



# NEW WESTMINSTER SECONDARY

2021— 2022

## COURSE DESCRIPTION BOOKLET

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

## Introduction

Welcome to the New Westminster Secondary School's Course Planning Guide! Course descriptions in this booklet are intended as a guide to assist students and parents in selecting courses for programs. Some courses must be taken to meet the requirements of the Ministry of Education while others are chosen to meet individual interests and goals. Counsellors will assist students in the selection of their courses, and their valued advice and expertise will be the principles that guide NWSS students to success. While every effort is made to give students their first choice of course selection, due to circumstances beyond the school's control, is not always possible. Students should be prepared with alternative choices. Please Note: Students and their guardians are responsible to ensure successful completion of all courses required for graduation and post-secondary admissions.

This Guide has been prepared with the utmost effort to be accurate at the time of publishing. This Guide is subject to update/change without notice to suit the dynamic needs of our students and school. Specific course and course planning inquiries should be directed to subject teachers or the student's counsellor.

## COURSE SELECTION PROCESS

Students will begin the process of selecting courses for their 2021- 22 school year in February 2021. Students will select a full program of studies (8 courses per year) which will meet the following goals:

1. Meet graduation requirements for British Columbia
2. Support future plans, such as entrance to college or university.
3. Provide a balanced and engaging educational experience

All students in Grades 9 through 11 will complete their course selections before Spring Break. Students will select their courses by submitting a paper copy of their Course Selection Form as well as enter their course selections into MyEducation BC. It is imperative that parents/guardians and students are comfortable with MyEducation BC and that all students are aware of their passwords. Counsellors will guide students with the selection of their courses.

## B.C.'s Curriculum Structure

### **Core Competencies**

The Core Competencies are the foundation of the B.C. curriculum. The Core Competencies are sets of intellectual, personal and social-emotional proficiencies that all students need to develop in order to engage in deep, life-long learning. Students develop Core Competencies when they are engaged in the “doing” – the Curricular Competencies – within a learning area. As such, they are an integral part of the curriculum. While they manifest themselves uniquely in each area of learning, the Core Competencies are often interconnected and are foundational to all learning. Through consultation with stakeholders across the province, three Core Competencies were identified:

1. COMMUNICATION - with two sub-competencies - Communicating and Collaborating
2. THINKING - with two sub-competencies - Creative Thinking and Critical Thinking
3. PERSONAL & SOCIAL - with three sub-competencies - Personal Awareness and Responsibility, Positive Personal and Cultural Identity, and Social Awareness and Responsibility

Core Competencies will be integrated throughout the curriculum of all classrooms. Students are expected to reflect upon the learning process and self-assess their development of the Core Competencies. Students will document their self-assessments using their myBlueprint account.

## **Concept-based, competency-driven curriculum**

British Columbia's curriculum brings together two features that most educators agree are essential for 21st-century learning: a concept-based approach to learning and a focus on the development of competencies, to foster deeper, more transferable learning. These approaches complement each other because of their common focus on active engagement of students. Deeper learning is better achieved through "doing" than through passive listening or reading. Similarly, both concept-based learning and the development of competencies engage students in authentic tasks that connects learning to the real world.

## **Flexible learning environments**

Learning can take place anywhere, not just in classrooms. At NWSS, our staff may create learning environments that explore the use of time and space in creative ways. The integration of areas of learning and technology also have opened the door for us to approach the use of time and space in creative ways – ways that adapt to the students' needs and interests.

## **Curriculum Model**

Three elements, the Content (Know), Curricular Competencies (Do), and Big Ideas (Understand) all work together to support deeper learning. British Columbia's curriculum design enables a personalized, flexible and innovative approach at all levels of the education system. All areas of learning have been redesigned using this model.

## **Content (Know)**

The Content learning standards — the “Know” of the Know-Do-Understand model of learning — detail the essential topics and knowledge at each grade level.

## **Curricular Competencies (Do)**

The Curricular Competencies are the skills, strategies, and processes that students develop over time. They reflect the “Do” in the Know-Do-Understand model of learning. While Curricular Competencies are more subject-specific, they are connected to the Core Competencies.

## **Big Ideas (Understand)**

The Big Ideas consist of general principles and the key concepts important in an area of learning. They reflect the “Understand” component of the Know-Do-Understand model of learning. The big ideas represent what students will understand at the completion of the curriculum for their grade. They are intended to endure beyond a single grade and contribute to future understanding.

## GRADUATION REQUIREMENTS (as of July, 2019)

### **B.C. Certificate of Graduation (Dogwood Diploma)**

The B.C. Certificate of Graduation, or Dogwood Diploma, is awarded to students who successfully complete the provincial graduation requirements. To graduate, students require at least 80 credits total.

