

PRINCESS MARGARET SECONDARY SCHOOL



Princess Margaret is a caring, inclusive community where everyone is a lifelong learner.

**Grades 9 - 12
COURSE DESCRIPTION BOOK
2026 – 2027**

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HOW TO USE YOUR COURSE SELECTION HANDBOOK

"BEGIN WITH THE END IN MIND"

Course selection time is an opportunity to continue thinking about the path you are taking towards graduation and beyond. As a secondary school student, it is not expected that you will have all your plans written in stone, but it is important to research the opportunities that are appropriate for you. With that in mind, it is essential to select courses that will keep doors open.

Course selection is a process and this book is one of the tools to help you select your courses. It is expected that you will also take the time to dialogue with your parents, teachers and counsellors about the courses you will select. Further, it is expected that as a senior student, you will also be consulting career facilitators and post-secondary calendars (available on line) and websites (www.educationplanner.ca), ensuring that prerequisites are met for post-secondary programs that you are interested in. If you have any questions see your counsellor or Ms. Lee

FACTORS TO CONSIDER IN MAKING YOUR DECISIONS

Ask yourself these questions:

- Do the courses I have chosen for grade 10, 11 and 12:
 - o Meet the requirement for secondary school **GRADUATION**?
 - o Meet minimum post-secondary **ENTRANCE** requirements? (Check institution websites)
 - o Meet specific post-secondary **PROGRAM** requirements?
 - o Meet specific **EMPLOYER/CAREER** requirements?
- Are my marks high enough to meet post-secondary requirements for admission?
- If I am interested in scholarships, have I been involved in any leadership or volunteer activities?

GRADUATION REQUIREMENTS

GRADE 10	GRADE 11	GRADE 12
1. EFP Literary Studies & Writing 10	1. English 11	1. English 12 or EFP 12
2. A Mathematics 10 (2 choices)	2. A Mathematics 11 (3 choices)	2. Elective 12
3. Science 10	3. A Science 11 (5 choices)	3. Elective 12
4. Social Studies 10	4. Senior Social Studies course	4. Elective 12
5. Career Life Education 10	5. Career Life Connections + Capstone	5. Elective:
6. Physical & Health Education 10	6. Elective:	6. Elective:
7. Elective:	7. Elective:	7. Elective:
8. Elective:	8. Elective:	8. Elective:
9. Literacy 10 Assessment		9. Literacy 12 Assessment
10. Numeracy 10 Assessment		

GRAD PROGRAM

- 80 credits minimum to graduate. Each course = 4 credits
- 52 required course credits
- 24 elective credits
- 16 credits must be at the grade 12 level
- 4 credits in course work with an Indigenous focus are mandatory for graduation
- Assessments: Literacy 10, Numeracy 10, Literacy 12

STUDENT EVALUATION AND REPORTING

[Ministry of Education Reporting](#)

Students are assessed based on what they know, what they can do and what they understand. Teachers use a variety of assessment methods to determine final marks, including class work, exams, labs, projects, conversations and more.

Learning updates will include information about areas of significant growth and opportunities for further development; information about student attendance; and student-generated content including Student Self-Assessment of the Core Competencies and Student Goal Setting.

Reporting Periods:

Report Type	Typical Method	Typical Time	Type of Class
Informal	Parent Teacher Conferences	October	All
Formal	Myed	November	Semestered Classes: Mid-Term
Formal	Myed	January	Semestered Classes: Final Linear Classes: Mid-Term
Informal	Parent Teacher Conferences	March	All
Formal	Myed	April	All
Formal	Myed	January	All

Grade 8+9 Reporting

- Grade 8 and 9 students are assessed on the proficiency scale

Proficiency Scale				
	Emerging	Developing	Proficient	Extending
	The student demonstrates an initial understanding of the concepts and competencies relevant to the expected learning.	The student demonstrates a partial understanding of the concepts and competencies relevant to the expected learning.	The student demonstrates a complete understanding of the concepts and competencies relevant to the expected learning.	The student demonstrates a sophisticated understanding of the concepts and competencies relevant to the expected learning.

Grade 10 to 12 Reporting

- Grade 10-12 students are assessed using Letter Grades and Percentages:

Percent	Letter Grade	Information
86-100%	A	Excellent
73-85%	B	Very Good
67-72%	C+	Above Average
60-66%	C	Average
50-59	C-	Below Average
IE / 0-49%	Insufficient Evidence / F	Not enough evidence of learning / failing

ADMISSION TO POST SECONDARY

General Admission to B.C. Universities

- For entrance into specific universities and/or faculties (i.e. Science, Applied Science, etc.) additional courses are required
- Students are advised to check the university web sites for detailed information and speak with their counsellor or Ms. Lee

Researching Post Secondary Opportunities

- www.educationplanner.bc.ca
- Deadlines and requirements are constantly changing; students are responsible for timely submissions to post-secondary programs
- Transferring between institutions (going from KPU to UBC for example) is very simple in BC. Check out <https://www.bctransferguide.ca/>
- Admission to Colleges is usually simpler than Universities

BUSINESS EDUCATION

Accounting 11: (4 credits Applied Design, Skills & Technology)

This course provides an introduction to the basics of accounting concepts; a system to record and summarize financial events. Students will learn how to use generally accepted accounting principle (GAAP); organize data using manual methods to record, post and summarize transactions, and prepare financial statements and reports. Students will also be required to interpret financial statements and predict what changes may occur to affect the financial positions of a company.

Accounting 12: (4 credits Applied Design, Skills & Technology)

There may be some overlap at the start of the course to accommodate those students who have not completed Accounting 11. Special permission is required if students have not taken Accounting 11 but have a suitable math background. Students will effectively apply GAAP, collect data, record transactions and create and use special journals. Accounting information will be analyzed and financial statements will be prepared as the financial cycle is completed. Financial data are used by organizations to track and control assets and liabilities. Students will also learn about current business practices and the financial needs of a business.

Entrepreneurship and Marketing 9:

Introduction to Business is a course that provides students with fundamentals of the world of business. Students will gain the basic understanding of business, touching on subjects such as accounting, marketing, entrepreneurship, tourism, and economics. Through this introductory course, students interested in business can choose a specialized strand, taking senior business 11 and 12 courses.

Entrepreneurship and Marketing 10: (4 credits Applied Design, Skills & Technology)

Students will review and expand their knowledge in the areas of:

- Business communications
- Entrepreneurship
- Finance
- Accounting and
- Marketing

Moreover, students will also be introduced to topics such as consumerism, economics, business law, and international business. Students will learn these lessons through class discussions, readings, research projects, brief reports and presentations. Students will also explore how to setup of your own small business.

Marketing and Promotion 11: (4 credits Applied Design, Skills & Technology)

Students will explore the world of marketing and promotions within a variety of contexts. Students will investigate how products are created from design to development and explore strategies including test marketing, segmentation, targeting and positioning. Legal and ethical considerations will also be discussed in advertising and social marketing. Students will also work on developing their interpersonal and public relation skills to help interact with potential customers. Students will design and create their own product and develop a marketing plan.

E-Commerce 12: (4 credits Applied Design, Skills & Technology)

E-Commerce 12 & Marketing 12 is a study of national and international marketing with an emphasis on Pacific Rim countries and new concepts of e-commerce. Topics include marketing research, product planning, product enhancement, sales promotion and advertising, transportation and distribution. Students will be actively involved in the daily operation of the school store.

Entrepreneurship 12: (4 credits Applied Design, Skills & Technology)

This course focuses on ways in which entrepreneurs recognize opportunities, generate ideas, and organize resources to plan successful ventures that enable them to achieve their personal goals by satisfying the needs of others. Students learn about values, traits, and skills most often associated with successful entrepreneurial activity.

Economics 12: (4 credits Applied Design, Skills & Technology)

With Trump and Trudeau, economic concepts are more important than ever. This is a must for any student wishing to enter university or business school. Also, to excel in today's business world, you must have a good understanding of how economics governs our lives. We cover both microeconomics and macroeconomics. Topics include: supply and demand, production/distribution, labour, role of government, international trade, decision making in business. Students may apply these topics in activities that include discussion of current events, entrepreneurial games, the stock market game, projects, debates, and global studies.

YEARBOOK

Yearbook 10: (4 credits)

If you are a student that loves being creative and is a team player, then yearbook is the class for you. In the yearbook course, you will learn about photography, graphic design, journalistic writing, and marketing. Yearbook is a very dynamic class that allows students to work together to come up with design solutions. This class requires students to volunteer outside of class hours, but the reward is worth the sacrifice. The grade 10 course will be run over the course of a semester, and it will act as an introduction to the senior yearbook program.

Yearbook 11 /CLC 12: Full Year (8 credits)

This course will be a linear, yearlong course paired against CLC and both courses will be taught by the same teacher. This course focuses on development of skills in Adobe programs, photography, graphic design, and journalistic writing. This class requires you to commit to time outside of class hours and to multitask. Being in the yearbook program looks great on a student's resume because students gain real-world skills like setting goals, meeting deadlines, and teamwork. CLC is a graduation requirement, and the course description is included in the Careers section of this guide. CLC in this combined course will have a special emphasis on marketing, visual graphics, and business.

Yearbook 12 /Study: Full Year (4 credits)

For senior yearbook, you will further build on the skills in Adobe programs, photography, graphic design, and journalistic writing. You will take on leadership roles and learn how to run a team by working collaboratively and make important decisions that will shape the face of the yearbook. Students gain real-world skills like setting goals, meeting deadlines, and teamwork throughout the whole production process. This class requires you to commit to time outside of class hours and to multitask. This is a great course for anyone who wants to pursue a career in graphic design, journalism, or media-based arts. Yearbook 12 will be paired with an alternating study and the course will be linear.

INFORMATION TECHNOLOGY

Information and Communications Technologies 9:

This course is one of the most useful classes that you will ever take. Using the Microsoft Office suite of products, you will learn very important computer skills including word processing (format a report for English), spreadsheets (make a graph for Science), and presentation programs (for all of your

classes). You will develop proper keyboarding skills. Become aware of security threats such as viruses, spyware, cyber bullying, and how to keep you and your family safe. You may also try out Photoshop, website creation, programming, video editing, or other programs.

Computer Studies 10: (4 credits Applied Design, Skills & Technology)

In this course, students will gather in introduction to computer hardware basics, computer programming and software development. Students will also explore graphic design (using Adobe Illustrator and Photoshop) and create their own images. Students are introduced to 2D and 3D modelling and animations. Students will also explore and build their own website and videogame.

Computer Information Systems 11 & 12 (4 credits Applied Design, Skills & Technology)

Students will build on their previous skills in desktop publishing and graphic design using Adobe Photoshop/Illustrator/Animate. Students will build upon their 2D and 3D modelling and animation skills using Adobe Animate and 3DS Studio Max. Students will also explore the impacts of social media and new technologies on society.

Computer Programming 11: (4 credits Applied Design, Skills & Technology)

Computer Programming 11 is focused on using the program PYTHON to learn aspects of computer programming that address: design opportunities and specifications; problem decomposition, development and structures within existing code, modifying existing code (strategy and methods); program development processes and tools; pre-built libraries, use of test cases; and computational thinking processes. Course is set at a beginner level and previous experience in coding is not required. Due to high demand for the course, a student application form is required for entry, which includes a teacher reference section. This course MAY be offered in a hybrid format where students attend class every other day and use their hybrid day to complete learning at home or in the library.

Computer Programming 12: (4 credits Applied Design, Skills & Technology)

In Computer Programming 12, the course builds on Grade 11. Program used in Computer Programming 12 is JAVA but can also be decided by the class. The students will work towards understanding advanced programming structures; improve their documentation development; learn collaboration tools as well as U/I design, advanced pair programming and error handling and debugging. Course is structured as an independent learning, project-based course. Previous coding experience for Computer Programming 12 is strongly recommended. Due to high demand for the course, a student application form is required for entry, which includes a teacher reference section. This course MAY be offered in a hybrid format where students attend class every other day and use their hybrid day to complete learning at home or in the library.

