projects that are fun and exciting for all skill and experience levels. The projects emphasize experimentation, expression and discovery. Students will develop drawing and painting skills and get an introduction to ceramics, printmaking and sculpture.

ART 9

Prerequisite: None

This course provides fun and engaging instruction in drawing, painting, sculpture, printmaking and ceramics. Students will be encouraged to pursue self-expression and experimentation with materials, tools and techniques while building skills.

VISUAL ARTS 3-D 9 (CERAMICS)

Pre requisite: None

This course focuses primarily on skill development and experimentation in sculpture and ceramics. Topics of instruction include modeling, casting, carving and construction, and materials include clay, soapstone, wood, plaster and more.

ART 10

Prerequisite: None

This is a fun art course for complete beginners and seasoned art students alike. It will provide a wonderful opportunity for students to spend time developing skills, playing with materials and practicing the disciplines of drawing, painting, printmaking, mixed media, ceramics, and sculpture.

VISUAL ARTS 3-D 10 (CERAMICS)

Pre requisite: None

This course focuses on skill development and experimentation in sculpture and ceramics, with an emphasis on increasing self-expression. Topics of instruction include modeling, casting, carving and construction, and materials include clay, soapstone, wood, plaster and more.

PAINTING & DRAWING 11

Prerequisite: None

From life drawing and abstract painting, to printmaking and mixed media projects, this 2D studio course has it all! Students of all skill levels will develop their artistic skills and experiment with many forms of expression through a wide variety of techniques. Assignments will include traditional and non-traditional projects in drawing, painting, printmaking, and mixed media.

VISUAL ART 3D 11 (CERAMICS)

Prerequisite: None

This hands-on studio course allows senior students of all levels to develop their abilities in working with clay, plaster, soapstone, fabric, glass, wood, and other materials. Students will gain proficiency with a variety of tools, as well as the pottery wheel. Favourite parts of the course include working with guest artists, and raku firing.

SENIOR ART CAREERS 11

Pre requisite: None

The course is intended for serious, disciplined grade 11 or 12 art students interested in pursuing a post secondary education and/or career in a field related to the visual arts. The course is divided into studio projects, research into post-secondary schools and preparation of a portfolio, and art viewing and criticism. Students will receive thorough support in developing a successful visual art portfolio and making decisions regarding post secondary education and careers options.

PAINTING & DRAWING 12

Prerequisite: None

This painting and drawing course offers fun and engaging projects that range from painting to printmaking to life drawing. All skill and experience levels are welcome as this studio course offers the opportunity to develop artistic skills, try new things and create expressive works of art.

VISUAL ART 3D 12 (CERAMICS)

Prerequisite: None

A great course for senior students of all levels, this studio class will focus on conceptualizing, designing and creating interesting 3D works of art. Students will learn proficiency with a variety of tools and processes, as well as the pottery wheel. Projects change from year to year; past projects have included ceramics, puppets, glass fusing, wood carving, plaster sculpture, and natural found materials. Highlights of the course include working with guest artists, and raku firing.

AP STUDIO ART

Please see the AP section (page 7) for course outline.

GRAPHICS

GRAPHIC ARTS 9

Prerequisite: None

This is a foundations level course that introduces tools, techniques and processes of graphic design in a fun and vibrant environment. The fundamentals of visual communication are explored through instructional topics such as Adobe Photoshop tutorials, digital and pinhole photography, typography, animation, illustration, colour theory and more.

GRAPHIC DESIGN 10

Prerequisite: None

Builds on the practical knowledge foundation of graphics 9 while introducing visual literacy and image development skills. Creative thinking and visual problem solving are introduced as students further explore the world of graphic design. Instructional topics include: Adobe Indesign and Photoshop, poster design, darkroom photography, illustration, and publication design. This course also serves as a preparatory course for students who wish to work on the yearbook in grade 11 and 12.

GRAPHIC DESIGN 11

Prerequisite: None

Students complete their study of design theory and apply their knowledge of visual communication in practical and engaging graphic design projects with an emphasis on idea generation and problem solving. Portfolio development is supported in this course. Topics of instruction include Adobe Illustrator, Indesign and Photoshop, publication design, product design and portfolio development.

GRAPHIC DESIGN 12

Prerequisite: None

A senior level course in which students apply their knowledge and understanding of graphic communication in design projects that emphasize development of personal style and professional standards. Assignments include Logo design, book cover design, poster creation, label design, mural design and more. Portfolio development, post secondary and career research are also fostered in this class. Topics of instruction include Adobe Illustrator, Indesign and Photoshop, publication design, product design and portfolio development.

YEARBOOK 11 / 12 OFF TIMETABLE

Prerequisite: None

The production of the Yearbook/Annual is the primary focus for this course. This course should be taken by students who are self-motivated and independent workers. The course will include mentorship in project management, photography skills, layout design, Adobe Indesign, and publication production.

PHOTOGRAPHY 11

Prerequisite: None

This course is designed for grade 11 and 12 students interested in learning the principles of photography along with the art of image making. The course covers 35 mm SLR camera operation, digital photography, black and white film processing and enlarging, darkroom procedures, image composition and special effects. Students will learn processes for refining their perception and creating images with visual impact. Field trips and access to 35 mm SLR cameras are included in the course.