Of these 80 credits:

- 52 credits are required from the following:
- Physical and Health Education 10 (4 credits).
- Science 10 (4 credits), and a Science 11 or 12 (4 credits).
- Social Studies 10 (4 credits), and a Social Studies 11 or 12 (4 credits).
- A Math 10 (4 credits), and a Math 11 or 12 course (4 credits).
- A Language Arts 10, 11, and a required 12 course (4 credits required at each grade, 12 credits total).
- An Arts Education 10, 11, or 12 and/or an Applied Design, Skills, and Technologies 10, 11, or 12 (4 credits total).
- Career-Life Education 10 (4 credits), and Career-Life Connections 12 (4 credits).
- At least 28 credits must be elective course credits.
- At least 16 credits must be at the Grade 12 level, including a required Language Arts 12 course and the CareerLife Connections course.

In addition, students must also complete three Provincial Graduation Assessments:

- Grade 10 Graduation Literacy Assessment;
- Grade 10 Graduation Numeracy Assessment; and
- Grade 12 Graduation Literacy Assessment.

## GRADUATION REQUIREMENTS (as of July, 2019)

### **French Immersion/Francophone Dual Dogwood**

French Immersion students can earn both a British Columbia Certificate of Graduation (Dogwood Diploma) and a Diplôme de fin d'études secondaires en Colombie-Britannique.

To graduate with both diplomas, French Immersion students must meet the graduation requirements for the Dogwood Diploma and, of these 80 credits, they must earn:

- At least 16 credits at the Grade 12 level (including a Français langue seconde- immersion course at the Grade 12 level).
- Français langue seconde-immersion 10 (4 credits).
- A Français langue seconde-immersion course at the Grade 11 level (4 credits) or IB French A2 (SL) 11.
- Français langue seconde-immersion 12 (4 credits).
- At least 12 credits in Grade 10, 11, or 12 courses that are in French with at least 4 of these credits at the Grade 11 or 12 level.

In addition, French Immersion students must also complete four Provincial Graduation Assessments:

- Grade 10 Graduation Numeracy Assessment (English or French);
- Grade 10 Graduation Literacy Assessment;
- Grade 12 Graduation Literacy Assessment; and
- Évaluation de littératie – Français langue seconde-immersion 12.

Francophone students can earn both a British Columbia Certificate of Graduation (Dogwood Diploma) and a Diplôme de fin d'études secondaires en Colombie-Britannique.

## Graduation Assessments

The Provincial Graduation Assessment requirements for all students are as follows:

Assessments as a requirement for graduation.

- Students are expected to write the Graduation Numeracy 10 and a Graduation Literacy 10 Assessment.
- Students are also expected to write a Graduation 12 Literacy Assessment.
- There will be an opportunity for students to re-write the Provincial Graduation Assessments to improve their achievement level. Until graduation, students may write a Provincial Graduation Assessment up to three times: the original attempt and two re-writes.
- The best outcome for each of the Provincial Graduation Assessments will be recorded on the student's transcripts.

The assessments will be reported on the following scale:

<i>Provincial Graduation Assessments</i>			
<b>Emerging</b> The student demonstrates an initial understanding of the concepts and competencies relevant to the expected learning.	<b>Developing</b> The student demonstrates a partial understanding of the concepts and competencies relevant to the expected learning.	<b>Proficient</b> The student demonstrates a complete understanding of the concepts and competencies relevant to the expected learning.	<b>Extending</b> The student demonstrates a sophisticated understanding of the concepts and competencies relevant to the expected learning.

A student's best proficiency level for the Provincial Graduation Assessments will appear on the student's transcript. However, for the Grade 10 Literacy Assessment and the Evaluation de litt ratie – Francais langue premiere 10, the student's transcript will only indicate "RM" ("requirements met"), and not a proficiency level.

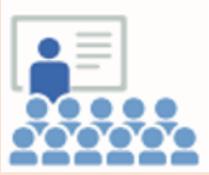
## Grade Administrators 2021—2022

Administrator	Grade
Mr. Murray McLeod mmcleod@sd40.bc.ca	NWSS Principal Grade 12 Administrator
Ms. Susana Quan squan@sd40.bc.ca	NWSS Vice-Principal Grade 11 Administrator
Mr. John Lekakis jlekakis@sd40.bc.ca	NWSS Vice-Principal Grade 10 Administrator
Mr. Greg Patton gpatton@sd40.bc.ca	NWSS Vice-Principal Grade 9 Administrator
Ms. Pamela Craven pcraven@sd40.bc.ca	District Principal SIGMA and Inclusive Education Administrator

## NWSS Counsellors 2021—2022

Counsellor	Colour Grouping
Ms. Marika Melvin mjmelvin@sd40.bc.ca	Red
Mr. Dave Mori dmori@sd40.bc.ca	Purple
Ms. Nancy Paterson npaterson@sd40.bc.ca	Yellow
Ms. Rosemarie Schiemann rschiemann@sd40.bc.ca	Green
Ms. Jennifer Towers jtowers@sd40.bc.ca	Orange
Ms. Cindy Vit (Dept. Head) cvit@sd40.bc.ca	Blue

## Instructional Delivery Methods available at NWSS



### In-class Learning

**Face to face classroom learning** is instructional sessions that enable a student to learn through varied instructional methods, under the direct guidance of a teacher in a brick-and-mortar building (NWSS).