Business Computer Applications 12: (4 credits Applied Design, Skills & Technology)

For students looking to develop their business and computer skills in a light and fun environment. Topics will include current events and trends in business, while further developing a student's ability to TOUCH-TYPE (speed, accuracy, technique) while also becoming comfortable using Microsoft Office: Microsoft Word, PowerPoint, and Excel. Industry standards for touch typing is above 60 correct words per minute. What is your speed and accuracy? Train now and reap the benefits for the rest of your life! If you are new to computers or want to improve your skills, this course is perfect for you. Students will learn techniques in creating professional looking documents for future employers and university professors. Students will also explore the world of communication via the internet and social media. Various internet tools will be used to explore the current world of social media and how businesses communicate online. All students of all skills levels are welcome to take this FUN and valuable course.

Digital Communications 11 & Digital Media Development 12: (4 credits Applied Design, Skills & Technology)

Online communications is changing the way people present and retrieve information. In this course students will explore issues related to digital communications and social media. Students will explore how journalism has changed as well as ethical and legal considerations with digital communications.

CAREER COURSES & PROGRAMS

Career Life Education (CLE) 10:

This course is required to graduate. In CLE 10, students will explore different educational and career paths, financial planning, and elements of health and wellness. Students will refine their understanding of the links between personal development and their career decisions. It is in CLE 10 that students will start to build the foundation of their post-graduation educational and/or career plans through knowledge gained from their course work, research and learning experiences from both inside and outside the classroom.

Career-Life Connections (CLC) 12:

This course is required to graduate and is typically taken in grade 11. In CLC, Grade 11 students will explore how career-life decisions are influenced by internal and external factors, including local and global trends. They will learn self-advocacy and networking skills while also reflecting upon important career and life connections such as work/life balance. Students will examine important factors such as employment marketing strategies, and rights and regulations in the workplace, including safety. Exploration and reflection is included on ways to represent themselves, including consideration of personal and public profiles, and digital literacy. Finally, the course aims to make students aware of the relationship between citizenship, lifelong learning and career-life opportunities for people and communities. A final project, the Capstone, is an embedded within this course. Reflecting on the learning experienced while in high school, students choose a topic and medium of their choice to present its relevance to the transition into adulthood, post-secondary training or the workforce.

CAREER PROGRAMS:

Career programs provide students with a unique opportunity to combine their academic studies with a career-related work experience. It opens the door to a world of experience that a classroom could never provide. Work experience courses provide students with an opportunity to:

- Explore career choices to make informed decisions.
- Gain valuable experience with workplace situations and equipment.
- Increase confidence and self-reliance.
- Develop awareness of personal qualities essential for success in the workplace.
- Obtain references and contacts that will assist in securing a job.
- Receive ministry-approved course credit towards graduation.

There are three types of career programs at the high school level:

- Career Preparation Co-Op Programs
- District Partnership Programs
- District Academic Dual Credit

CO-OP:

In addition to the traditional work placements, students attend career exploration field trips and receive course credit for the following classes

- Social Studies 10
- English 10
- Work Experience 12A
- Work Experience 12B
- CLE 10

District Partnership Programs:

The Surrey School District, in partnership with local post-secondary institutes and SkilledTradesBC, offers a wide variety of Partnership Programs for district high school students. These enable students to begin training in a specific occupation and to save money. The Surrey School District pays the tuition. Students who participate in a Partnership Program may receive elective credits toward secondary school graduation; post-secondary credit and / or SkilledTradesBC technical trades apprenticeship training. Interested students should go to the PM Career Centre for additional information and to obtain an application package before January of their Grade 10 or Grade 11 year.

- | | | |
|--|---|--|
| • <u>Automotive Service Technician</u> | • <u>Culinary Arts</u> | • <u>Horticulture</u> |
| • <u>Baking and Pastry Arts</u> | • <u>Early Childhood Education (ECE)</u> | • <u>Metal Fabrication</u> |
| • <u>CADD/Drafting</u> | • <u>Electrical</u> | • <u>Millwright</u> |
| • <u>Carpentry</u> | • <u>Explorations in Aviation Careers</u> | • <u>Painter</u> |
| • <u>Collision and Refinishing Common Core</u> | • <u>Hairstylist</u> | • <u>Piping</u> |
| • <u>Construction Craft Worker (CCW)</u> | • <u>Heavy Mechanical Trades</u> | • <u>Welding</u> |

District Academic Dual Credit Courses:

Dual credit courses enable students to receive credit for post-secondary courses while, at the same time, earning high school credit towards their graduation. Kwantlen Polytechnic University, Douglas College, Simon Fraser University, and Nicola Valley Institute of Technology provide Surrey School District students with the opportunity to take post-secondary courses, tuition-free, while they are still in high school. However, please note that students are responsible for the tuition for the Emily Carr Headstart in Art course.

Interested students should go to the PM Career Centre for additional information and to obtain an application package before January of their Grade 10 or Grade 11 year.

[Community and Public Safety](#)
[Graphic Design Course](#)
[Headstart in Art](#)
[High School on Campus](#)

[Introduction to Health Science](#)
[Introduction to Legal Office Procedures](#)
[Introduction to Practice for Child and Youth Care Counsellors](#)

COUNSELLING

Student Last Name	Counsellor
A	Ms. Johnson
B-G	Mr. Dym
H-O	Mr. Alparaque
P-Z	Ms. Parkinson / Ms. Gill
Grade 12 Advisor / Post-Secondary and Scholarship Support	Ms. Lee

The Counselling Department endeavors to assist students to acquire the skills, knowledge and attitudes necessary to:

- know and appreciate themselves
- relate effectively to others
- develop appropriate educational plans and
- explore career alternatives

Individual counselling:

Counsellors help students become aware of their own potential, make wise decisions, and deal with the educational, social and personal challenges that may confront them. A student who wishes counselling assistance may request an appointment with his/her counsellor.

Program Planning:

Counsellors and Career Resource Centre staff will assist students with short and long term planning of their educational and career goals. Staff can also help with scheduling interviews, offering courses, participating in Post-Secondary Liaison Days, arranging for guest speakers, arranging student field trips to educational institutions or vocational sites, acquiring and displaying calendars and bulletin board displays, providing vocational interest tests, organizing Career Days, making available night and summer school information.

Volunteer Opportunities – Part-time and summer employment opportunities, as well as volunteer opportunities, are posted in the Counselling and Career Centre and through the Career Center's social media site.

ENGLISH / HUMANITIES

GOALS

Goals of the English Language Arts curriculum in Grades 9-12 are to give students opportunities to:

- engage in the study of language and literature and develop a set of language and thinking skills, including how to construct meaning, think creatively and critically, analyze, evaluate, and synthesize.
- develop literacy in its broadest sense, including the ability to access, understand, process and effectively use oral, written, digital, and multimedia forms of communication for a range of purposes and audiences.
- explore Canadian literature, including authentic Aboriginal texts and world literature, to strengthen their understanding of self, others, multiple perspectives, and diverse cultures.
- sustain a lifelong sense of curiosity, a passion for reading and learning, and an appreciation of the power and beauty of language and literature.
- develop a deep understanding of language and literacy concepts and how these may be used to accomplish personal, social, and academic goals and provide fulfillment.

English 9 (4 credits)

English 9 is a comprehensive course with a focus on the skills of reading, writing, speaking, listening and researching as applied to literature and current events. The redesigned English Language Arts curriculum presents what students are expected to know, understand, and be able to do. The curriculum is designed to empower students by providing them with strong communication skills, an understanding and appreciation of language and literature, and the capacity to engage fully as literate and responsible citizens in a digital age. English 9 is also the study of people's interaction with their physical and social environment. Students are guided in their learning to think critically, creatively, and reflectively; to construct a sense of personal and cultural identity; and to be respectful of a range of perspectives and worldviews. The core competencies - communication, thinking, personal & social – are embedded into the grade 9 Language Arts program.

Humanities 9

Humanities 9 is a year-long program that integrates English 9 and Socials Studies 9. It is designed to be an interdisciplinary course using big ideas and is focused on the development of competencies to foster deeper understanding of both disciplines. Units and lessons are organized around essential questions and use a thematic approach that goes beyond course content to focus on students' needs and interests, as well as include both the local and global contexts.

English First People's 10 (4 credits)

All Grade 10 students will take English First Peoples 10 (EFP Literary Studies 10 and EFP Writing 10) as it will fulfill the new Indigenous graduation requirement. EFP Literary Studies 10 is designed for students who are interested in exploring First Peoples literature in a variety of contexts, genres, and media. This provides students with opportunities to explore personal and cultural identities, histories, stories, and connections to land/place. This course is grounded in the understanding of how texts are historically and culturally constructed. Students will work individually and collaboratively to broaden their understanding of themselves and the world.

The following are possible areas of focus within EFP Literary Studies 10:

- Thematic study of First Peoples literature (e.g., family, humour, connection to land, resistance, belonging, identity)
- Locally developed First Peoples texts
- Specific First Nations, Métis, or Inuit author study
- First Peoples children's literature
- Storytelling in a First Peoples context

All Grade 10 students must also write the Literacy Assessment. This assessment is connected to all subjects, not just English.

English 11

The **English Language Arts curriculum** provides students with the opportunity to study literary and informational communications, the mass media, and experience the power of language in a written and oral format. English 11 is designed to provide students with opportunities for personal and intellectual growth through speaking, listening, reading, viewing, writing, and representing to make meaning of the world and to prepare students to participate effectively in all aspects of society. English 11 develops the theme of personal discovery. Students will be assessed on formative and summative assessment. The core competencies - communication, creative and critical thinking, personal & social awareness and responsibility – are embedded into the grade 11 Language Arts program.

Students have the choice to enroll in Literary Studies 11 or Composition 11

Literary Studies 11 (4 credits)

Literary Studies 11 explores specific themes, time periods, authors, and/or areas of the world through literature and a variety of media texts. Literature such as world, feminist, Canadian or First Peoples may be explored through poetry, short stories, novels, drama, graphic novels and children's literature. Possible areas of focus include genre-specific studies, Canadian literature, First Peoples texts, thematic studies, and specific author studies.

Composition 11 (4 credits)

Composition 11 focuses on developing students' skills in written communication. Students think critically as they explore, extend and refine their writing. They work individually and collaboratively to explore, create, and revise purposeful compositions that include narrative, expository, descriptive, persuasive and reflective pieces. Possible areas of focus include nonfiction genres, writing processes, writing for audiences, and research.

English 12

Students must take *either* English Studies 12 *or* English First Peoples 12 to fulfill their graduation requirements. **If students have not met the Indigenous graduation requirement, they MUST take English First Peoples 12.** They may also take an English 12 elective, choosing from Creative Writing 12 or New Media 12.

All Grade 12 students must also complete the Literacy Assessment. This assessment is connected to all subjects, not just English.

English Studies 12 (Prerequisite: Any one of the English 11 options)

English Studies 12 encourages the development of students' confidence, independence and appreciation in the areas of reading, writing, oral communication, viewing and representing. It continues to develop and enhance students' appreciation and understanding of important philosophical, economic, political and social issues of the 21st Century. The activities and resources are increasingly more sophisticated, but are carefully selected to appeal to the range of students' interests and abilities.