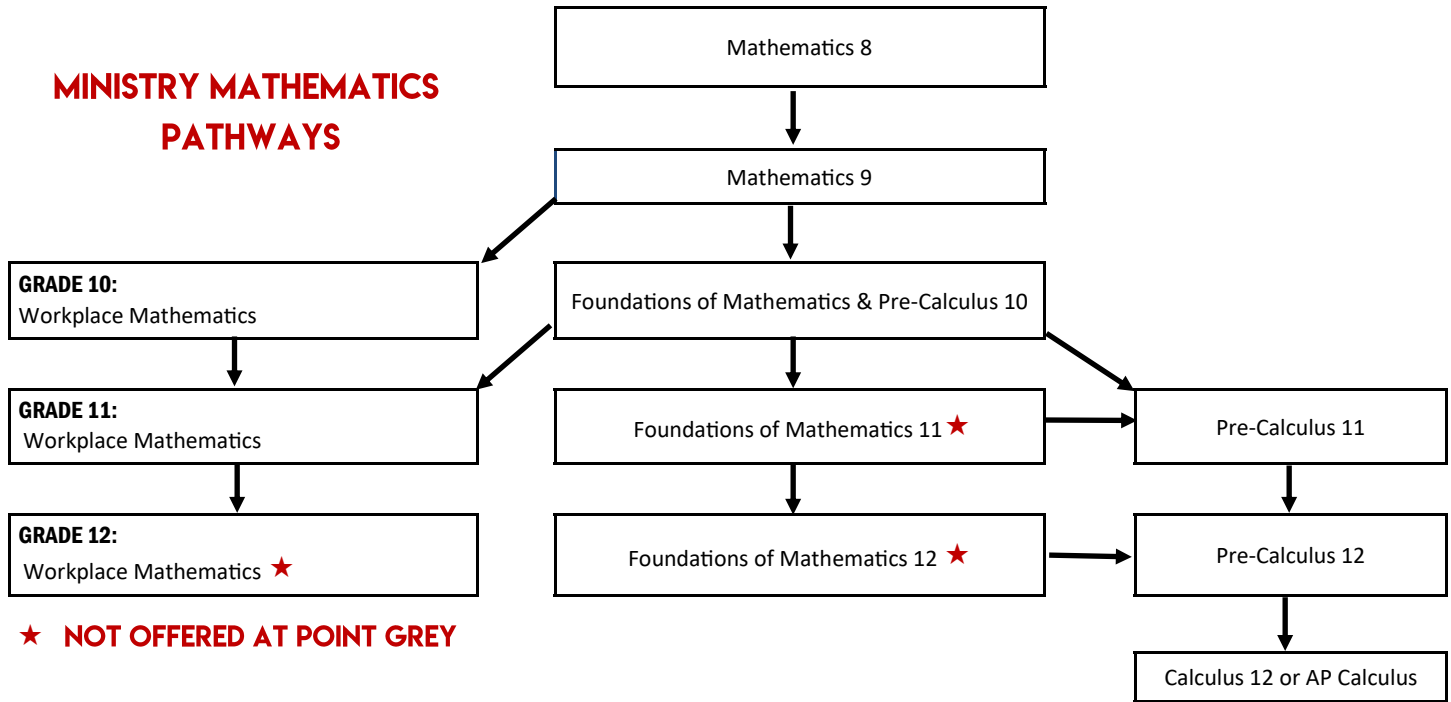
PHOTOGRAPHY 12

Prerequisite: Photography 11 or permission of instructor

Photography 12 is a comprehensive course exploring portrait, documentary, landscape, architectural, and abstract photography as well as many more. The course is designed to be largely self-directed, giving freedom to students to develop their own projects and interest in photography with support and mentorship from the instructor. The course will include both film and digital photography, studio as well as location shoots, digital processing techniques and image manipulation as well as darkroom developing. Field trips and guest lectures will be included in this course.

MATHEMATICS

MINISTRY MATHEMATICS PATHWAYS



WHAT IS THE PURPOSE OF THE THREE OPTIONS?

Workplace Mathematics	Foundations of Mathematics	Pre-Calculus
This pathway is designed to provide students with the mathematical understanding and critical-thinking skills identified for entry into the majority of trades and for direct entry into the work force . Topics include algebra, geometry, measurement, number, statistics and probability.	This pathway is designed to provide students with the mathematical understanding and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus . Topics include financial mathematics, geometry, measurement, number, logical reasoning, relations and functions, statistics and probability.	This pathway is designed to provide students with the mathematical understanding and critical-thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus . Topics include algebra and number, measurement, relations and functions, trigonometry, and permutations, combinations and binomial theorem.

MINISTRY COURSES NOT OFFERED AT POINT GREY

FOUNDATIONS OF MATHEMATICS 11

Prerequisite: Foundations & Pre-Calculus Mathematics 10

This course involves the study of rates, scale factors, puzzles, inductive and deductive reasoning, linear inequalities, quadratic functions, statistics and history.

This is a course for students who **DO NOT** need to study Calculus in a post-secondary institution.

FOUNDATIONS OF MATHEMATICS 12

Prerequisite: Foundations Mathematics 11

This course involves the study of puzzles, compound interest and investment portfolios, set theory, probability, polynomial exponential logarithmic and sinusoidal functions, current events in math.

This is a course for students who **DO NOT** need to study Calculus in a post-secondary institution.

WORKPLACE MATHEMATICS 12

Prerequisite: Apprenticeship & Workplace Mathematics 11

This course includes the following topics: purchasing vehicles, small business liability, polygons, transformations, puzzles, precision and accuracy of instruments, probability, linear relations, central tendency, sine and cosine law.

This is a course for students who will be going directly into the work force or into some trades.

MATHEMATICS CONTINUED

MATHEMATICS 8

Prerequisite: Math 7

The course includes developing skills involved with perfect squares and cubes, square and cube roots, percents, proportional reasoning, operation with fractions, discrete linear relations, mathematical expressions, two-step equations, surface area and volume, Pythagorean theorem, 3D objects, central tendency, theoretical probability and financial literacy.

MATHEMATICS 9

Prerequisite: Math 8

This course involves the study of operations with rational numbers, exponents and exponent laws, operations of polynomials with degree less than or equal 2, two-variable linear relations, multi-step one variable linear equations, spatial proportional reasoning, statistics in society and financial literacy.

WORKPLACE MATHEMATICS 10

This course is designed for students who struggled with Mathematics 9 and who plan on going into the work force after grade 12. This course includes the following topics:

- puzzles and games for computational fluency
- create, interpret, and critique graphs
- primary trigonometric ratios
- metric and imperial measurement and conversions
- solving problems involving surface area and volume
- angles
- central tendency
- experimental probability
- financial literacy: gross and net pay

This course is not intended for students who intend on going into calculus in the future.