### Blended Learning

**Blended learning** combines classroom instruction with online learning. Portions of the learning occur face to face in the brick-and-mortar building (NWSS), while other sections are available through technology and/or online. Students can in part, control the time, pace, and place of their learning for the technology/online portions.



### Online Learning (see pg 77 – 78)

With **online learning**, students work online at home while the teacher assigns work and checks in digitally. Students can, in part, control the time, pace, and place of all their learning.

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## The Graduation Program Grades 10—12

The B.C. Certificate of Graduation or "Dogwood Diploma" is awarded to students who successfully complete the provincial graduation requirements.

<https://curriculum.gov.bc.ca/graduation>



Students require a minimum of **80 credits to graduate**. Of these 80 credits:

- At least 16 credits must be at the Grade 12 level, including a required Language Arts 12
- At least 28 credits must be elective course credits

### **52 credits are required from the following:**

- Career-Life Education 10 (4 credits)
- Career-Life Connections 12 (4 credits)
- Physical and Health Education 10 (4 credits)
- Science 10 (4 credits)
- Science 11 or 12 (4 credits)
- Social Studies 10 (4 credits)
- A Social Studies 11 or 12 (4 credits)
- A Math 10 (4 credits)
- A Math 11 or 12 (4 credits)
- A Language Arts 10, 11 and a Language Arts 12 (12 credits total)
- An Arts Education 10, 11, or 12 and/or an Applied Design, Skills, and Technologies 10, 11, or 12 (4 credits total)

There are three Provincial Assessments that students must write to meet graduation requirements:

- Numeracy 10 Assessment (taken during the student's Grade 10/11 year)
- Literacy 10 Assessment (taken during the student's Grade 10/11 year)
- Literacy 12 Assessment (taken during the student's Grade 12 year)



# REQUIRED COURSES

	Grade 09	Grade 10	Grade 11	Grade 12
<b>Course #1</b>	English Language Arts 9	English Language Arts 10 or English 10 Honours	English Language Arts 11	English Studies 12 or English First Peoples 12
<b>Course #2</b>	Social Studies 9	Social Studies 10 or Social Studies 10 Honours	Social Studies 11 or 12 (can be taken during the student's Grade 11 or 12 year)	
<b>Course #3</b>	Mathematics 9	Foundations and Pre-Calculus 10 or Foundations and Pre-Calculus 10 Honours or Workplace Mathematics 10	Mathematics 11 or 12 (can be taken during the student's Grade 11 or 12 year)	
<b>Course #4</b>	Science 9	Science 10 or Science 10 Honours	Science 11 or 12 (can be taken during the student's Grade 11 or 12 year)	
<b>Course #5</b>	Physical & Health Education 9	Physical & Health Education 10	Elective	Elective
<b>Course #6</b>	Arts Education	Career Life Education 10	Elective	Career Life Connections 12
<b>Course #7</b>	Applied Design, Skills and Technology (ADST)	An Arts Education 10, 11 or 12 and/or An Applied Design, Skills, and Technologies 10, 11 or 12 (can be taken during the student's Grade 10, 11 or 12 year)		
<b>Course #8</b>	Elective (This can be a Modern Language, additional Arts Education, ADST, other)	Elective	Elective	Elective

# FRENCH IMMERSION REQUIRED COURSES

	Grade 09	Grade 10	Grade 11	Grade 12
<b>Course #1</b>	English Language Arts 9	English Language Arts 10 or English 10 Honours	English Language Arts 11	English Studies 12 or English First Peoples 12
<b>Course #2</b>	Francais Langue Seconde 9	Francais Langue Seconde 10	Francais Langue Seconde 11	Francais Langue Seconde 12
<b>Course #3</b>	Mathematics 9	Foundations and Pre-Calculus 10 or Foundations and Pre-Calculus 10 Honours or Workplace Mathematics 10	Mathematics 11 or 12 (can be taken during the student's Grade 11 or 12 year)	
<b>Course #4</b>	Science Naturelles 9	Science 10 or Science 10 Honours	Science 11 or 12 (can be taken during the student's Grade 11 or 12 year)	
<b>Course #5</b>	Sciences Humaines 9	Sciences Humaines 10	Explorations en Sciences Humaines et Sociales 11 or Justice Sociale 12 (can be taken during the student's Grade 11 or 12 year)	
<b>Course #6</b>	Education Physique et Sante 9	Education Physique et Sante 10	Elective	Elective
<b>Course #7</b>	Arts Education	An Arts Education 10, 11 or 12 and/or An Applied Design, Skills, and Technologies 10, 11 or 12 (can be taken during the student's Grade 10, 11 or 12 year)		
<b>Course #8</b>	Applied Design, Skills and Technology (ADST)	Career Life Education 10	Elective	Career Life Connections 12

# APPRENTICESHIP AND CAREER PROGRAMS

Programs that start careers and grow experience!