English First Peoples 12 (4 credits)

English First Peoples 12 builds upon and extends students' previous learning experiences in ELA 10 and 11 courses. The course is grounded in the First Peoples Principles of Learning. It is designed for all students who are interested in delving deeply into First Peoples oral and written literature and visual texts in a range of media. The course focuses on the experiences, values, beliefs, and lived realities of First Peoples as evidenced in various forms of text, including oral story, poetry, song, performance, film, and prose. A key feature of the course is its focus on authentic First Peoples voices (i.e., historical or contemporary texts created by or with First Peoples). In EFP 12, all students:

- examine texts grounded in a diversity of First Peoples cultures, including local First Nations or Métis communities
- extend their capacity to communicate effectively in a variety of contexts
- think critically and creatively about the uses of language
- deepen their understanding of themselves and others in a changing world
- gain insight into the diverse factors that have shaped and continue to shape their own identities
- appreciate the importance of self-representation through authentic First Peoples text
- contribute to Reconciliation by building greater understanding of the knowledge and perspectives of First Peoples

- expand their understandings of what it means to be educated Canadian and global citizens
- While the focus in EFP 12 is primarily on First Peoples voices from British Columbia, students also engage with texts that reflect First Peoples perspectives from elsewhere in Canada and throughout the world.

ENGLISH 12 ELECTIVES:

Creative Writing 12 (4 credits)

Creative Writing 12 lets students flex their imaginative muscles through a wide range of writing styles. Experiment with creativity, push boundaries beyond typical thinking, and reflect upon personal and cultural identities. Possible areas of focus in Creative Writing include contemporary creative forms, creative nonfiction, poetry & song lyrics, and multimodal creative forms that combine visual, written, and oral texts.

New Media 12 (4 credits)

New Media 12 focuses on the increasing importance of digital media and literacy in communicating and exchanging ideas. Explore and create digital and interactive media. This may include film studies, publishing, poetry, song lyrics, blogging, writing for the web, social media, gaming and podcasting. Possible areas of focus in New Media include media & film studies, journalism & publishing, and digital communication.

English Language Learner (ELL)

ELL Beginning

ELL Beginning/Reception courses are offered for new students who have been assessed at the ELL Beginning/Reception level. It is recommended that students enrol in two or three ELL courses initially to build their Basic Interpersonal Communication Skills (BICS). The ELL Beginning course will help students to develop and practice basic language skills and to become familiar with classroom routines and structures, while working on reading/writing skills in a variety of content areas (I.E., school, community, and Canadian culture).

ELL Developing

This course is the second level of ELL language development. Students will continue to build oral, reading and writing skills. Integration into non-academic courses is supported. Content areas cover general knowledge in academic areas, as well as school, community, and Canadian culture to build on foundational concepts needed for other content areas. The Developing program continues to build on Basic Interpersonal Communication Skills (BICS) taught in Beginning and extends into opportunities of more academic or unit/theme-based language. Student skills and understanding of routines and study habits are integrated into the course. The course will continue to cover general knowledge, but will focus mainly on literacy-based content.

ELL Expanding

ELL Expanding courses prepare students with language skills to consider elective courses with language demands but not entirely print based. These students augment their English acquisition through a variety of strategies to enhance their cognitive, oral, writing, and reading skills. ELL Expanding students are ready for stages of explicitly developing academic English (Cognitive Academic Language Proficiency, or CALPS). Furthermore, the course will continue to cover general knowledge but will focus mainly on English Language Arts specific content. Most students will have at least one ELL Expanding course per year; sometimes one per semester, with the opportunity to enrol in academic classes.

Academic Language for ELL 10 & 11 & 12 (4 credits)

Introduction to Academic Language ELL 10 is designed for English Language Learners who have made progress in developing their Basic Interpersonal Communication Skills (BICS) already and are ready to develop academic English (Cognitive Academic Language Proficiency, or CALPS). In this course, students grow their knowledge and skills for academic communication in English through explicit vocabulary, reading, writing, speaking, listening, viewing instruction in a sheltered environment. This course builds a bridge between students' previous learning, their personal and social identities and relationships, and the new cultural setting within which they are now interacting. This course assists students in maintaining and enhancing their first language(s) (L1) while further building their English competencies. The course is designed for ELLs at Level 3/Expanding Level, and up, on the current 5 level ELL BC Provincial Standards/Surrey District Continuum.

ELL Math

This course is designed for students with little or no previous math exposure, or students who have experienced gaps between their schooling affecting their overall numeracy skills. It focuses on increasing student's confidence in their ability to perform mathematics, to become mathematical problem solvers, to learn to communicate mathematically, and to learn to reason mathematically. By integrating math and language teaching, this course provides experiences that bridge gaps in literacy, students' math knowledge, expands their communicative competence in English, and ultimately prepares them for success and readiness in future math coursework.

FINE and PERFORMING ARTS

Art teaches about the human condition. Art calls upon imagination, fosters the ability to make decisions, and creates awareness that problems have multiple solutions. Art also develops relational understanding, attention to nuances and students' ability to frame the world from an aesthetic perspective. Studies in Art have intellectual, creative, affective, physical, and self-developing consequences that help prepare students for the demands of the 21st century. Art is a major field of employment in British Columbia.

FINE ARTS

VISUAL ARTS

ART FOUNDATION COURSES (Beginner)

Art Foundation courses present the basic skills and techniques required to create artwork at this level including drawing, painting, colour theory, 3D/sculpture or ceramics. The following courses are designed for the beginner or novice art student.

Visual Arts 9

This course will expand on areas of study introduced in the grade 8 rotation. This is a survey course offering a variety of 2D and 3D media and will introduce students to artistic practices like keeping a sketchbook. Students will be introduced to some art history and will become familiar with famous images and artists. Students will learn how to develop images, to use elements and principles of design, and to handle a variety of art materials and technology. Students will have the opportunity to work with drawing, painting, watercolor, sculpture (clay and other mediums), printmaking, and a variety of other mediums, delving deeper into techniques and inquiry. Students will participate in a semester end Free Studio Project Art Show as a fully self-directed Inquiry.

Art Studio 10/11/12 (4 credits Fine Arts)

Recommended for senior students with no previous art experience. (4 credits Fine Arts)

This is a survey course for students who wish to experience a variety of art media, suitable for any level of experience, covering a variety of 2D and 3D elements such as drawing, painting, printmaking, art history and sculptural elements, ceramics and installation. Students will participate in a semester end Free Studio Project Art Show. This a fully self-directed Inquiry.

STUDIO ARTS COURSES (Advanced)

These courses are designed for students who excel in art or have taken one of the following: Visual Arts 9; Visual Arts 10; Art Foundations 11; Art Foundations 12. A larger body of work is expected to form a comprehensive portfolio by course completion. Studio courses can be taken concurrently for students wishing to major in art at a later date.

Studio Arts 3D: Ceramics and Sculpture 10/11/12 (4 credits Fine Arts)

Prerequisite: It is recommended that students have some previous art courses (4 credits Fine Arts)

This is a course suitable for any level of experience, but specifically for students interested in focusing on 3D elements such as ceramics, wheel thrown pottery, and mix media sculpture. If you like building things, making things and getting messy, this course is for you. We will be exploring clay and pottery in depth, and also learning different building techniques working with paper Mache, fabric and wire including art history, inquiry and installation work. Students will participate in a semester end Free Studio Project Art Show. This a fully self-directed Inquiry.

Studio Arts 2D: Drawing and Painting 10/11/12 (4 credits Fine Arts)

Prerequisite: It is recommended that students have some previous art courses. (4 credits Fine Arts)

This is a course for any level of experience, but specifically focusing on deeper inquiry into the 2D arts, with more in-depth focus on different painting and drawing techniques and media. If you don't like getting messy with clay or glue, and love drawing and painting, this course is for you! The course will include inquiry, sketchbook work, art history and installation work. Students will participate in a semester end Free Studio Project Art Show. This a fully self-directed Inquiry.

PHOTOGRAPHY

Media Arts 9: Photography: level 1

Are you ready to explore the world of Photography? This is an introductory level course to photography where you learn the building blocks of photography. You will learn the technical skills required to operate a digital SLR camera and develop an understanding of the exposure triangle - aperture, shutter speed, and iso. Creating dynamic photos with different composition and elements of art will be the focus of this course. You will explore various genres of photography such as portraits, still-life, and landscape as well as an introduction to studio lighting. This course is designed to encourage students to understand the creative process, to interpret and critique works of art. You will also be introduced to Adobe suite programs like Photoshop and lightroom to enhance your photo.

Photography 10: (4 credits Fine Arts) level 1

Are you ready to explore the world of Photography? This is an introductory level course to photography where you learn the building blocks of photography. You will learn the technical skills required to operate a digital SLR camera and develop an understanding of the exposure triangle - aperture, shutter speed, and iso. Creating dynamic photos with different composition and elements of art will be the focus of this course. You will explore different genres of photography such as portraits, still-life, and landscape as well as an introduction to studio lighting. This course is designed to encourage students to understand the creative process, to interpret and critique works of art. You

will also be introduced to Adobe suite programs like Photoshop and lightroom to enhance your photo.

Photography 11: (4 credits Fine Arts) level 2

This course is for students that have taken photography level 1 prior to enrolling. Students must have basic knowledge of camera operation and image composition.

In this intermediate level of photography, you will have the opportunity to further develop your understanding of Photography. Emphasis on this course is to build on your prior knowledge on composing images in photography and focus on exploring different ideas to create compelling and personally meaningful photos. You will learn ways to manipulate light by learning about studio lighting in greater depth and how to post-process images in adobe programs to create purpose driven images. You will be engaging in inquiry projects based on your interest and apply different genres of photography in your own work. You will develop your own personal approach to image making throughout the course. Sharing images on digital platforms will allow you to present your newly acquired skills and creations with others.

Photography 12: (4 credits Fine Arts) level 3

This course is for students that have taken photography level 2 prior to enrolling. Students must have basic knowledge of camera operation, image composition, and has an interest in mastering photography as an art form.

Are you interested in becoming a photographer or further exploring photography as a medium of art? This course is to motivate personal growth and your development as an artist. Self-directed projects explore various topics such as photojournalism, fashion photography, event photography, advertising and product photography, portrait photography, or specific techniques in photography. The focus of this course is to build a body of work that will work as a portfolio. It is expected that you are self-motivated, work independently to engage in projects to develop your unique personal style, and meet deadlines. You will have the opportunity to present your work digitally or in a print format. This is a great opportunity to start or complete your portfolio for admission into art and photography programs at Kwantlen and other post-secondary schools.

VIDEO PRODUCTION

Media Arts 09: Video Production

This course is designed to introduce students to basic concepts of video production and film making. Students will learn basic camera skills, shot composition, script-writing, and computer-based digital video editing as well as concepts used in creating videos to effectively convey a message.

Media Arts 10: Video Production (4 credits Fine Arts)

This course is designed to introduce students to basic and intermediate concepts of video production and film-making. Students will learn camera skills, shot composition, script-writing, storyboarding, and computer-based digital video editing. Students will learn skills and concepts to create a variety of short and long videos including commercials, public service announcements, documentaries, and instructional videos.

Media Arts 11: Video Production (4 credits Fine Arts)

This Video Production Course is designed for a student who has a strong interest in media technology. Video Production 11 students will learn to use a variety of concepts, technologies and skills including digital video cameras, shot composition, script-writing, storyboarding, computer-based digital video editing, and broadcast technology. Students in this course must work cooperatively in large or small groups and be self-motivated to develop their video production skills. Some out-of-class work is required.

Media Arts 12: Video Production (4 credits Fine Arts)

Students in this course produce independent projects that explore various aspects of video production including documentaries, music videos, short films, public service announcements and commercials. As well, students will learn advanced video techniques including special effects, green screens and image enhancement. Video Production 12 students will also assist Video Production 9-11 students as peer tutors. Students must be self-motivated and willing to work independently or in small groups.

PERFORMING ARTS

BAND

Music 9: Concert Band

Concert Band 9 is for Grade 9 students who have previously taken band and would like to further develop their instrumental skills. Students will experience a significant increase in complexity and excitement of repertoire over previous band levels.

Instrumental 10: Concert Band (4 credits Fine Arts)

Concert Band 10 is for Grade 10 students who have previously taken band and would like to further develop their instrumental skills. Students will experience a significant increase in complexity and excitement of repertoire over previous band levels.