FOUNDATIONS OF MATHEMATICS & PRE-CALCULUS 10

Prerequisite: Mathematics 9

This course includes the following topics:

- operations on powers with integral exponents
- relationships among data, graphs, and situations
- linear relations, including slope and equations of lines
- solving systems of linear equations
- multiplication of polynomial expressions
- polynomial factoring
- primary trigonometric ratios
- experimental probability
- financial literacy: gross and net pay

WORKPLACE MATHEMATICS 11

Prerequisite: Workplace Mathematics 10

This course involves the study of graphs, trigonometry, unit conversion, surface area and volume, central tendency, experimental probability and gross and net pay.

This is a course for students who will be going directly into the work force or into some trades.

PRE-CALCULUS 11

Prerequisite: Foundations & Pre-Calculus Mathematics 10

This course includes the following topics:

- real numbers
- powers
- radical, rational, quadratic, operations and equations
- inequalities
- trigonometry
- financial literacy

This is a course for students who WILL need to study Calculus in a post-secondary institution.

PRE-CALCULUS 12

Prerequisite: Pre-Calculus 11

This course includes the following topics:

- composite functions
- transformations of graphs
- exponential and logarithmic functions
- polynomial factoring / functions
- rational functions
- trigonometry
- equations and identities
- conic sections

This is a course for students who WILL study Calculus in a post-secondary institution.

CALCULUS 12

Prerequisite: Pre-Calculus 11 with an 86% average or better

To enroll a student must be in grade 12 and taking Pre-Calculus 12 and Calculus concurrently or have completed Pre-Calculus 12.

This course moves at a slower pace than AP Calculus and is designed for students who plan to pursue studies in business and/or science at a post-secondary institution. Since the course will cover topics found in the first year of a university calculus course, students must be prepared to set additional time for assignments and study.

This course or AP Calculus is highly recommended before taking Sciences at university. This course is also an application requirement to some universities; students should do their own research.

MODERN LANGUAGES

FRENCH

FRENCH 8

Prerequisite: None

Text: *Ça Marche 1*

The key objective of the *Ça Marche 1* program is to build the student's proficiency in communicating in French. Throughout this course, the speaking and Listening aspects of the French language are emphasized, although there is ample practice of reading and writing. There is a focus on communication with accuracy through an authentic cultural context. Through partner-work, small groups, and presentations, students will practice their communication and written skills in French. There is also an introduction to French grammar and new vocabulary throughout the units. There is a CD and DVD program that enriches listening comprehension and highlights cultural aspects.

A selection from the following units will be covered:

- Ça Commence!
- Mémo-Photos
- Salut, mes amis!
- Bon appétit!
- Venez chez nous!
- Incognito
- À toi le choix!

FRENCH 9

Prerequisite: French 8

Text: *Ça Marche 2*

French 9 continues in the *Ça Marche 2* program. In this course there is continued emphasis on building the student's proficiency in communicating in French. Throughout this course, the speaking and listening aspects of the French language are emphasized, although there is ample practice of reading and writing. There is a focus on communication with accuracy through an authentic cultural context. Through partner-work, small groups, and presentations, students will practice their communication and written skills in French. French grammar and new vocabulary are presented throughout the units. There is a CD and DVD program that enriches listening comprehension and highlights cultural aspects.

A selection from the following units will be chosen:

- L'école de l'avenir
- Aventures en plein air
- Mon style, ma mode
- Mordu du sport
- Musique-mania
- Action jeunesse

FRENCH 10

Prerequisite: French 9

Text: *Ça Marche 3*

French 10 continues in the *Ça Marche* program. In this course there is continued emphasis on building the student's proficiency in communicating in French. Throughout this course, the speaking and listening aspects of the French language are emphasized, although there is ample practice of reading and writing. There is a focus on communication with accuracy through an authentic cultural context. Through partner-work, small groups, and presentations, students will practice their communication and written skills in French. French grammar and new vocabulary are presented throughout the units. There is a CD and DVD program that enriches listening comprehension and highlight cultural aspects.

A selection from the following units will be covered:

- Ma chambre, ma vie!
- Mes trésors, mes souvenirs
- Mission: emploi
- Films l'affiche!
- Nous, les Canadiens

FRENCH 11

Prerequisite: French 10

Text: *Voyages 1*

French 11 is a continuation of the *Ça Marche* program used in grades 8, 9, and 10. Within the framework of the communicative learning approach, the course provides development of the students' skills in speaking, listening, reading and writing. Increasing time is devoted to grammar, verb tenses, and written composition skills. Each unit involves the preparation and presentation of a unit project that involves written, oral and visual components. Cultural content is also an aspect of this course. Students should achieve a final standing of C+ before considering taking French 12 the following year.

A selection from the following units/themes will be chosen:

- À Table
- Face aux Défis
- Les Souvenirs d'Enfance
- C'est Tout un Canada
- Paroles et Images

FRENCH 12

Prerequisite: French 11 with at least a C+ standing recommended

French 12 is taught using a variety of resources including the *Voyages 2* Textbook, Short Story Books and Novels. The course provides development of the students' skills in conversation, reading, and writing at an advanced level. Increasing time is devoted to verb tenses, written composition skills, and writing styles. Students will spend considerable time reading, doing novel study, and exploring cultural content. Each term involves the preparation and presentation of a unit project that involves written, oral and visual components.

A selection of themes/units will be chosen from a variety of resources:

- *Voyages 2* (Various Themes)
- *Rencontres & Découvertes* (French Canadian Literature)
- *Le Petit Prince* (Novel)
- *Le Fantôme de l'Opéra* (Novel)
- *Petit Nicolas* (Novel)

MODERN LANGUAGES CONTINUED

JAPANESE

BEGINNERS' JAPANESE 11

Prerequisite: No previous Japanese is required.