**YOUTH EXPLORE TRADES SKILLS - CONSTRUCTION 10/11/12**

**MSTX-0A, MSTX-1A or MSTX-2A**

- This program gives you 120 hours of hands-on experience in more than one trade. You'll learn the basics, explore your interests and get a sense of what trade you want to pursue. From there, you can move onto one of the apprenticeship programs, such as the Youth Train in Trades Program or the Youth Work in Trades Program.
- Operate tools and build items in hands-on activities in such areas as electrical, piping, framing, finishing carpentry, drywall and other trades.
- Field trips and trade employer networking may be included in the course

**Open to:** Grade 10/11/12 students

**Location:** Regular NWSS Block Class

**High school credits:** 1 course (4 credits)

Watch: <https://www.youtube.com/watch?v=lgACbGBpZms&feature=youtu.be>

## ON-SITE YOUTH TRAIN IN TRADES APPRENTICESHIP PROGRAMS

**\*Youth Train in Trades (TRAIN) programs require submission of an application package and an interview.\***

Email Mrs. McArthur, Career Coordinator [tmcarthur@sd40.bc.ca](mailto:tmcarthur@sd40.bc.ca) to set up an appointment

### CARPENTRY APPRENTICESHIP PROGRAM

TRNA-2ACA, TRNA-2BCA, TRNA-2CCA, TRNA-2DCA

- Build and repair a vast array of structures made of wood, wood substitutes and other materials
- Assemble and erect forms for concrete, wood and metal frame construction
- Use plans and instruments to prepare for excavating and shoring
- Develop a diverse set of carpentry skills in understanding residential and commercial construction
- Work side by side with Red Seal Carpenters at both NWSS and BCIT

**Open to:** Grade 11 & 12 students in semester 2

**Location:** New Westminster Secondary School with 6 weeks at BCIT

**High school credits:** Four Grade 12 courses = 16 credits

**Post-secondary credits:** Level 1 technical training recognized by the Industry Training Authority (ITA)

**Minimum requirements:** English 11 and any type of Math 11 (not Accounting 11), strong interest in the construction industry

**Cost paid by student:** material fee, refundable toolbox deposit, and workbook cost

**Registration:** Contact the Career Coordinator for more information and to apply

Watch: <https://www.youtube.com/watch?v=TLTI0iKGBz4>

### PLUMBING APPRENTICESHIP PROGRAM

TRITA2APL, TRITA2BPL, TRITA2CPL, TRITA2DPL

- Students learn how to plan, design, install and service various types of piping systems.
- They work with residential water heating, supply and drainage systems.
- Students learn how to read blueprints and develop basic drafting and sketching skills.
- The students also learn how to correctly use industry specific tools and machinery.

**Open to:** Grade 11 & 12 students in semester 1

**Location:** New Westminster Secondary School with 4 weeks at the Piping Industry College (PIC)

**High school credits:** 4 grade 12 courses = 16 credits

**Post-secondary credits:** Level 1 technical training recognized by the Industry Training Authority (ITA)

**Minimum requirements:** English 10/11 and any type of Math 10/11 (not Accounting 11)

**Cost paid by student:** material fee and workbook cost

**Registration:** Contact the Career Coordinator for more information and to apply

Watch: <https://www.youtube.com/watch?v=TLTI0iKGBz4>

## PROFESSIONAL COOK 1 PROGRAM

PZ-2APC, PZ-2BPC, PZ-2CPC, PZ-2DPC, PZ-2EPC

- Performs all phases of kitchen activities including the preparation and presentation of vegetables, soups, sauces, meat, fish and poultry, cold kitchen items
- Desserts, baking, pastry
- Basic menu planning/costing as well as knowledge of safety, sanitation and food storage
- Work side by side with Red Seal Chefs at NWSS and VCC
- Use industry equipment and processes

**Open to:** Grade 11 & 12 students in Semester 2

**Location:** New Westminster Secondary School plus 5 weeks in the summer at VCC's Vancouver campus

**High school credits:** 5 grade 12 courses = 20 credits

**Post-secondary credits:** Professional Cook 1 from the Industry Training Authority (ITA)

**Minimum requirements:** English 10/11 and any Math 10/11, plus Food Safe certificate, physically able; must have completed a Culinary Arts 10, 11, or 12 course or be willing to complete such a course in semester 1 before this program starts

**Cost paid by student:** material fee, refundable tool/textbook deposit

**Registration:** Contact the Career Coordinator for more information and to apply

Watch: <https://www.youtube.com/watch?v=3dgWEJ8Ck74>

## OFF-SITE YOUTH TRAIN IN TRADES APPRENTICESHIP PROGRAMS

New Westminster School District is able to request availability of seats and fund tuition for trades training in other apprenticeable trades. Post-secondary seats need to be requested by Career Coordinator early in the student's grade 11 year.