Instrumental Music 11: Concert Band (4 credits Fine Arts)

Concert Band 11 is for Grade 11 students who have previously taken band and would like to further develop their instrumental skills. Students will experience a significant increase in complexity and excitement of repertoire over previous band levels.

Instrumental Music 12: Concert Band (4 credits Fine Arts)

Concert Band 12 is for Grade 12 students who have previously taken band and would like to further develop their instrumental skills. Students will experience a significant increase in complexity and excitement of repertoire over previous band levels.

Music 9: Beginner Band

Beginner Band 9 is for Grade 9 students who have not previously taken band and would like to learn to play a band instrument. These students will be part of the Concert Band class.

Instrumental 10: Beginner Band (4 credits Fine Arts)

Beginner Band 10 is for Grade 10 students who have not previously taken band in high school and would like to learn to play a band instrument. These students will be part of the Concert Band class.

Instrumental Music 11: Beginner Band (4 credits Fine Arts)

Beginner Band 11 is for Grade 10 students who have not previously taken band in high school and would like to learn to play a band instrument. These students will be part of the Concert Band class.

Instrumental Music 12: Beginner Band (4 credits Fine Arts)

Beginner Band 12 is for Grade 10 students who have not previously taken band in high school and would like to learn to play a band instrument. These students will be part of the Concert Band class.

DANCE

Dance Foundations 10 (4 credits Fine Arts)

The focus of this course is to learn basic grooving and fundamental hip hop technique. Students will work on combinations and cross the floor movements, as well as learning choreography. This class

will have three performance opportunities including the District Sharing Show, Outbreak Dance Competition, and our school show. In addition to hip hop, students will be introduced to a number of other dance genres, and will have the opportunity to create choreography.

Dance Foundations 11 & 12 (4 credits Fine Arts)

The focus of this course is to learn basic grooving and fundamental hip hop technique. Students will work on combinations and cross the floor movements, as well as learning choreography. This class will have three performance opportunities including the District Sharing Show, Outbreak Dance Competition, and our school show. In addition to hip hop, students will be introduced to a number of other dance genres, and will have the opportunity to create choreography.

Dance Technique & Performance 10 & 11 & 12 (4 credits Fine Arts)

(Recommended Prerequisite: Dance 10 for Dance 11; Dance 11 for Dance 12)

The focus of this course is to continue to build grooving and fundamental hip hop technique. The class will have three performance opportunities including the District Sharing Show, Outbreak Dance Competition, and our school show. In addition to hip hop, students will be introduced to a number of other dance genres, and will have the opportunity to create choreography.

Dance 9 & Dance Foundations 10 (Bhangra) (4 credits Fine Arts)

In this course you will learn basic Bhangra fundamentals and positioning. Students will learn two class dances and will also be given the opportunity to work on smaller group choreography. There will be three performance opportunities including the District Sharing Show, Outbreak Dance Competition, and our school show.

Dance Technique & Performance (Bhangra) 11 & 12 (4 credits Fine Arts)

This is a high energy class where you will continue to improve your Bhangra skills. Students will learn two class dances and will also be given the opportunity to work on smaller group choreography. There will be three performance opportunities including the District Sharing Show, Outbreak Dance Competition, and our school show.

Dance Choreography 10 & 11 & 12/ Dance Company 10 & 11 & 12 (4 credits Fine Arts).

(Recommended Prerequisite: Permission from instructor)

This course requires teacher recommendation. Please see the dance teacher if you are interested in taking this class.

DRAMA

Drama 9

This introductory course is for any student who wants to learn more about performing on stage. Students will work on collaborative skills and explore their artistic potential through theatre games, improvisation and group projects. Students will also develop acting skills such as voice, movement and staging.

Drama 10: (4 credits Fine Arts)

Drama 10 uses theatre games, scene-work, monologues and improvisation to explore creative self-expression. The performance component will introduce students to the essentials of acting through the exploration of body, voice, and ensemble. Students will begin to apply these skills during group and solo performances.

Theatre Performance (Acting) 11 & 12: (4 credits Fine Arts)

As members of the senior theatre class, students will be given a leadership role and a variety of performance opportunities including monologue work, short scenes and one act plays. These

opportunities may include presentation of original work, touring to local elementary schools or producing one act plays.

Theatre Production 8 & 9 & 10: (4 credits Fine Arts)

Production 8/9/10 is a component of “Castle Players” - PM’s very own theatre company. The goal of the course is to prepare a staged play to present to the school community and general public. Students will be given opportunities to work onstage as actors and offstage as part of a variety of technical crews including lighting, sound, costumes, and props. Commitment, enthusiasm and availability are essential for success. **Note: this is a year-long class that meets twice a week after school.**

Theatre Company 10 & 11 & 12: (4 credits Fine Arts)

Theatre Company is a practical performance class where students work collaboratively to produce a live stage show chosen from a variety of theatre styles including one-act and full-length plays and/or musicals. Students will gain both performance and technical experience from the following areas: acting, writing and directing, set and costume design, light and sound operation, promotion and publicity and stage management. Senior Members of the “Castle Players” have an opportunity to take on a leadership role. Commitment, enthusiasm and availability are essential.

Note: this is a year-long class that meets twice a week after school.

Directing and Script Development 11 & 12: (4 credits Fine Arts)

Explore the world of theatre creation in Directing and Scriptwriting, a dynamic course offering 11th and 12th-grade students the chance to craft compelling narratives for the stage. Students will be given a number of opportunities and approaches to develop and produce original work and adaptations, as well as published scripts. Students will have a chance to see their plays come to life and get hands-on directing experience through working with student actors.

Film & Television (Acting) 11 & 12: (4 credits Fine Arts)

Discover the art of storytelling through acting in Film & Television 11 and 12. This course is designed for students passionate about performance, offering hands-on experience in acting for the camera. Explore the transformative role of moving images in shaping identity, resilience, and cultural expression. Acting for the Camera provides a dynamic exploration of the craft, honing in on the nuanced skills required for on-screen performance.

GUITAR

Music 9: Guitar

This introductory course is for any student who wants to learn to play guitar. In the process of learning to play popular songs, students will discover the relationships between scales and chords, and between melody and harmony. Students will learn a variety of songs and will be expected to display this learning in individual and group performances.

Instrumental Music 10: Guitar (Beginner and Advanced levels) (4 credits Fine Arts)

Students will be expected to understand relationships between chords and scales and to develop music compositions which demonstrate purposeful use of melody and harmony. Students will learn a variety of popular songs in order to develop skills and build a repertoire for performance. Evaluation will be based on progress, attitude and participation in music department activities.

Instrumental Music 11: Guitar (Beginner and Advanced levels) (4 credits Fine Arts)

(Recommended Prerequisite: Guitar 10)

This course is for students who wish to perform in small music groups. Music will be chosen from a variety of popular styles, with input from students. Students will be expected to participate in live performances and to develop technology skills for recording performances in a studio setting.

Instrumental Music 12: Guitar (Beginner and Advanced) (4 credits Fine Arts)

(Recommended Prerequisite: Guitar 11)

This course is for students with advanced instrumental or vocal skills. Students will prepare music for school events and work with recording equipment in a studio setting. Students will be involved with the selection of music and the arranging of pieces. Evaluation will be based on progress and the development of a portfolio of music recorded in digital format.

KEYBOARDS

Music 9: Keyboards

Students will develop familiarity with digital music programming software and demonstrate skills through keyboard performance, computer programming and composition. Students will develop familiarity with chord structures, rhythms and notation.

Contemporary Music 10: Keyboards (4 credits Fine Arts)

Students will be expected to further develop familiarity with digital music programming software and demonstrate skills through keyboard performance, computer programming and composition. Students will continue to develop familiarity with chord structures, rhythms and notation.

Music Composition and Production 11: Keyboards (4 credits Fine Arts)

The focus of this course will be the role of technology in creating sounds, mixing performances, recording music into computers, remixing, and editing audio using digital audio software. As well, students will continue to develop keyboard performance skills introduced in Keyboards 9 and 10. Students will be introduced to some of the skills need for a career in audio engineering. Students will be encouraged to participate in music through continued development of keyboard and compositional skills.

Music Composition and Production 12: Keyboards (4 credits Fine Arts)

This course offers advanced instruction in audio engineering, including the mixing of live music, DJ skills, effects processing, and digital recording techniques. Students will oversee recordings done by a variety of small groups, and participate in school events as audio technicians. Students will use various software programs used in the production of music. As well, students will continue to develop advanced keyboard performance and composition skills in a variety of genres.

HOME ECONOMICS

Home Economics focuses on fundamental needs and practical concerns of individuals and families in a changing and challenging world; it integrates knowledge, processes and practical skills from multiple areas, including food studies, textiles, and family studies, and provides opportunities for creative applications and critical examination from global citizenship perspectives.

FAMILY STUDIES:

Interpersonal and Family Relationships 11 (Sociology) (4 credits)

Explore healthy interpersonal relationships in our global society. Learn about yourself and your relationship with others. Topics include: stages of human growth and development and how they affect you, the individual, as well as society as a whole. This course is all about the roles, rights and responsibilities of adolescence, as well your relationship with others (including your family) focusing on communication, skills in conflict resolution, intimacy and love. Take part in varied classroom activities, lively discussions, reflective journal writing and interesting projects.

Child Development and Caregiving 12 (4 credits)

Child Development and Caregiving is designed for senior students who want to learn about the physical, emotional, cognitive and social development of children. Topics of study will include: decisions to become a parent, pregnancy, early child development and care skills through the use of the "Real Care" babies program. Rights and responsibilities of children and caregivers and careers in caregiving will also be explored.

FOODS AND NUTRITION

Food Studies 9/10 (4 credits Applied Skills for grade 10)

This course encompasses the different steps in meal design and food preparation, from the growing and raising of food to the processing and cooking of a meal. We will learn about food trends and how the food we eat raises social, ethical and sustainability considerations; the choices we make in our homes and classroom may have a larger impact on the world around us. The course will also examine consumer needs and preferences and how they influence food preparation. We will learn about the elements of meal preparation and First Peoples learning of food preparation and the need to eat and grow foods locally. Labs may include: cinnamon buns, cookies, yeast breads, Buddha bowls, pizza, tacos, sushi, and soups.

Food Studies 11/12 (4 credits Applied Skills)

The goal of Food Studies 11/12 is to develop various skills from planning menus to presenting attractive meals, and increase their knowledge of the nutritional, social, and economic factors that affect food selection and preparation. Students gain an understanding of the scientific and aesthetic principles of food preparation that lead to desired standards and apply principles by adapting recipes for a variety of individual, group and family situations in a nutritious cost- and time-effective manner. Students learn to maximize the health benefits of food while planning and preparing meals and explore factors that affect an individual's nutrient requirements at each stage of life. Additionally, students may examine the environmental, cultural, and economic factors that influence food choices while increasing their understanding of the impact of food choices on others, both locally and globally, and they use this knowledge to make responsible food choices. Food labs will have several choices of recipes. Some are more challenging than others to accommodate all skill levels.

TEXTILES, FASHION AND SEWING

Textiles 9/10 (4 credits Applied Skills for grade 10)

This introductory course is for students who have an interest in learning how to sew. Students will learn about the design process while creating projects such as pyjama pants, simple tops (T-shirts), tote bags and craft & accessory items. Sewing machine and serger techniques will be learned as well as basic hand embroidery stitches. Students will learn to work with a simple commercial pattern and make simple alterations to personalize their projects while considering ways to minimize waste and the impact on the environment. Students will learn a variety of sewing techniques and will apply the elements and principles of design in their choices. The role of Textiles in First Peoples cultures will be explored.