Open only to students in grades 9, 10, 11 and 12

Beginners' Japanese is an intensive introductory course. Emphasis in this course is placed on listening, speaking, reading, writing, and non-verbal communication. Students learn to read fluently and to write the Hiragana and Katakana components of the Japanese writing system. The following topics will be covered: greetings, personal introductions, counting, hobbies, likes/dislikes, daily routine, telling time, organizing a party, telephone conversation, talking about seasons and activities, Japanese folk tales, etc. Kanji will be introduced from the beginning of term 1.

Course Textbooks:

- Obentoo Level 1
- Obentoo Workbook Level 1

JAPANESE 11

Prerequisite: Beginners' Japanese 11

Japanese 11 is a continuation of Beginners' Japanese 11. Emphasis is placed on listening, speaking, reading, writing with more attention given to oral presentations, skits, conversations, and compositions. Students will learn many new structures and the vocabulary to accompany them. Kanji will continue to be taught. Topics in this course will include: Japanese media, sports heroes, foreign exchange students, part-time jobs and environmental issues.

Course Textbooks:

- Obentoo Level 2
- Obentoo Workbook 2

JAPANESE 12

Prerequisite: Japanese 11

Japanese 12 is designed for students who were successful in Japanese 11 and who wish to learn how to communicate in complex Japanese.

The emphasis is on the incorporation of the four skills at a very advanced level. Students will be spending a considerable time reading authentic Japanese texts, expressing thoughts on various topics verbally and in writing. Students will be learning many complex sentence structures. Kanji will continue to be taught and incorporated in writing.

Course textbooks:

- Obentoo Level 3
- Obentoo Workbook Level 3

HENGEMINEM = MUSQUEAM LANGUAGE 11

Prerequisite: None

This course is an introduction to Musqueam, one of the Salish languages of British Columbia. Emphasis is on accurate pronunciation and listening skills, conversational ability, basic literacy skills, an understanding of basic grammatical structures, and the study of oral traditions in their cultural context. No prior knowledge of the language is required or assumed.

SPANISH

BEGINNERS' SPANISH 11

Prerequisite: No previous Spanish is required.

Open to students in Grades 10, 11, and 12

Website subscription: Señor Wooly

Beginners Spanish 11 is an intensive introductory course. The initial focus is on listening and reading, but students will also speak and write in order to develop the necessary grammatical structures and vocabulary. Some customs, culture and traditions of Spanish-speaking countries are introduced.

Topics include:

- Family
- Descriptions
- Food
- Greetings and Farewells
- Likes, dislikes, wanting, having, giving
- Numbers
- School
- Sports and pastimes

SPANISH 11

Prerequisite: Beginners' Spanish 11

Website subscription: Señor Wooly

Novel: Various

Spanish 11 extends the knowledge developed in Beginners' Spanish 11 focusing on using more complex grammatical structures and expanding students' vocabulary. Students may read a short novel developed for students at their level. Students will develop their listening, reading, writing and speaking. Topics include:

- Family
- Descriptions
- Food
- Greetings and Farewells
- Likes, dislikes, wanting, having, giving
- The environment
- Basic Latin American history
- School
- Sports and pastimes
- Shopping
- Transportation

SPANISH 12

Prerequisite: Spanish 11

Can be taken concurrently with Spanish 11 (on the recommendation of the teacher.)

Website subscription: Señor Wooly

Novel: Various

Spanish 12 extends the knowledge of Spanish 11. Students will develop their listening, reading, writing and speaking. Students will develop the skills to argue their perspective, express opinions and support their arguments. They will also be able to express their plans goals and intentions. Students will also exchange ideas and thoughts about areas of personal interest. They may also read short novels, analyse them critically and compare them to current ideas. They will explore a wide variety of topics.

PERFORMING ARTS

DRAMA

DRAMA 8 / ART 8

Prerequisite: None

This program enables a student to take a five month introductory course in each discipline. In Drama 8, students have the opportunity to build confidence through their onstage performances and connect with other students through numerous group work opportunities.

DRAMA 9

Prerequisite: None

This full year course provides instruction in improvisation (spontaneous and prepared), as well as individual and small group work in short scripted scenes and plays. Emphasis is on vocal projection and building performance confidence.

DRAMA 10

Prerequisite: None

This course continues development of basic improvisational skills, vocal projection, and stage presence. Greater attention will be given to the development of character in both improvised and scripted roles.

ACTING 11

Prerequisite: Drama 8, 9, or 10

This course opens with a review of skills acquired in the junior drama program, followed by a concentrated work in improvisation, and script work. Students work on scenes chosen to develop their ability to perform in a variety of acting styles.

FILM STUDIES 12

Prerequisite: None

This course is designed to encourage students to think more critically about movies. We will be watching over 30 films, as well as discussing and analyzing them. Students will also write film responses and compile film lists. Then, in the third term we will go on a field trip to the Pacific Cinematheque for all-day film screenings of student selected films. At the end of the year, students will be responsible for programming the final films of the course.

THEATRE CRITICISM 11/12

..... OFF TIMETABLE

Prerequisite: None

Students will be able to enhance their learning opportunities, beyond the classroom, attending and experiencing a variety of styles of dramatic and musical productions performed and produced by amateur and professional companies throughout the lower mainland. The students will learn and analyze topics such as play style, venue choice, casting, direction, sets, costume, lighting, acting, and much more. Due to the nature of the class it will run off timetable once a week with trips to performances on alternate weeks. This is a 120 hour full credit course.

JUNIOR BREEZEWAY THEATRE COMPANY/ MUSICAL THEATRE

..... OFF TIMETABLE

Prerequisite: None, but preference will be given to students who are co-enrolled in Drama 10.

The focus of Junior Theatre Company will be primarily on performance. Students will be expected to perform in two productions. Those interested in Musical Theatre will have access to that genre. The course will run off timetable on Tuesday's, 3:30-5:30 pm (with rehearsals throughout the week based on student availability and need). Students will be exposed to all aspects of theatre from the production, directing, writing, crew side to the acting performance side. Students must also have a full daytime timetable to apply.