Visit: <https://youth.itabc.ca/trades-a-z/>

**Open to:** Grade 12 students

**Location:** At various post-secondary institutions depending on program

**High school credits:** Varies on length of program 4-10 courses

**Post-secondary credits:** Varies (Foundation program, Level 1 Certification)

**Registration:** Contact the Career Coordinator for more information and to apply

## YOUTH WORK IN TRADES

### YOUTH WORK IN TRADES 11A & B, 12A &

BMWKR-1A, MWRK-1B, MWRK-2A, MWRK-2B

Get ahead on the work-based training of a trade apprenticeship while you're still in high school. Not only will you take home a pay cheque, you'll earn up to 16 credits towards your high school diploma, log 480 training hours toward your trade credential and maybe even earn a \$1,000 award. Youth Train in Trades and Youth Work in Trades programs can be taken in any order and there are no prerequisites.

**High school credits:** for every 120 hours of apprenticeship, 1 course may be earned, up to a total of 4 courses = 16 credits

**Post-secondary credits:** Work-based training hours toward Level 1 Apprenticeship

**Minimum requirements:** paid job in a trades area, 15 years of age or older, working under the supervision of a certified journeyman

**Registration:** Contact the Career Coordinator for more information and how to register.

# BUSINESS EDUCATION (ADST)

<https://curriculum.gov.bc.ca/curriculum/adst>

## **ACCOUNTING 11**    MAC--11

In this course, students will learn how accounting helps support businesses in making financial decisions. Students will learn the fundamentals of accounting which are valuable for students who are interested in running their own business or in a career in accounting. Topics include debits and credits, industry best practices, journal entries and preparing financial documents.

**A fee may be charged for this course.**

## **ACCOUNTING 12**    MACC-12

This course includes a review of Accounting 11 and a thorough study of modern computer accounting methods and software. Students will learn about how financial literacy promotes the financial well-being of both individuals and businesses. They will explore many different types of businesses, with the majority of the classwork being practical application and in-class assignments. Students completing this course will have a highly employable skill and an in-depth understanding of how many different types of businesses function.

**RECOMMENDED:** Accounting 11.

## **ENTREPRENEURSHIP and MARKETING 10**                    MADEM10

*\*open to grade 9 and 10 students*

*\*meets the requirement for ADST 9*

Marketing skills and strategies are applicable to every career. Entrepreneurship and Marketing 10 is a course that looks at basic marketing and business principles including entrepreneurship, marketing research, product planning, branding, packaging, pricing, sales promotion and advertising. Students will gain valuable experience in school based projects. This is a must course for any student who is interested in business or who is looking for a practical way to apply their creativity.

## **MARKETING & PROMOTION 11**                    MMAP11

In this course, students will learn about how marketing services and products can be designed through consultation and collaboration and that personal design choices require the evaluation and refinement of skills. The course will examine international business, advertising, business ethics and e-commerce. Evaluation and assessment will be focussed on group activities and presentations in addition to individual work.

## **ENTREPRENEURSHIP 12**                    MENT-12

Builds on concepts learned in Marketing & Promotion 11. Students will learn to analyze the business environment and evaluate the various marketing strategies, corporate social responsibility efforts and branding techniques of familiar companies in the world of business such as Patagonia, Apple, Bell and Coca-Cola. Students will learn how to identify good opportunities for new businesses and will develop a business plan of their own. This course is ideal for students interested in attending business school or starting their own business.

**RECOMMENDED:** Marketing and Promotion 11

# CAREER & LEADERSHIP EDUCATION

<https://curriculum.gov.bc.ca/curriculum/career-education>

## CAREER EDUCATION



### CAREER LIFE EDUCATION 10

MCLE-10

Career-Life Education supports students in becoming successful, educated citizens by helping them learn how to effectively manage their life journey toward preferred future possibilities. It focuses on gaining a clear understanding of career-life development knowledge, skills, and strategies for life's journey into adulthood. **Career Life Education 10 will be delivered as a Blended Model.** It includes:

- the exploration of career-life possibilities for adult life - its roles, opportunities, and community resources
- examination of ways to publicly represent ourselves both face-to-face and in digital environments
- the practising of inclusive and respectful interactions for various community and work-related contexts
- connecting and engaging with supportive community members
- researching post-graduation options and planning resources, such as labour market trends, budgeting tools, and workplace safety guidelines

### CAREER LIFE CONNECTIONS 12

MCLC-12

Career-Life Connections will enable students to develop the skills they need to become self-directed individuals who successfully set goals, make thoughtful decisions and take responsibility for pursuing their goals throughout life. Building from CLE 10, students will explore post-secondary education options, careers, health and finances. At the end of the course, students will be more aware of opportunities that are available to them. Career-Life Connections focuses on applying personal career-life management knowledge, skills, and strategies toward a personal life journey.