Textiles 11/12 (4 credits Applied Skills)

DESIGN! CREATE! DEVELOP YOUR CLOTHING STYLE! This course is for all senior students regardless of sewing ability. This course will be adapted for students of all ability levels as they learn about the design process. They will develop or refine sewing skills practising sewing machine & serger techniques. Sewing projects include sportswear items such as sweatshirts, hoodies and pants, skirts, bags, fashion accessories and craft items. Beginners are welcome as projects and patterns will be selected according to student desire and experience. Upcycling (taking a ready-made item and creating something new) will be explored, as well as, environmental and ethical impacts of our clothing choices and First Peoples textile practises. Students will explore the influence of fashion and textile choices, including socio-economics, media influences and global and environmental considerations. Students will learn more advanced techniques for clothing fitting and alterations. Wardrobe evaluation and fashion sketching/design may be included.

LEADERSHIP

Student Leadership 9

This course, which is taught inside the regular timetable, is designed to introduce students to the idea of becoming a leader right here in our own community. Students will study current trends in leadership as well as learn how to work together as a team to design projects. Students will be given the opportunity to assist the senior Leadership classes with certain events, thus allowing the students to develop skills needed to plan, organize and run a special event of their own. Evaluation is based on assignments, public speaking skills, group projects, personal goals as well as participation in many interactive activities. Due to the nature of this course, students must be flexible and committed to informally volunteer time outside regular class time to ensure events happen according to deadlines. Students choosing to be in this course should have excellent attendance, work habits and initiative; a proficient standing, a sincere desire to help build a more positive community, and a commitment to working in a team to complete projects. **Students must also complete a Student Leadership 9 Application Form which includes teacher recommendations.**

Physical and Health Education 10 (Recreation Leadership) (4 credits)

This is a regular Grade 10 PHE class and includes all the games, activities, and fitness of a regular PHE class, but with the addition of mandatory volunteer hours, outside of class time, where students will be responsible for organizing, setting up, assisting and facilitating various athletic events around the school. Students will have the opportunity to lead games, fitness activities and become more involved in their own learning. This is an interactive course for students where they participate in various practical simulations, activities, exercises, games and teambuilding, to learn basic skills of problem solving, critical thinking, communication, sportsmanship, and other leadership- oriented skills. Students also help to run the school athletic programs, so it is a perfect course for those interested in helping to run various athletic events over the course of the year. Some of our projects include planning and organizing the pep rallies, sports tournaments and training in how to run various home games for our sports teams. The course is supplemented with a series of field trips that emphasize teambuilding and the importance of working together. This course is highly recommended for those that want to work with self-motivated and like-minded students who want to have fun in and out of the classroom! **Other prerequisites:** Excellent attendance, and good work habits. Potential interviews with the instructor, or other teacher recommendations and references may be used to select the most appropriate students for the class.

Leadership 10/11/12: Intramurals (4 credits)

This course, which is taught outside the regular timetable, is designed for senior Intramural Leadership students, looking to build upon the skills taught in Leadership: Intramural 10 (team building, planning events and running meetings, organization, time management and general

communication skills) and moving towards mentoring their very own small intramural group. Evaluation is based on class assignments and personal reflections, public speaking skills, group projects, personal challenges as well as participation in many interactive activities. The structure of this course demands that students work well as individuals and in highly interactive groups. Therefore, anyone planning on taking Intramural Leadership must be flexible and committed to meet informally outside regular class time to ensure events happen according to their deadlines. This course provides students with an excellent set of skills that will help prepare them for their future post-secondary studies.

Prerequisites:

- Excellent attendance, work habits and initiative
 - C+ or better average
 - Must be able to attend classes before and after school as well as at Lunchtime
 - A sincere vision and direction in the organization and execution of lunch time sports/activities
 - Committed to helping lead others in a group environment
 - **Completed Student Intramural Leadership Application Form which includes teacher recommendation**
-

LEARNER SUPPORT PROGRAMS

Learner Support is provided for students who require additional help so that they can be successful in school. The Learning Support teachers serve students through a variety of different roles, including:

- In-class support
- Helping classroom teachers adapt curriculum, lessons, instructional activities and assessments
- One-on-one support
- Organization and study skills

The LST Room is available to students from Grades 8-12 and is designed to provide individual assistance and learning strategies to students. The long-term goal is to enable students to become independent, responsible learners who can be successful in their academic subjects.

LIBRARY

Library Information & Literary Studies 11 / Library Learning Commons Inquiry 12 (4 credits)

This course will appeal to students interested in library and information management related careers. Students will learn research skills in both print and electronic sources, library organization and services, all aimed at assisting library patrons. Students must be self-directed, quick on their feet, have strong people skills and be willing to engage in all aspects of library management. Technology is integral to library management: knowledge of Photoshop, PowerPoint, iMovie, website design, Office 365, etc. is an asset. Book displays, promotional pamphlets, posters, magazine processing, circulation, and shelving are some duties of library science students. Princess Margaret's Library is a lively venue; students must possess a mature attitude, be able to work independently, and have an excellent attendance record. **Permission from Librarian teacher needed.**

MATHEMATICS

The mathematics curriculum is designed to give all students the opportunity to learn skills to successfully locate, analyze and apply the information they need in their work and personal lives after they graduate. They include the four major strands of competencies that are critical to students' learning, doing and understanding Mathematics.

Reasoning and Analyzing

Demonstrate fluency with mental mathematics and estimation

Develop inductive and deductive mathematical reasoning

Use tools or technology to explore and create patterns and relationships, and test conjectures

Understanding and Solving

Develop, construct and apply new mathematical knowledge through play, inquiry, and problem solving

Demonstrate multiple strategies to solve problems in both abstract and real-life situations

using different cultural perspectives

Communicating and Representing

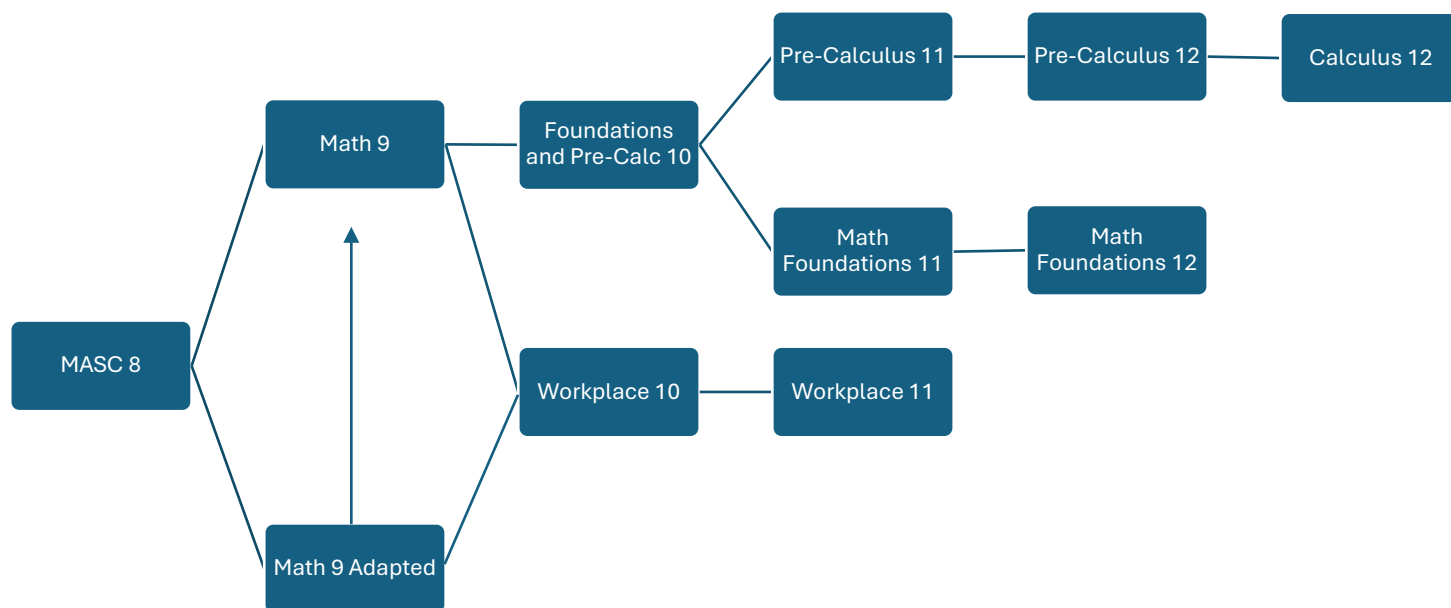
Use mathematical vocabulary and language to communicate in a variety of ways to explain, clarify, and justify ideas

Develop mathematical understanding through concrete, pictorial and symbolic representations

Connecting and Reflecting

Develop visualization skills to assist in exploring, connecting, applying, and describing concepts to each other, to other disciplines, and to the real world

MATHEMATICS PATHWAYS



Math 9

Mathematics 9 provides a theoretical foundation to prepare students for advanced studies in mathematics. This mathematics program continues to develop and expand on the curricular competencies and thinking skills from the grade eight by working through the following 5 Big Ideas:

Principles underlying operations with numbers can be extended to algebra

Computational Fluency with numbers is extended to rational numbers

Continuous linear relationships are identified and represented in many ways (pattern recognition)

Similar shapes have proportional relationships

Analyzing the validity, reliability, and representation of data enables us to compare and interpret.

THE COMMON CURRICULUM FRAMEWORK FOR GRADES 10-12 MATHEMATICS INCLUDES 3 PATHWAYS:

PRE-CALCULUS MATHEMATICS:

This pathway is designed to provide students with the mathematical understandings 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, and trigonometry.

FOUNDATIONS OF MATHEMATICS:

This pathway is designed to provide students with the mathematical understandings 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.

WORKPLACE MATHEMATICS:

This pathway is designed to provide students with the mathematical understandings 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, financial literacy, and probability.

Math 10: Workplace (4 credits)

Workplace Mathematics 10 provides students with skills necessary to be informed citizens, prepares them to become confident in using mathematics in the workplace and prepares them for a number of vocational and trade programs. Course content includes graphs, primary trigonometric ratios, metric and imperial measurement and conversion, surface area and volume, angles, central tendency, experimental probability, and gross and net pay.

This course satisfies the Grade 10 mathematics requirement for graduation.

Math 10: Foundations & Pre-Calculus (4 credits)

Foundations of Mathematics & Pre-Calculus 10 provide a more theoretical focus than the other pathways, to prepare students for advanced studies in mathematics. Students intending to study mathematics, science, and/or engineering at the post-secondary level should take this course as it is the prerequisite for both Foundations of Math 11 and Pre-Calculus Math 11. Course content includes operations on powers with integral exponents, prime factorization, relationships between data and graphs, linear relations, arithmetic sequences, systems of linear equations, multiplication of polynomial expressions, polynomial factoring, primary trigonometric ratios, and gross and net pay.

This course satisfies Gr. 10 grad requirements for math.

Math 11: Workplace (4 credits)

This pathway is specifically designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into most trades at post-secondary and for direct entry into the work force. Course content includes probability and statistics in contextualized situations, views

and scale diagrams of 3-D objects, linear relationships, slope as a rate of change, trigonometry, graph interpretation, investments and loans, and personal budgeting.

This course satisfies the requirement that students must take a 4-credit grade 11 or 12 mathematics course in order to graduate.

Math 11: Foundations (4 credits)

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus, such as Economics, Geography, Psychology, Criminology, Arts or Humanities. Course content includes mathematical reasoning and logic, angle relationships, graphical representations of quadratic functions, graphical solutions to systems of equations, systems of linear inequalities, rates, scale models, applications of statistics, and investments and loans. Most students will choose this pathway.

This course satisfies the requirement that students must take a 4-credit grade 11 or 12 mathematics course in order to graduate.

Math 11: History of Mathematics (4 credits)

History of Math 11 is intended to help students understand that mathematics has evolved over many centuries in many areas of the world and in many different cultures. Course content includes the history of number and number systems, patterns and algebra, geometry, probability and statistics, tools and technology, and cryptography.

This course satisfies the requirement that students must take a 4-credit grade 11 or 12 mathematics course in order to graduate. As this is a newer course, its post-secondary acceptance is unknown at this time.