THEATRE PRODUCTION

10 ON TIMETABLE

11/12..... OFF TIMETABLE

Prerequisite: None

This course is offered to grade 9 - 12 students and may be taken in subsequent years. This course is intended for students with an interest in the production aspect of theatre and film, such as set design, computer drafting / 3-D design, lighting, projection, sound, scenic painting, invention, and innovation. This course supports the school drama productions in the Breezeway Theatre.

SENIOR BREEZEWAY THEATRE COMPANY/ MUSICAL THEATRE

..... OFF TIMETABLE

Prerequisite: Drama 8, 9, or 10

Audition may be required (based on demand)

This is an intensive Acting 11/12 course where students are expected to perform in two major productions. Those interested in Musical Theatre will have access to that genre. The course will run off timetable on Tuesday's, 3:30-5:30 pm (with rehearsals throughout the week based on student availability and need). Audition may be required (based on demand) If there is a high demand for the class, auditions will be held in the Spring.

ACTING 12

Prerequisite: Acting 11

This course is intended for students who have a keen interest in script analysis, character development and performance.

DIRECTING 12

Prerequisite: Acting 11

Co-Requsite: Acting 12

Students enrolled in this course will be expected to take responsibility for selection and direction of longer scenes and short one-act plays. They will also be required to participate in an Acting class in a performance capacity.

MUSIC

CHOIR

JUNIOR CONCERT CHOIR 8, 9 ON TIMETABLE

Prerequisite: None

Open to students in Grades 8 and 9

This large performing choir welcomes all singers in grades 8 and 9. The group sings music ranging from early classical to pop and gospel while learning vocal production, music reading, and general musicianship.

CHAMBER CHOIR 10, 11, 12 OFF TIMETABLE

Audition Required in Feb/ March

All students in Chamber Choir must also be part of a large ensemble; either a concert choir, concert band, or string ensemble

This is an auditioned ensemble of 30 - 40 singers. Commitment, positive attitude, and musical ability are stressed in the ensemble, which is the top performing choir at Point Grey. A variety of music will be chosen for performances at school concerts, festivals, retreats and tours.

SENIOR CONCERT CHOIR 10, 11, 12

..... ON TIMETABLE

..... OFF TIMETABLE

Prerequisite: None

Open to students in Grades 10 - 12

This large performing choir welcomes all singers in grades 10 through 12, though new singers are welcome.

The course will build on the musical skill developed in Junior Concert Choir. The group sings music ranging from early classical to pop and gospel, while learning vocal production, music reading, and general musicianship.

While the on and off timetable classes meet separately each week, they will perform together as one choir.

CONCERT BAND

LEVEL I: BEGINNER BAND 8, 9, 10, 11, 12

..... ON TIMETABLE

Prerequisite: None

Open to students in Grades 8 to 12.

No experience is needed for this introductory band course. Basics of playing and musicianship will be covered. Students will choose one of the following instruments:

- Alto sax
- Baritone
- Baritone sax
- Bass clarinet
- Bassoon
- Clarinet
- Flute
- French horn
- Oboe
- Percussion
- Tenor sax
- Trombone
- Trumpet
- Tuba

LEVEL II: INTERMEDIATE BAND 8

..... ON TIMETABLE

Prerequisite: Elementary School Band or equivalent

Open to students in Grade 8

This course will build on the musical skills developed in elementary school or junior band. Concerts and other activities will be a component of this course.

LEVEL III: CONCERT BAND 9

..... ON TIMETABLE

Prerequisite: One year experience

This is a performance course for students with at least one year of playing a band instrument. A wide variety of music will be learned, as well as continued emphasis on musical development. Concerts and other activities will be a component of this course.

LEVEL IV: SYMPHONIC BAND 10, 11, 12

..... ON TIMETABLE

..... OFF TIMETABLE

Prerequisite: Concert Band 9/10 or equivalent

This is Point Grey's most advanced concert band. The Symphonic Band will play more music concerts and may be involved in a tour. A wide variety of music will be learned, with a continued emphasis on musical skill development.

JAZZ

JAZZ BAND 10, 11, 12 OFF TIMETABLE

Prerequisite: Must be concurrently enrolled in a Concert Band or Strings class.

Students interested in playing jazz should sign up for the Jazz Band course corresponding to their grade. Students will be placed in Jazz Band A, B, C, or D in September according to their playing ability. Jazz Band classes will typically run one morning and one afterschool per week.

STRING ENSEMBLE

LEVEL 1: JUNIOR STRINGS 8, 9, 10

..... ON TIMETABLE

Prerequisite: None

Open to students in grades 8-10 Violin, Viola, Cello and Double Bass players are welcome

Bowing techniques, orchestral ensemble, rehearsal and performance skills will be strongly emphasized. Performance with the ensemble is an essential portion of the class.

LEVEL 2: SENIOR STRINGS 10, 11, 12

..... ON TIMETABLE

Prerequisite: Strings 8 - 10 or special permission.

Open to students in Grades 10 - 12

This is Point Grey's most advanced string ensemble. This course will build on material learned in Junior Strings. The Senior Strings may be involved in a musical tour. A wide variety of music will be learned with a continued emphasis on musical skill development.

PHYSICAL & HEALTH EDUCATION

Physical and Health Education is a required course for all grade 8, 9 and 10 students. The curriculum emphasis is on personal health goals, fitness concepts and skill acquisition through individual, dual and team sports. The courses are designed to be progressively more demanding of students' abilities in the four areas of: physical literacy, healthy and active living, social and community health and mental well-being.

Each course is part of a planned program which emphasizes active living through participation in a balanced variety of activities. Activities in the three years will include: field hockey, team handball, basketball, volleyball, dance, gymnastics, weight training, fitness, track and field, table tennis, football, soccer, rugby, badminton, softball, tennis, ultimate, archery, field lacrosse and ice skating.

All senior PE students will receive course credit corresponding to their grade level.