The Capstone is the final project for this course. It is a requirement for Career-Life Connections and for graduation. The purpose of the capstone is for students to demonstrate the knowledge, competencies, and passion(s) that they can offer the world, as they integrate personal interests and strengths with preferred future possibilities. It is a representation of the student's learning journey and provides an opportunity to reflect and synthesize as well as showcase and celebrate. **Career Life Connections 12 will be delivered as a Blended Model.**

A critical part of Career Life Connections 12 is the student-mentor relationship. Mentors provide students with practical, "real world" guidance as the students move toward career and/or post-secondary decisions. With this in mind, please note the following:

- It is the student's responsibility to identify a mentor and to document all interactions with the mentor.
- A minimum of three interactions is required throughout the duration of the Career Life Connections 12 course.
- A mentor will guide students to refine their career life development goals, cultivate community connections, and reflect on their learning in and out of school.

Students are also required to complete 30 hours of career-life work exploration, which encompasses a multitude of options. Students can find paid, or volunteer work. They can use work or volunteer experience from the past, present employment, or seek out new experiences to complete this requirement.

Below is a list of opportunities that may be considered for the fulfillment of the 30 hour career-life exploration component:

- Prior or current paid or unpaid work experience
- Volunteerism or community service
- Work Experience 12A/B
- Youth Work in Trades 11/12
- Leadership or service learning
- Fieldwork, entrepreneurship, and projects focused on an area of deep interest

It is the student's responsibility to provide documentation of the 30 hours of work exposure.

Students who cannot arrange for work/volunteer experience over the duration of the course, that they can complete their 30 hour work exposure requirement by researching, and presenting a project about possible future career options.

This course is delivered as a blended learning opportunity. CLC 12 is a Full Year course scheduled outside the regular timetable (Z block). CLC 12 is predominately delivered on Microsoft Teams in which students are required to attend at the teacher's discretion. Meeting times and office hours will be negotiated, to accommodate student and teacher schedules. Students may schedule face-to-face sessions with their teachers for individual support as needed, and for special presentations.

Experience with online learning will support future post-secondary experiences and lifelong education.



## LEADERSHIP EDUCATION

### CONFLICT RESOLUTION 11 YIPS-1C

Are you thinking of going into careers involving helping others, education, health care, business, entrepreneurship, law enforcement, or other service industries? Then this is the course for you! This is an introduction to collaborative conflict resolution skills. Topics include specific communication skills, the dynamics of conflicts, anger management, understanding and handling emotions, and the negotiation model as a process for handling disputes. This is an interactive course that includes team building, discussion and role play activities in a safe and supportive learning environment. Students are able to obtain dual credit for this course in the Justice Institute of BC's Centre for Conflict Resolution certificate program. The course credit assigned depends on the grade the student is in; for example, a grade 11 student would normally get credit for Conflict Resolution 11.

Open to Grades 9 – 12 students

## CONFLICT RESOLUTION LEADERSHIP

YIPS-2B

This course is the more advanced course offered in the NWSS Conflict Resolution Program. Topics discussed in the first level course are extended and further integrated in the students' repertoire. Students enhance their skills in how to have sticky conversations and tap into the potential creative energy that lies in conflict to create longer-term solutions that preserve relationships. An added component to this course is the study of selected topics in mediation; namely, dealing with intense emotions; shifting from positions to interests; advanced skill development; and dealing with defensiveness. Students will also develop their leadership and coaching skills. Dual credit for this course is available at the Justice Institute of BC.

Recommended: Conflict Resolution 11



### LEADERSHIP 10, 11, 12 YCPA-0A-2FY, ICPA-1A-2FY, YCPA-2A-2FY

Leadership is an individualized program for students who are interested in assuming leadership roles in the NWSS Student Leadership Council. This course provides students the opportunity to become active citizens in the school community. Students will develop skills in the areas of organization, communication and team building. Students taking this course must have the initiative to plan and implement activities for others in the school and work with other agencies in the community. Due to the nature of this Z-block course, which meets regularly in the early morning (7:30AM) throughout the year, students must be able to attend all regular meetings and commit to an additional 60 service hours outside of meeting times (at lunch and after school). It is recommended that Grade 9's take Athletics Leadership 9 in their first year of high school. NOTE: Grade 9 students may only apply for this program if there is space in second semester by contacting the instructor.

Admission/Pre-requisite: Application, Interview, and Written Recommendation from a teacher is required. In addition, a required information meeting for all levels is held in late May/June.

## WORK EXPERIENCE

### WORK EXPERIENCE 12A/B MWEX-2A, MWEX-2B

Work Experience 12 prepares you for the transition from secondary school to the world of work or further education and training. 20% of work experience course hours is devoted to in-school learning for the course. 80% of the time will consist of actual work placements in the community setting where you will be able to:

- Apply classroom learning in a context outside of school and bring back new perspectives
- Network with employers for future jobs
- Negotiate and manage your own schedule

An **application** process is required. Once students have applied to Work Experience, a Career Programs teacher will schedule an interview with you in order to ensure there is an appropriate match for a work placement and notify you of the results by the end of the current school year.