Math 11: Pre-Calculus (4 credits)

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus, such as Sciences or Engineering. Course content includes powers with rational exponents, operations and equations with radicals, the real number system, investments and loans, polynomial factoring, rational expressions and equations, quadratic functions and equations, linear and quadratic inequalities, and trigonometry of non-right triangles and angles in standard position. **This course satisfies the requirement that students must take a 4-credit grade 11 or 12 mathematics course in order to graduate.**

Math 12: Foundations (4 credits)

The foundations pathway is designed for students who are going into university studies that do not require calculus. This course is required for some post-secondary programs. Course content includes transformations with iterations that create fractals, regressions and their analyses, set theory and conditional statements, combinatorics, probability and odds, investments and loans, and graphical representations of polynomial, logarithmic, exponential, and sinusoidal functions.

This course satisfies the requirement that students must take a 4-credit grade 11 or 12 mathematics course in order to graduate. It is sufficient for entrance into some university programs that do not require Calculus

Math 12: Pre-Calculus 12 (4 credits)

The pre-calculus pathway is designed for students who are going into university studies that require calculus. This course is required for some post-secondary programs. Course content includes logarithmic functions and equations, operations on logarithms, exponential functions and equations, geometric sequences and series, polynomial functions and equations, transformations of functions, conics, rational functions, and trigonometric functions, equations, and identities.

This course satisfies the requirement that students must take a 4-credit grade 11 or 12 mathematics course in order to graduate. It is widely accepted for entrance into most university programs.

Calculus 12 (4 credits)

This course is intended for students planning to take a calculus-based program at the post-secondary level. Course content includes limits, derivatives, applications of derivatives, integrals, and applications of integration. Students who are intending to enroll in calculus in college or university are strongly recommended to take this course.

This course satisfies the requirement that students must take a 4-credit grade 11 or 12 mathematics course in order to graduate.

MODERN LANGUAGES

FRENCH

French 9

In this course, you'll level up your French skills from Grade 8, so you'll need to have some of the basics. We'll start with a quick review to boost your confidence in speaking and writing. From there, we'll get into familiar topics like school, home life, hobbies, food, cultural traditions, self-care, shopping, tech and travel – all while sharpening your French skills.

French 10 (4 credits)

This course starts with a quick recap of the basics and builds on the French skills you picked up in Grades 8-9. You'll get more practice with reading and writing in French, while building confidence and learning to use the language on your own. We might also have chances to head out on field trips, where you can explore Francophone culture and try out your French in real-life situations (we've been to the Vancouver Art Gallery and Granville Island, to name a few). Topics we'll cover in class include jobs, housing, cultural identity, community, hobbies and the environment.

French 11 (4 credits)

This course kicks off with a quick refresher and builds on the French skills you got in Grades 8-10. You'll get better at speaking and writing in French, all while boosting your vocabulary and grammar game. We'll dive into stories, graphic novels, movies, music, articles and poetry to keep things fresh. Plus – weather permitting – we'll make it out to at least one field trip to explore Francophone culture in the local community. Topics we'll cover include social/environmental responsibility, food, travel, school life, health, antiracism and tech trends.

French 12 (4 credits)

You've made it this far... this senior-level course is like the "final boss" of high school French – we work on polishing your speaking/writing skills, with a focus on adding depth and complexity to how you express yourself. You'll dive into authentic materials like stories, films, graphic novels, songs, poetry and news articles – and we'll even throw in a couple field trips to make things more exciting for you (we've done the Vancouver International Film Festival and the Museum of Vancouver, for example). By the end, you should be able to share your ideas, thoughts and opinions completely in French. Topics we'll explore include advertising, health/fitness, the Francophone world, ethical leisure, artistic expression and human rights. Plus, you also get the option to register for the DELF – a globally recognized diploma that certifies your French skills for life.

PUNJABI

Punjabi 9

This is an introductory course for students who have no background in the Punjabi language. The Punjabi 9 course aims to teach students the fundamentals of Punjabi language to develop communication skills (speaking, understanding, reading and writing) in Punjabi. The course also aims to give students some insight into Punjabi culture and history. Successful completion of this course qualifies a student to enter Punjabi 10.

Punjabi 10 (4 credits)

Punjabi 10 will expand and build on skills and materials already covered in Punjabi 9. This course will focus on grammar components and the gradual emphasis on reading and writing through reflections and journal writing. Punjabi culture, identity, history, and core values will also be explored with the infusion of Indigenous content through music, stories and movie segments. Successful completion of this course qualifies a student to enter Punjabi 11.

Punjabi 11 (4 credits)

Punjabi 11 will strengthen and build on the skills and materials already acquired in the language. Students will continue using Punjabi to exchange opinions through discussions, describe and narrate with some supporting details using a wide range of vocabulary and expression. Language acquisition will be taught through journal writing, reflections, stories, poems and films and will explore the relationship between Punjabi culture and Indigenous content through field studies such as trips to art galleries, historical places and senior homes. Students will study specific themes related to leisure and the 100-year journey, ethnic foods and cuisine, advertisements and travel.

Punjabi 12 (4 credits)

Punjabi 12 will lead students to a greater fluency in the language through the study of Punjabi literature. The curriculum will include poetry, short stories, plays and excerpts of novels, all written by Punjabi-Canadian authors and dealing with issues of concern to Punjabis in the diaspora. Students will do some challenging work related to real-life experiences, poetry analysis, story-writing and letter-writing.

SPANISH

Spanish 9

Students in this introductory course are assumed to have zero experience or knowledge of the language. The primary goal of this course is to develop strong receptive (i.e., reading and listening) skills, as well as beginning basic expressive (i.e., speaking and writing) competencies, with the aim of being functional in Spanish-speaking communities. Through films, music and stories, students will explore the cultures, traditions and daily lives of Hispanic peoples, including the pre-Columbian origins of Indigenous groups in modern-day Latin America.

Spanish 10 (4 credits)

Beginning with a review of the notions seen in Spanish 9, students in Spanish 10 will build on the basic skills, with the goal to communicate in writing and verbally effectively in a number of familiar situations. Students will expand their vocabulary and apply their language competencies in tasks with real-life relevance, as well as through the consumption of authentic materials such as songs, articles, stories and videos. Students will continue to learn more about the cultures, traditions and daily lives of Hispanic peoples.

Spanish 11 (4 credits)

Beginning with a review of the basic notions, Spanish 11 will build on the communicational competencies developed through Spanish 9-10, with increased focus on further complexity in written

comprehension and production. Students will broaden their lexicon and familiarity with common grammatical concepts within the context of authentic materials, including (but not limited to) narratives, films, songs, poetry, articles and graphic novels.

Spanish 12 (4 credits)

This course is the culmination of the study of the Spanish language and culture at the secondary level. This senior-level course is aimed to provide students with the opportunity to fine-tune their oral and written competencies in Spanish, with a particular focus on developing nuance and subtlety in their language production amongst themselves. Through the focused study of authentic materials (such as storytelling, novels, videos, articles), students work towards expressing their ideas, observations and inferences entirely in Spanish, including using circumlocution where needed. They will see new structures, tenses and learn how to use them properly and effectively.

PEER TUTORING

Princess Margaret offers a number of Peer Tutoring 4-credit courses designed to give students insight into helping fellow peers to achieve academic success and support them with their social/emotional learning. Peer Tutoring students will work with junior students in a classroom that fits their area of strengths. Tutors will be trained to recognise learning needs and to introduce various learning strategies to junior students.

Students who want to take part in the Peer Tutoring program must:

- be in grades 11 or 12
- have good communication and organizational skills
- be willing to help support younger students
- be excellent role models
- be recommended by teachers or staff (teacher reference form required)
- maintain a C+ or better GPA

Students who wish to take Peer Tutoring must first fill in an application form available from Ms. Sengara. If your application is accepted, you will be asked to complete a teacher reference form in the subject area you are hoping to tutor in.

Peer Tutoring 11 (4 credits)

The most effective way to learn is to teach. Peer Tutoring 11 provides students with the opportunity to learn about teaching and learning. This course is designed for peer tutors to gain an awareness of the diversity of the student population, and to model successful learning and organization, study and communication skills. These skills are imperative to the success of the peer tutor and the students they support.

Peer Tutoring 12 (4 credits)

Peer Tutoring 12 provides students with the opportunity to expand on previous experiences with tutoring. This course is designed to gain a deeper understanding of the dynamic nature of the teaching process. Course work includes instructional theory and strategies, communication, study skills and organization, instructional applications and the metacognitive process. Tutors will gain further awareness of the diversity of learners and the basis of educational theory and practice.

PHYSICAL AND HEALTH EDUCATION

The aim of Physical and Health Education (PHE) is to have students develop a personalized understanding of what healthy living means to them as individuals and members of society in the 21st century. PHE is designed to develop educated citizens who have the knowledge, skills, and understandings that they need for lifelong health and mental well-being. Students will be able to recognize and change unhealthy behaviors and, at the same time, advocate for the safety, health and well-being of others.

Physical and Health Education 9:

The expectations for Physical and Health Education 9 include the following:

- Physical Literacy: Develop, refine, and apply fundamental movement skills and movement concepts in a variety of physical activities. Students will apply methods of monitoring and adjusting their exertion levels in physical activity.
- Healthy and Active Living: participate daily in physical activity designed to enhance and maintain health components of fitness and propose choices that support lifelong health and well-being.
- Social and Community Health: propose and analyze strategies for dealing with unsafe situations, discrimination, bullying and the development of healthy relationships.
- Mental Well-Being: create and evaluate strategies for promoting and managing the mental well-being for the self and others.

Physical and Health Education 10: (4 credits)

PHE 10 builds on PHE 9 and expands the learning experiences for students through a diverse range of big ideas, activities and content. As PHE 10 is the last mandatory PHE curriculum for students, it completes the process of establishing a strong foundation of skills, knowledge, and attitudes for students and prepares them for Grade 11 and 12 PHE courses that relate to their interests and passions. Students are expected to develop an understanding of the many aspects of well-being, including physical, mental, and social; develop the movement knowledge, skills, and understandings needed for lifelong participation in a range of physical activities; develop knowledge, skills, and strategies for building respectful relationships, positive self-identity, self-determination, and mental well-being; demonstrate the knowledge, skills, and strategies needed to make informed decisions that support personal and community health and safety.

Fitness and Healthy Lifestyles 10: (Elective: 4 credits)

This course is a fitness and conditioning course. Fitness 10 will focus entirely on cardio-vascular fitness, muscular strength and endurance training, and flexibility. Students will have an opportunity to better their understanding of the importance of cardiovascular, muscular strength, and flexibility training through exploration of concepts of physical fitness and human anatomy and physiology. The course requires no skill in terms of team sport performance – **students do not need to be an athlete to be successful in this course – BUT THEY MUST BE MOTIVATED!** This is a great opportunity to get in shape and learn how their body works.

Physical and Health Education 10 (Recreation Leadership): (4 credits)

Please see the Leadership section for more information

Active Living 11/12: (4 credits)

This course will enable students to explore and learn about the concept of recreation through participation in a variety of physical activities that will fit their interests and passions. Students wanting to incorporate a variety of recreational activities during their graduation years will benefit from this

curriculum. Students will develop an understanding of the impact of various types of physical activities on their health and mental well-being. Students will develop and demonstrate the skills needed to plan, organize and safely participate in recreational activities after graduation. Students will also focus on the development of their leadership skills.

Active Living 11/12: - GIRLS (4 credits)

This course will enable students to explore and learn about the concept of recreation through participation in a variety of physical activities that will fit their interests and passions. Students wanting to incorporate a variety of recreational activities during their graduation years will benefit from this curriculum. Students will develop an understanding of the impact of various types of physical activities on their health and mental well-being. Students will develop and demonstrate the skills needed to plan, organize and safely participate in recreational activities after graduation. Students will also focus on the development of their leadership skills.