Physical Education Uniforms

T-Shirt - \$12.00 ▪ Hooded Sweat Shirts - \$40.00
Shorts - \$18.00 ▪ Sweatpants - \$30.00

PHYSICAL & HEALTH EDUCATION 8

Prerequisite: None

PHYSICAL & HEALTH EDUCATION 9

Prerequisite: Physical & Health Education 8

PHYSICAL & HEALTH EDUCATION 9 ENRICHED

Prerequisite: Physical & Health Education 8 and Teacher Recommendation

This course is an extension of Physical and Health Education 8 for students who excel in the areas of physical fitness, movement skills, and sportsmanship.

PHYSICAL & HEALTH EDUCATION 10

Prerequisite: Physical Education 9
The Physical and Health Education 10 curriculum includes CPR, and AED

PHYSICAL & HEALTH EDUCATION 10 ENRICHED

Prerequisite: Physical Education 9 and Teacher Recommendation

Note: Physical and Health Education 9 Honours is not a prerequisite for this course. This course is an extension of Physical & Health Education 9 for students who excel in the areas of physical fitness, movement skills and sportsmanship.

CPR is an integral and mandatory part of the grade 10 curriculum and ALL enrolled students must participate with their physical education class regardless of outside certification.

ACTIVE LIVING 11/12

Prerequisite: Physical & Health Education 10

Field trips will provide a motivating environment where ALL students will discover ways to develop life-long healthy living habits through active participation in enjoyable activities in and around our neighbourhood community. These activities include: golf, bowling (10 pin and lawn), fitness class, yoga, pilates, weight training, spinning classes, different varieties of dance, aqua fit, rock climbing, skating, swimming and dragon boating to name a few.

In addition to physical activity, there will be a food studies component concentrating on healthy eating, which will focus on food selection, preparation and sports nutrition.

The course will also provide students with opportunities to develop and demonstrate leadership. These leadership qualities and skills will be required to plan, organize and safely participate in recreational events in the community such as the annual Terry Fox Run.

It is hoped that through this multitude of experiences that students will understand that physical activity and healthy eating are important parts of overall health and well-being.

NOTE: STUDENTS WILL NOT MISS THEIR OTHER CLASSES WHEN WE ARE MEETING AT A NEIGHBOURHOOD FACILITY.

FITNESS & CONDITIONING 11/12

Prerequisite: Physical & Health Education 10

In this course, the students will gain an appreciation and understanding of the benefits of weight training, knowledge of how the body reacts and adapts to training, and the importance of proper nutrition. The topics covered in this course include: Circuit Training, Lifting Fundamentals, Fitness Testing, Physiological Considerations, and Psychological Considerations.

PHYSICAL & HEALTH EDUCATION LEADERSHIP 11/12

Prerequisite: Physical & Health Education 10

This course is designed for students who want to experience Sport and Physical Education from the management and coaching perspective. The students will develop the necessary skills to:

- prepare, manage, officiate and promote tournaments and events
- prepare and manage equipment, facilities and supplies
- coach teams

Much of the course work will deal with activities outside of the school day such as Intramural leagues, extracurricular leagues, special events such as the Terry Fox Run, and VSSAA Championships.

GAMES & SPORTS 11/12

Prerequisite: Physical & Health Education 10

This **ON CAMPUS** course focuses primarily on games and sports. The time in class will be spent participating in a wide variety of co-operative games, invasive team games, minor games, racquet sports and field games. It is hoped that through this multitude of activities that students will develop healthy attitudes towards regular physical activity. Their active participation in games and sports will reinforce the importance of good decision making in the areas of fitness, personal safety and fair play, injury prevention, nutrition, mental well being and other long term benefits of physical activity.

Class activities will include many of the following:

- Cooperative Games – games that foster the spirit of cooperation and joy of playing together
- Invasive Team Games – football, soccer, handball
- Minor Games – dodgeball, 4 corner soccer
- Racquet Sports – tennis, badminton
- Field Games – soccer, football, ultimate

SCIENCE

SCIENCE 8

In this course we will use the core competencies (communication, thinking, and personal /social responsibility) to explore the following big ideas:

- Life processes are performed at the cellular level
- The behavior of matter can be explained by the kinetic molecular theory and atomic theory
- Energy can be transferred as both a particle and a wave
- The theory of plate tectonics is the unifying theory that explains Earth's geological processes

SCIENCE 9

In this course we will use the core competencies (communication, thinking, and personal/social responsibility) to explore the following big ideas:

- Cells are derived from cells
- The electron arrangement of atoms impacts their chemical nature
- electric current is the flow of electric charge
- The biosphere, geosphere, hydro- sphere, and atmosphere are interconnected, as matter cycles and energy flows through them

SCIENCE 10

In this course we will use the core competencies (communication, thinking, and personal/social responsibility) to explore the following big ideas:

- Genes are the foundation for the diversity of living things
- Chemical processes require energy change as atoms are rearranged
- Energy is conserved and its transformation can affect living things and the environment
- The formation of the universe can be explained by the big bang theory

LIFE SCIENCE 11

Prerequisite: Science 10

This course has been designed to give the student a good overview of the types of functioning of life forms. The core material to be covered is:

- Evolution and Adaption Genetics
- Microbiology (viruses, monerans and protists)
- Plant Diversity (algae, mosses, ferns, gymnosperms and angiosperms)
- Invertebrate Zoology

CHEMISTRY 11

Prerequisite: Science 10

This course is intended for students:

- In grade 11 who require a grade 11 science
- Who wish to continue the study of chemistry
- Planning to take Biology 12 (for the organic chemistry section) concurrently

The basic feature of this course is that theories and arguments are based on experimental observations recorded by the student or, in some cases, based on the work of others. Laboratory work will be emphasized in this course. Topics to be covered are:

- Introduction to Chemistry
- Atomic Structure
- The Mole Concept
- Chemical Reactions
- Solution Chemistry
- Organic Chemistry
- Stoichiometric Chemistry
- The Periodic Table
- Chemical Bonding
- Chemical Names and Formulae

It is recommended that each student have a good scientific calculator. A laboratory folder will be required.