# CULINARY ARTS & HOME ECONOMICS (ADST)

<https://curriculum.gov.bc.ca/curriculum/adst>

## CULINARY ARTS

With the kitchen as the classroom, students enrolled in Culinary Arts are exposed to the commercial side of food production, learning through practical application and service.



### CULINARY ARTS 10 MCUL10

- Learn safe food handling practices in a commercial kitchen setting
- Utilize a wide variety of culinary equipment and ingredients to help develop a diverse menu
- Work alongside culinary experts to create gourmet foods and bakery items
- Students will earn a Food Safe Level One Certificate which can help them get hired in restaurants
- **Grade 9s** are welcome to request this course, subject to availability
- Course Fee: \$25

### CULINARY ARTS 11 MCUL-11

- Explore the artistic elements of the culinary arts through plating and presentation
- Use sustainable and local products to create gastronomical delights for daily lunch service in a commercial kitchen
- Utilize a variety of modern cooking methods and techniques
- Students will earn a Food Safe Level One Certificate which can help them get hired in restaurants.
- Course Fee: \$25

### CULINARY ARTS 12 MCUL-12

- Refine your culinary skills while being a part of the kitchen environment
- Explore menu design and learn to create well balanced dishes
- Work collaboratively to support the school community by helping to create exciting daily specials
- Students will earn a Food Safe Level One Certificate which can help them get hired in restaurants.
- Course Fee: \$25

## HOME ECONOMICS

Integrates the knowledge, processes, and practical skills from multiple areas needed to navigate life.

### FASHION INDUSTRY 12 **NEW!!!** MFIND12

*\*open to grade 11 and 12 students -no sewing experience required*

- Explore current fashion trends and the world of fashion designers
- Apply the elements and principles of design
- Examine the history of fashion, and historical influences on current styles
- Study the properties of fibres and fabrics employed in clothing and accessory design and construction
- Design for the life cycle, considering social and environmental impacts
- Use specialized tools and technologies to produce prototypes
- Consider ethical and environmental factors in the production and marketing of fashion
- Evaluate marketing and merchandising strategies, including brand development & trendsetting
- Research career opportunities in the fashion industry

## **FOOD STUDIES 10** MFOOD 10

\*open to grade 9

\*meets the requirement for ADST 9

- Utilizing design thinking,
- Gain independence as you develop safe and sanitary work habits
- Utilize common kitchen tools and technologies
- Explore new recipes and ingredients in creating food
- Design food in cooking challenges
- Meet new people as you create and share meals
- Foster sustainable food practices
- Link eating practices with your wellness



## **FOOD STUDIES 11** MFOOD11

- Utilizing design thinking,
- Develop and modify your own recipes
- Prepare food using specialized tools and technologies
- Experience the diversity of global cuisines
- Design food in cooking challenges
- Consider issues involved with food security
- Meet new people as you create and share meals
- Foster sustainable food practices
- Students may be able to earn a Food Safe Level One Certificate which can help them find employment (for that, a fee will be charged)

## **FOOD STUDIES 12** MFOOD12

*\*Some previous food preparation experience is recommended.*

- Utilizing design thinking,
- Prepare complex recipes and multi-course meals
- Design food through consultation and collaboration
- Evaluate and refine your skills
- Use specialized tools and technologies
- Enjoy freedom to choose individual experience based on your passions and interests
- Develop your food philosophy
- Gain insight into food justice and food sovereignty
- Discern roles of government in forming food policy
- Explore career options in the food system
- Meet new people as you create and share meals
- Foster sustainable food practices
- Students may be able to earn a Food Safe Level One Certificate which can help them find employment. For that, a fee will be charged.



## INTERPERSONAL AND FAMILY RELATIONSHIPS 11 MIAFR11

*\*This course is offered only every second year*

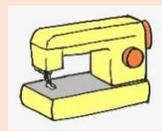
Critical life skills, such as communication, will be learned and practiced throughout the course. Interpersonal and Family Relationships 11 focuses on social, family, romantic, workplace and community relationships. Local and global perspectives will be included. You will learn about interpersonal relationships, including the nature of committed relationships, factors involved in ending relationships, components of healthy relationships, and indicators of unhealthy relationships. Excellent course for those interested in pursuing careers in psychology, social

work, counseling, education, advocacy, business, and health.

## CHILD DEVELOPMENT AND CAREGIVING 12 NEW!!! MCDAC12

This is a class that teaches students how to successfully manage “life”. Critical life skills, such as communication and identifying personal values and goals, will be learned and practiced throughout the course. Child Development and Caregiving 12 focuses on pregnancy, infancy, caregiving and child development. The acclaimed ‘Baby Think it Over’ infant simulator program may be included. Service design opportunities exist such as creating programs and activities for children and caregivers. Excellent course for those interested in pursuing careers in psychology, social work, counseling, education, advocacy, business, and health. A fee may be charged for this course.