Fitness and Conditioning 10/11/12: (4 credits)

This course will focus on enhancing the 5 health components of fitness: Cardio-vascular endurance, muscular strength and endurance training, flexibility and body composition. The course will focus on 4 curricular competency categories – Healthy and active living, human anatomy and physiology, principles of training and social responsibility. Students will learn about their body's muscular, cardiovascular and skeletal systems, energy systems, components of an exercise session, exercise safety and etiquette and the various training principles of program design. The course is a combination of theory and practical with most of the time devoted to applying the theory acquired through workshops and labs.

Weight Training 10/11/12: (4 credits)

This course will provide students with opportunities to participate in the many facets of strength-training. Students will learn a variety of strength-training techniques and how to use different types of equipment to achieve a high level of fitness. Some of the equipment that will be utilized will include dumb bells, resistance bands, and stability balls. Students will also learn the principles of training, strength-training safety procedures, and the importance of nutrition. Students will be expected to develop, implement, and modify their own personal strength-training program. The physiology of strength-training necessitates days of rest from resistance workouts; thus, students will be expected to participate in other activities (i.e. cardio-vascular) throughout the course.

Active Living 11/12 Leadership: (4 credits)

This course is intended for students who possess strong leadership attributes and are looking to develop their leadership skills further. Students who have previously been a part of the PHE 10 rec-leadership program, or taken PHE 9 Leadership, are highly recommended for this course, although previous leadership courses are not a prerequisite. In addition to participating in the same activities as Active Living 11 & 12, students taking this course will continue to grow and develop on the concepts first introduced in PE 10 Rec Leadership (Leadership, Activity Planning and Peer Teaching). This course is looking for motivated students wanting to help make strong connections with the school's younger PHE grades and our BASES students. The course involves supporting and motivating Grade 8 PHE students and BASES students through organizing, managing, and officiating of different sports, games and activities during class time. Students in this course are also responsible for planning and facilitating our annual senior pep-rally which occurs in the spring. Those who are considering this course should have excellent work habits and punctual attendance. A letter of recommendation from at least one teacher, as well as an interview may be required for students to be considered in this course. Students would get course credit for Physical Education 11 or Physical Education 12.

SCIENCE

Science 9

Science 9 surveys more advanced topics in science. There will be an emphasis on analytic skills and scientific process. Throughout the course, the skills of critical thinking are emphasized and strengthened. Major topics for this course include:

- Biology – cells, and reproduction
- Chemistry - chemical elements and their properties
- Physics – electrical current
- Earth Science – matter cycles and the environment

Science 10 (4 credits)

Science 10 continues to emphasize the skills learned in Science 9 with the development of good lab skills, effective collaborative teamwork, and the theme of critical thinking. Students' success in Science 10 influences the choices they have for science electives in the senior grades. The emphasis on each of the 4 main areas of science is as follows:

- Biology – DNA, patterns of inheritance, mutations, effects on populations due to natural and artificial selection, bio-technological ethics
- Chemistry - Chemical reactions, and balancing chemical equations, acids and bases, energy changes in chemical reactions
- Physics – Properties and transformations of energy, and the effects on human and global systems
- Astronomy – Big Bang theory, Formation and components of the universe, astronomical data & collection methods, and the technology to explore space systems

Chemistry 11 (4 credits)

A strong foundation in Science and Math (Pre-Calculus) 10 is recommended

Chemistry 11 is an introductory course that will give students an understanding of the composition, classification, properties and behaviour of matter. Problem solving, critical thinking and experimentation are skills that are used throughout this course. Chemistry 11 is strongly recommended for students pursuing a career in the Sciences or Health Sciences. Topics studied in this course include:

- Introduction to Chemistry (lab skills and safety, measurement and communication, matter)
- Chemical Reactions (nomenclature, reaction types)
- Atomic Theory (history of the atom, periodic table, chemical bonding)
- Mole Concept (dimensional analysis, molarity, dilution)
- Organic Chemistry (nomenclature, hydrocarbons and functional groups)
- Solution Chemistry (solubility)

Daily review, practice completion and strong study skills are required to be successful in Chemistry 11. Course assessments and assignments are based on classroom lessons, discussions, projects and laboratory-based inquiry work.

Life Sciences 11 (4 credits)

A strong foundation in Science and in English 10 is recommended

Life Sciences 11 lays the groundwork for first year biology courses at all major BC colleges and universities, and is strongly recommended for students pursuing a career in the Sciences or Health Sciences. Life Sciences 11 is a survey course of living organisms within the six Kingdoms. The course is woven around the central themes of identifying the characteristics and inter-relatedness of living things, the similarities within organisms (classification and taxonomy), and the processes of how organisms change over time (evolutionary theory). Students will perform laboratory experiments and

investigations to examine a wide variety of organisms in order to explore the major themes of this course. Course assessment and assignments are based on classroom lessons, discussions, projects, dissections, and laboratory-based inquiry work. *Note. There is a dissection component to this course where students will be required to participate in laboratory activities involving the dissection of preserved organisms for scientific inquiry and investigation.*

Physics 11: (4 credits)

A strong foundation in Science and Math Pre-Calculus 10 is recommended

Physics 11 is an introductory course towards a deeper understanding of the physical world. Its emphasis is on analytical and critical thinking skills in order to interpret the motion of objects and their energies. Physics 11 is needed in a number of careers such as engineering, surveying, or technological programs and is an entrance requirement into many post-secondary Science programs. Topics studied in this course include:

- One and Two-Dimensional Kinematics (motion)
- One and Two-Dimensional Dynamics (forces)
- Energy (work and power)
- Electricity (currents, circuits and Ohm's Law)
- Waves (properties of light and waves)

Daily review, practice completion and strong study skills are required to be successful in Physics 11. Course assessment and assignments are based on classroom lessons, discussions, projects, and laboratory-based inquiry work.

Science for Citizens 11: (4 credits)

This course is primarily intended for students who do not plan to continue in the sciences beyond Grade 11.

Completion of Science for Citizens 11 allows students to complete their graduation plan. However post-secondary options are limited. This course will be composed of topics that are of particular interest to both the teacher and students in areas such as the scientific method, technology, personal and workplace safety, certifications, applications of science and science innovations. There is an emphasis on cooperative learning rather than focusing on content. As this course is based on the progression of a student's process skills, **attendance** and **participation** are the two most important parts of this course. Course assessment and assignments are based on classroom lessons, discussions, projects, and laboratory-based inquiry work.

Anatomy and Physiology 12: (4 credits)

A strong foundation in Chemistry 11 and Life Sciences 11 are recommended

Anatomy & Physiology 12 is a Human Biology course that serves as a foundation for students continuing with life science studies at the post-secondary level. Anatomy & Physiology 12 uses the principles learned in Life Sciences 11 with respect to the unity, diversity, and organization of body systems. Students will focus on cellular biochemistry, metabolic processes, and the physiology & inter-relationships of organ systems. Students' understanding of the body's ability to maintain homeostasis will be integrated into lab work, dissections, discussions, and inquiry projects. Course assessment and assignments include classroom lessons, discussions, projects, dissections, and laboratory-based inquiry work.

Note. There is a dissection component to this course that students may be required to participate in.

Chemistry 12: (4 credits)

A strong foundation in Chemistry and Pre-calculus 11 is recommended

Chemistry 12 is an advanced course that will give students the foundation needed for Chemistry at the post-secondary level. This is a demanding course for those that have succeeded in Chemistry 11

and plan to pursue further studies in this field. Chemistry 12 is strongly recommended for students pursuing a career in the Sciences or Health Sciences. Topics studied in this course include:

- Reaction Kinetics
- Equilibrium
- Solution chemistry
- Acids and bases
- Electrochemistry

Daily review, practice completion and strong study skills are required to be successful in Chemistry 12. Course assessment and assignments include classroom lessons, discussions, and laboratory-based inquiry work.

Physics 12: (4 credits)

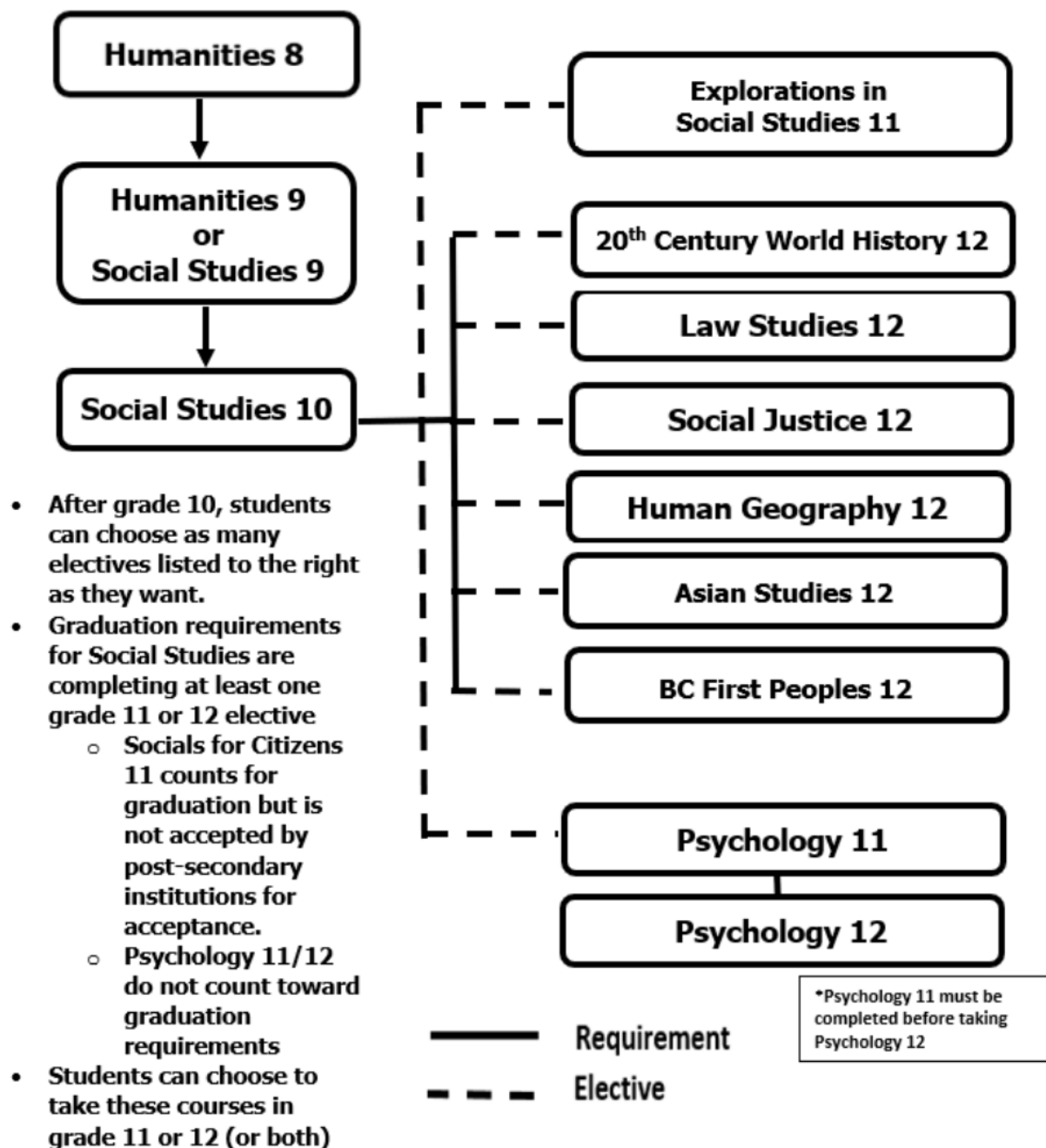
A strong foundation in Physics 11 and Pre-calculus 11 are recommended

Physics 12 is an advanced course towards a more thorough understanding of the physical world, particularly for those who are expecting to continue studying science at a post-secondary institution. It has a strong emphasis on being able to think analytically and critically in order to interpret the complexities of Physics 12. We will be examining theories of Isaac Newton, Michael Faraday, and Albert Einstein. This course will enhance students' understanding of Physics on a macro (as large as the universe) and micro level (subatomic particles). Physics 12 is needed in a number of careers such as engineering and surveying and is an entrance requirement into any post-secondary Science program. The course is broken down into two parts – mechanics and electromagnetism. Topics include:

- Two Dimensional Momentum and Energy (collision of objects, kinetic and potential energy)
- Equilibrium (motion and torque)
- Circular Motion and Gravitation (circular and gravitational forces)
- Relativistic Effects—Time Dilation Topics involving electromagnetism include:
- Electrostatics (behavior of electrons and protons in the physical world)
- Electric Circuits (complex circuits, conventional current)
- Electromagnetic Forces (the behavior of magnets and electricity)
- Induction (inducing current with magnets)

Daily review, practice completion and strong study skills are required to be successful in Physics 12. Course assessment and assignments include classroom lessons, discussions, projects, and laboratory-based inquiry work.