EARTH SCIENCE 11

Prerequisite: Science 10

Earth Science 11 is a survey course designed to introduce students to the diverse aspects of earth and space science, and offers applications to the real world. Through the investigation of geologic processes, students will become aware of their role as custodians of our planet and develop an appreciation of the impact of human activities on both local and global environments.

Organizers:

- Earth and Its Environment: Introduction
- Geological Science: Earth materials; weathering and erosion; Tectonics and Volcanism; Tectonics and Earthquakes;
- Resources and Environment
- Oceanographic Science: Oceans
- Astronomical Science: Observing the Universe; Stars and Galaxies; the Sun and the Solar System; the Earth and Moon; Space Technologies
- Atmospheric Science: The Atmosphere; Pressure and Winds; Evaporation;
- Precipitation and Weather
- Earth's History: Geologic Time

PHYSICS 11

Prerequisite: Science 10

Physics 11 is intended to be accessible to students who have successfully completed junior science and mathematics courses.

Physics 11 is an introductory course that provides students with insight into the scope, nature, and relevance and of physics. The topics covered in this course are:

- Kinematics and dynamics in one dimension
- Projectile motion
- Mechanical and heat energy
- Wave properties
- Electric circuit
- Nuclear Physics

ANATOMY AND PHYSIOLOGY 12

Prerequisite: Science 10 although Biology 11 is preferred

This course has been designed for those students who have excelled in Biology 11 and who are planning to enter college or university. Biology 11 is a pre-requisite at Point Grey because the content prepares our students to excel at the University level in Biology. Since biochemistry will be involved, a background in chemistry would also prove to be useful.

The material to be covered is:

- Cellular Biology (processes – biochemistry and structures)
- Human Biology (tissues, organs and organ systems of the body, morphology and physiology)

CHEMISTRY 12

Prerequisite: Chemistry 11

This course is intended for students in grade 12 who have shown an aptitude for chemistry. The course completes the study of chemistry in the secondary school by applying previously learned skills to an in-depth study of selected topics.

Topics covered are:

- Reaction Kinetics
- Chemical Equilibrium
- Solubility of Ionic Substances
- Acids, Bases and Salts
- Oxidation – Reduction Chemistry

PHYSICS 12

Prerequisite: Physics 11 or AP Physics 1 & Pre-Calculus 11

Physics 12 is an extension of Physics 11, taking some topics to greater depth and introducing some new topics. It provides a more mathematically rigorous treatment than Physics 11. It is recommended that students who plan to continue in the sciences or applied sciences take both Physics 11 and Physics 12.

Topics to be covered are:

- Vector Kinematics and dynamics
- Circular motion
- Mechanical energy and momentum
- Static and rotational equilibrium
- Universal gravitation
- Electrostatics
- Electromagnetism
- Special Relativity

SOCIAL STUDIES

SOCIAL STUDIES 8

Prerequisite: None

Social Studies 8 examines World Civilizations from 600 - 1750 A.D. - exploring the Early Civilizations of Asia, the Middle East and Africa; the developments in Europe from the Early to Late Middle Age; the era of discovery and exploration; and the re-birth of civilization through the Renaissance and the emergence of the Nation-State. The course focuses on developing critical thinking and analytical skills as students journey through various key events in history. Students will explore the significance of people, places and events or developments at particular times and places; major factors which influence historical events; and the short and long term consequences of those events. There is a focus on analyzing and evaluating primary sources material, assessing them for credibility, bias, and accuracy.

SOCIAL STUDIES 9

Prerequisite: Social Studies 8

Social Studies 9 will examine the years 1750 - 1900's (approximate range) and will examine the following "big ideas":

- emerging ideas and ideologies profoundly influence societies and events
- the physical environment influences the nature of political, social and economic change
- collective identity is constructed and can change over time

While topics might include the Industrial and French Revolution, the development of North America and Confederation, students will continue to develop their skills on the curricular competencies which include gathering historical significance, explaining their views and opinions and using social studies inquiry processes and skills to ask questions, gather, interpret, analyze and communicate findings and decisions.

SOCIAL STUDIES 10

Prerequisite: Social Studies 9

Social Studies 10 will concentrate on looking at Canada in the 20th Century. These issues cover three main themes: Canadian Identity, Canada in the world community and Canadian global citizenship. The importance of government structure and electoral process will also be examined as students will need to know how society functions and operates. Students will examine a variety of issues including social, cultural, legal, environment, economic and political topics. One of the goals of Social Studies 10 is for students to become critical thinkers using multiple perspectives to integrate the various disciplines of Social Studies.

EXPLORATIONS IN SOCIAL STUDIES 11

Prerequisite: Social Studies 10

Social Studies Explorations 11 is a new course that focuses on a thematic and skill based approach to history. The course incorporates elements of Human Geography, 20th Century World History, Political Science, Philosophy, and Social Justice, just to name a few. While students will continue to build on skills like critical thinking, problem solving, inquiry, effective research and essay writing, they will also be introduced to new activities such as running seminars. One goal of Social Studies Explorations 11 is to prepare students for senior Social Studies courses as well as post-secondary programs where they need to be creative and independent thinkers who can articulate ideas, manage their time and be self-directed learners.

COMPARATIVE CULTURES 12

Prerequisite: Social Studies 10

This course will examine some of the major civilizations and cultures of the world and ask students to deal with basic questions about culture and society. What is the difference between culture and civilization? What do archaeology and material culture tell us about ancient society? What are the origins of beliefs and values? What are the origins of contemporary culture? Throughout this course we will examine and discuss the nature of: religion, architecture, philosophy, art, music, social change, and contemporary global issues. The course is largely project based, with a focus on preparing students for post secondary and beyond.

PHYSICAL GEOGRAPHY 12

Prerequisite: Social Studies 10

Geography 12 will focus on environmental issues. This course will help students develop a sound understanding of geographic skills, knowledge and concepts. The course focuses on the characteristics, processes and interactions of the physical components of the Earth. These physical components are considered not only for their own inherent importance but also for the influences they exert on people's activities (eg., the ways in which the physical environment is used, misused and altered by humans). This course guides students to examine important issues that affect the world of the 21st century. It has the potential to motivate students to focus on their personal responsibilities as citizens in a rapidly changing world. A variety of evaluation methods will be used including large unit exams, quizzes, homework assignments, field studies and a research project.