SOCIAL STUDIES

*Social Studies 9*

Students can choose to take Social Studies 9 (and English 9) separately, or as part of Humanities 9.

Social Studies 10 (4 credits)

This is a required course for all students. It is a Canadian history course. Concepts explored include:

- Governance, First Peoples' governance, political ideologies
- Canadian involvement in global conflicts and peacekeeping
- Discriminatory policies and injustices in Canada and the world, including residential schools, the head tax, the Komagata Maru incident, and internments
- Canadian historical and contemporary injustices that challenge the identity and narrative of Canadian multiculturalism
- Canadian jurisdictions and civil rights processes.

The course also examines the idea that Canadian history is understood differently, depending on identity, perspective and worldview of the individual Canadian citizen. This course includes a focus on Indigenous history and issues that will support learning in English First Peoples 10 that students will take at the same time.

SOCIAL STUDIES AFTER GRADE 10:

Students must take at least one Grade 11 or 12 level Social Studies elective to meet their graduation requirements. They can take as many other Social Studies electives as can fit into their course schedule according to their interests and/or post-secondary requirements.

Please note that Psychology 11 and 12 do not count towards a Social Studies graduation requirement, but do count toward graduation credits.

20th Century World History 12 (4 credits)

History 12 is a world history course that deals with the major events and trends of the 20th century (the 1900s). The major themes and issues studied in the course include Social Change, Economic Development, Technological Progress, and Ideologies. Topics of study include the Treaty of Versailles, the growth of Communism and Fascism, the United States and the Soviet Union in the Inter-War period, World War Two, the Cold War, and Post-War De-colonization. Students will also have the opportunity to explore events of their choosing. Historical and contemporary injustices challenge the narrative and identity of Canada as an inclusive, multicultural society. This course fulfills the Social Studies 11/12 graduation requirement.

Asian Studies 12 (4 credits)

In this course, we dive into the rich history, fascinating geography, and vibrant cultural identities that make up one of the world's most diverse continents, and discover why Asia matters now more than ever before. We'll explore how colonialism, imperialism, and migration shaped modern Asia. We'll look into how the geography of the area has influenced cultures, politics, and economies. Learn how societies across Asia have responded to industrialization, globalization, and environmental challenges. Develop your historical inquiry skills to learn about stories of change and resilience, empire-building, the construction of national identities, fights for independence and human rights struggles.

BC First Peoples 12 (4 credits)

BC First Peoples 12 looks at how the identities, worldviews, and language of BC First Peoples are renewed, sustained, and transformed through their connection to the land. Students will investigate how the impact of contact and colonialism continues to affect the political, social, and economic lives of BC First Peoples. Students will study how cultural expressions convey the richness, diversity, and resiliency of BC First Peoples. Students will gain an understanding of how, through self-governance, leadership, and self-determination, BC First Peoples challenge and resist Canada's ongoing colonialism. Using Indigenous principles of learning (holistic, experiential, reflective, and relational) students will learn in a variety of ways, including the opportunity to engage in several field trips to significant places of interest, learn from local knowledge keepers, and participate in various activities to encourage respectful consideration of various contemporary Indigenous issues.

Explorations in Social Studies 11 (4 credits)

Explorations in Social Studies 11 is a course designed to be an alternative path to graduation for students without post-secondary plans. It can be used instead of a grade 12 Social Studies elective course to fulfill the graduation requirement. It can be used as a good place to develop skills needed for grade 12-level Social Studies electives. **Explorations in Social Studies** focuses on the parts of the social studies curriculum that are most relevant to everyday life. Through a basic and

personal understanding of a wide variety of social topics, students will be encouraged to be well-rounded. The goal of this course is to provide each student with the tools and information to explore their own areas of interest.

Human Geography 12 (4 credits)

This course looks at the impact of people on our world and on each other. The relationships between the natural world and our effect on it as a population from environmental, economic, and political aspects are explored. Students will have the opportunity to investigate the effect of a growing global population on our physical landscapes and will study issues such as climate change, population growth and movement, agricultural practices, industrialization, resource management, and urbanization.

Law Studies 12 (4 credits)

Law 12 is a practical course in which students gain an understanding of where Canadian law comes from, and how it works. The course enables students to better understand their legal rights and responsibilities in Canada. Some of the topics covered include the origins of law, human rights, criminal law, civil law, family law, and youth and the law.

Social Justice 12 (4 credits)

Social Justice 12 is a course designed to raise students' awareness of social injustice, to enable them to analyze situations from a social justice perspective, and to provide them with knowledge, skills, and an ethical framework to advocate for a socially just world.

Students will investigate concepts of social justice, such as diversity, human rights, oppression, and peace. In addition, students will study characteristics of social injustice by investigating various social issues in Canada and around the world involving race, poverty, LGBTQ+ rights, the status of women, environmental justice, genocide, globalization, and other marginalized and vulnerable groups.

Psychology 11 (4 credits)

This course is designed to give students an introduction to Psychology. A variety of topics related to the study of human behaviour and mental process will be explored. Topics covered include: Introduction, Psychological Approaches, Research Methods; a study of the Brain and Behaviour; Social Psychology; Developmental Psychology; and Sensation and Perception. Highlights of the class include learning to conduct psychological experiments, researching current topics in psychology along with weekly journals and discussion days (field trips will be taken when available).

Please note that Psychology 11 and 12 do not count towards a Social Studies graduation requirement, but do count toward graduation credits.

Psychology 12 (4 credits)

This course is designed to provide students with the knowledge and tools needed to put the theory gained in Psychology 11 into practice. The primary focus of this course is to extend students' learning about behaviour and mental processes as they relate to personality, interpersonal relationships and psychological disorders. Disorders covered include Schizophrenia, Depression, Bi-Polar Disorder, Obsessive-Compulsive Disorder, Panic Disorder, Phobias and Generalized Anxiety Disorder. Highlights of this class include, guest speakers, researching topics around addiction and psychological disorders, along with weekly journals and discussion days (field trips will be taken when available).

TECHNOLOGY EDUCATION

MULTIPLE TRADES

Wood/Metal 9

This is an introductory course that will build on the skills learned in the wood 8 and metal 8 rotations. Students will learn hand and power tools safety, project design, layout, measurement, problem solving and to fabricate projects of their own. Wood/Metal9 will be taught for ½ semester in the wood shop and ½ semester in the metal shop. This course is comprised of 40 % theory and 60% practical work.

Youth Explore Trades 10

This course will provide an overview of a variety of trades-based skills including drafting, carpentry, plumbing, and electrical. Hands on experience in each trade will be provided. If you are interested in gaining useful hands-on skills, this is the course for you! As a sampler course we will be focusing on practical tasks that can be used on a day-to-day basis. **This course will have co-ed and female only options.**

AUTOMOTIVE

Power Technology 9

This course is based on a variety of units designed to challenge students through project based learning. In a flexible format, students learn about principles mechanics and electronics through a hands on approach. Students can expect to work on small gasoline powered engines, explore projectiles using paper rockets, test aerodynamics building CO2 cars,

Intro Mechanics 10

This course is open to all students interested in learning about engines. As an introductory course, students will learn how the internal combustion engine works, maintenance and performance tuning. Students will experience taking apart and rebuilding a small 4 stroke engine. This course is highly recommended for students interested in Automotive Technology 11/12. **This course will have co-ed and female only options.**

METALWORK

Metalwork 10: (4 credits Applied Skills)

This course is open to all grade 10 students. This course will introduce students to metal work and metal jewelry design. Students will study the use of hand and machine tools to make projects with the lathe, milling machine, grinding and sanding machines, and casting operations in the foundry. A unit on ring making, Jewelry including chains and bracelets, welding, and sheet metal work is included. Students are welcome to design and build their own project ideas once mandatory project work is completed.

Metalwork 11: (4 credits Applied Skills)

This course is designed for students to learn basic theory and practical skills related to machining, welding, fabrication, metallurgy and sheet metal. It will provide students' opportunities to develop marketable skills, prepare for further study related to metal fabrication and machining, design and create projects, pursue personal interests, develop practical life skills to enhance self-reliance, including the capacity to be critical consumers of metal products and consider related social and ethical issues.

Machining & Welding 12: (4 credits Applied Skills)

This course is designed for students to learn additional theory and further develop practical skills related to machining, welding and sheet metal. Use of the milling machine, lathes, foundry, and

welding equipment learned in Metal Fabrication will be emphasized. Selected projects may be self-initiated. The work follows the general lines of Metal Fabrication and Machining 11 but more sophisticated operations are learned and required.

Art Metal & Jewelry 10-12 (4 credits Applied Skills)

This course is for students who have taken Metal: Jewelry 11, and are interested in advancing their skills. Students will create jewelry and sculpture using sheet metal, precious metals, rods and bars. Projects may include lost wax rings, enameled copper pendants, woven wire earrings, and cold formed bracelets. Career options for art metal and jewelry will be explored.

Jewelry and Art Craft for Girls 10-12

This course is an introduction to jewelry making, stained glass as well as wood and metal art. The course objective is to help girls develop confidence in a shop environment. To prepare them to live and work in a technological world, we will foster lifelong learning and technological literacy with respect to tools, materials, systems, processes and using them in an informed, ethical and responsible way. This course may include jewelry making, stained glass, designing jewelry boxes, mini dressers, canvas frames, epoxy art and a chance to experience working with mirrors. This course is designed to facilitate learning and foster artistic flair.

WOODWORK

Woodwork 10: (4 credits Applied Skills)

This course is open to all grade 10 students. This course is a hands-on introduction to woodworking processes with an emphasis on learning through doing. Students will gain practical skills, learn design and gain problem-solving ability. Students will become familiar with the safe use of tools and machines, read and interpret plans and follow written and oral instructions. Teacher directed projects have been designed to encourage the learning and development of students, but many aspects of design are left up to the individual student.

Woodwork 11: (Prerequisite: None) (4 credits Applied Skills)

The main objective of this course is to offer a combination of knowledge and hands-on skills that will prove valuable later in life as well as opening doors to a variety of career options. The areas of focus will include safety, measurement, tools and equipment, and materials and processes with an emphasis on the fabrication of wood related products. Students will apply the acquired skills in the design and construction of teacher/student selected projects.

Woodwork 12: (Recommended Prerequisite: Carpentry and Joinery 11) (4 credits Applied Skills)

The main objective of this course is to offer an advanced combination of knowledge and hands-on skills that will build on previous experience in woodwork. The areas of focus will include safety, measurement, tools, equipment, materials and processes with an emphasis on the fabrication of wood related products. Students will apply the acquired skills in the design and construction of advanced teacher/student selected projects. Post-secondary and career options are explored.

Furniture & Cabinetry 12: (Recommended Prerequisite: Carpentry and Joinery 11 or 12) (4 credits Applied Skills)

This course is an advanced course offered to those who have previously taken Carpentry and Joinery 11 and 12. The main focus of this course will be student directed. Students will select or design a major project and see it through from the planning stages to completion. Post-secondary and career options are explored.