20TH CENTURY WORLD HISTORY 12

Prerequisite: Social Studies 10

What was the "Cold War"? What is the "global economy"? How did the current state of global alliances and economics come about? What do your parents mean when they talk about "the bomb", J.F.K., and Vietnam? What was so special about the 60's anyway? If you are interested in answering these questions and having a greater understanding of contemporary issues, then this course may be for you. This course examines some of the major events of the 20th century focusing primarily on the period of time between the Russian Revolution and today. Students will be expected to acquire a detailed knowledge of specific trends in 20th century society. The object of the course is to provide a disciplined study of history in this century with a continued emphasis on developing critical thinking skills. Specific topics studied include:

- The Effects of World War
- The Russian Revolution
- Totalitarian States Between the Wars
- The Great Depression
- World War II
- The Cold War
- Korean War
- Vietnam War
- Asia in the 1920's and 1930's
- Events in the Middle East, China and India since 1945
- International Relations Between the Wars and the Coming of World War II
- The Consequences of the Demise of the USSR (including the end of the Cold War and the creation of the "global economy")

Evaluation is based largely on unit tests but may also include short written assignments, quizzes, presentations, debates and research essays.

LAW STUDIES 12

Prerequisite: Social Studies 10

Law 12 is a senior social studies course designed to provide students with a basic working knowledge of the Canadian legal system. The course examines such topics as: Origins of Law, Charter of Rights and Freedoms, Human Rights, Criminal Law and Civil Law. Law 12 provides students with excellent opportunities to explore applicable and realistic situations in their lives. Most students in the class are 17 -18 years old and it is essential that they understand their rights and obligations as adults in society. This course prepares them with a working knowledge of the legal system. Through class discussion, formal debates, mock trials, field trips, presentations, guest speakers, news and educational videos, newspaper projects and role-playing, students are able to participate and become active learners.

BC FIRST PEOPLES 12

Prerequisite: Social Studies 10

Students may take this course instead of Social Studies 11 or they may take both courses. The purpose of this course is to provide knowledge of the traditions and history of British Columbia's First Peoples. Specifically, the curriculum covers the cultural expressions of First Peoples in terms of artistic traditions and literature, the events that were shaped by colonialism from a First Peoples' perspective and current issues such as the land question, self-government, and the evolving nature of First Peoples' cultures.

POST-SECONDARY INFORMATION

BC UNIVERSITIES & LOCAL COLLEGES

British Columbia Institute of Technology	www.bcit.ca
Capilano University.....	www.capilanou.ca
Emily Carr University of Art & Design.....	www.ecuad.ca
Kwantlen Polytechnic University	www.kpu.ca
Langara College	www.langara.ca
Quest University Canada	www.questu.ca
Simon Fraser University.....	www.sfu.ca
Thompson Rivers University	www.tru.ca

Trinity Western University	ww.twu.ca
UBC, Vancouver & Okanagan	www.ubc.ca
University of Northern BC	www.unbc.ca
University of the Fraser Valley	www.ufv.ca
University of Victoria	www.uvic.ca
Vancouver Community College	www.vcc.ca
Vancouver Island University	www.viu.ca

UNIVERSITIES IN OTHER PROVINCES

Acadia U.	www.acadia.ca	Queen's U.	www.queensu.ca	U. of Ottawa	www.uottawa.ca
Bishop's U.	www.ubishops.ca	Ryerson U.	www.ryerson.ca	U. of PEI	www.upei.ca
Brock U.	www.brocku.ca	Saint Mary's U.	www.smu.ca	U. of Regina	www.uregina.ca
Carleton U.	www.carleton.ca	St. Francis Xavier U.	www.stfx.ca	U. of Saskatchewan	www.usask.ca
Concordia U.	www.concordia.ca	St. Thomas U.	www.stu.ca	U. of Toronto	www.utoronto.ca
Dalhousie U.	www.dal.ca	U. of Alberta	www.ualberta.ca	U. of Waterloo	www.uwaterloo.ca
McGill U.	www.mcgill.ca	U. of Calgary	www.ucalgary.ca	U of Windsor	www.uwindsor.ca
McMaster U.	www.mcmaster.ca	U. of Guelph	www.uoguelph.ca	U. of Winnipeg	www.uwinnipeg.ca
Memorial U.	www.mun.ca	U of King's College	www.ukings.ca	Western U.	www.uwo.ca
Mount Allison U.	www.mta.ca	U. of Manitoba	www.umanitoba.ca	Wilfrid Laurier U.	www.wlu.ca
Mount Royal U.	www.mtroyal.ca	U. of New Brunswick	www.unb.ca	York U.	www.yorku.ca

POST-SECONDARY WEBSITES FOR RESEARCH & REFERENCE

Type of Research	Website	Note
BC Ministry of Education	www.gov.bc.ca/bced..... www.bced.gov.bc.ca/exams	BC Ministry of Education BC Provincial Examinations BC Graduation Program Online Post-Secondary Institutions (PSI) Selections Form Online PSI Selections Instructions
Post-Secondary Education	www.educationplanner.ca www.bctransferguide.ca www.electronicinfo.ca www.aucc.ca www.ed.gov/students www.educationuk.org	Post-Secondary Program Options in BC Post-Secondary Transfer Options in BC Universities in Ontario Association of Universities and Colleges in Canada US Department of Education Education in the UK
Post-Secondary Application Systems	https://applybc.ca www.ouac.on.ca www.commonapp.org www.ucas.com	Application for PSIs in BC Application for PSIs in Ontario Application for PSIs in the US Application for PSIs in the UK
Post-Secondary Financing	www.bced.gov.bc.ca/awards www.canlearn.ca www.StudentScholarships.org https://studentaidbc.ca	BC Ministry of Education Awards CanLearn Student Scholarships Student Loans