## TEXTILES 10 MTXT10



Are you interested in sewing? An exciting opportunity awaits you! Textile items, from inspiration to final product, are taken through the design process. Raw materials, design alterations and upcycling will be covered, taking into account principles of design, as well as environmental and ethical issues. Several textile items will be created using a variety of hand and machine sewing techniques. This course ranges from basic to semi-advanced

construction techniques. Projects will emphasize a variety of skills such as alterations, specific sewing techniques (zippers, collars, buttonholes, etc.) and independent work. Recycling materials and making effective use of resources is strongly encouraged. Fabric Arts such as Embroidery, Cross-stitch, Weaving, Quilting and Appliqué may be included. Come and enjoy creating new things and maybe develop a lifelong hobby. Basic materials necessary to meet the curricular competencies and content learning standards will be provided. Individual projects, chosen to enrich the course, will be the student’s responsibility. A fee may be charged for this course.

## TEXTILES 11 MTXT-11



Are you interested in sewing? An exciting opportunity awaits you! Textile items, from inspiration to final product, are taken through the design process. Raw materials, design alterations and upcycling will be covered, taking into account principles of design, as well as environmental and ethical issues. Several textile items will be

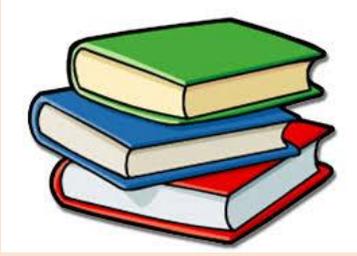
created using a variety of hand and machine sewing techniques. This course ranges from basic to semi-advanced construction techniques. Projects will emphasize a variety of skills such as alterations, specific sewing techniques (zippers, collars, buttonholes, etc.) and independent work. Recycling materials and making effective use of resources is strongly encouraged. Fabric Arts such as Embroidery, Cross-stitch, Weaving, Quilting and Appliqué may be included. Come and enjoy creating new things and maybe develop a lifelong hobby. Basic materials necessary to meet the curricular competencies and content learning standards will be provided. Individual projects, chosen to enrich the course, will be the student’s responsibility. Must be self-motivated. While helpful, no prior sewing experience is required. A fee may be charged for this course.



## TEXTILES 12

MTXT-12

Can you sew independently? Are you self-motivated and wanting to build your sewing skills? An exciting opportunity awaits you! Review basic construction techniques and learn more advanced skills. Textile items, from inspiration to final product, are taken through the design process. Raw materials, design alterations and upcycling will be covered, taking into account principles of design, as well as environmental, legal, and ethical issues. Several projects will be constructed, depending on student's interests, skill level, experience and project complexity. Projects will emphasize a variety of skills such as alterations, specific sewing techniques (zippers, collars, buttonholes, etc.) and independent work. Recycling materials and making effective use of resources is strongly encouraged. Fabric Arts such as Embroidery, Cross-stitch, Weaving, Quilting and Appliqué may be included in garments or other textile items. Come and enjoy creating new things and maybe develop a lifelong hobby. Basic materials necessary to meet the curricular competencies and content learning standards will be provided. Individual projects, chosen to enrich the course, will be the student's responsibility. Previous Textiles courses strongly recommended. Independent sewing and self-motivation are essential for success in ADST Textiles 12. A fee may be charged for this course.



# ENGLISH LANGUAGE ARTS

<https://curriculum.gov.bc.ca/curriculum/english-language-arts>

## ENGLISH LANGUAGE ARTS 9

**Students must take English Language Arts 9. This course is required by the Ministry and is worth four credits. Like the senior courses, ELA 9 courses include the five Big Ideas and will incorporate Indigenous content and principles of learning. Students are expected to meet the learning standards and all students will be assessed on their skills in: reading, listening, viewing, writing, speaking and representing.**

**English 9**                      MEN--09

Using oral, written, visual, and digital texts, students are expected individually and collaboratively to be able to: comprehend and connect texts while creating and communicating to demonstrate their learning. Students will explore a wide range of texts and media, while learning about language structures, devices and conventions. Students will practice the following skills: reading, listening, viewing, writing, speaking and representing. By the end of the course, students will need to demonstrate that they read, analyze and synthesize texts, that they have strategies for reading, thinking, writing and speaking.

## ENGLISH LANGUAGE ARTS 10

**Every student will be enrolled in Literary Studies 10 along. In addition, every student will select one of the four other options (Composition 10, Creative Writing 10, New Media 10 and Spoken Language 10) for a combination of two Ministry developed courses worth two credits totaling four credits. Each option includes three or more common Big Ideas and will incorporate Indigenous content and principles of learning. Students are expected to meet the same learning standards, and all students will be assessed on their skills in: reading, listening, viewing, writing, speaking and representing.**

**Composition 10 and Literary Studies 10 (4 credits)**                      MLTST10 & MCMP510

This course was designed for students to explore literature while developing skills in written communication in a variety of contexts. The course allows students to read, select, analyze and synthesize literature as they explore literary works in a variety of media, from a range of geographic areas and from a range of voices. This course is designed to support students in their development of written communication through a critical process of questioning, exploring, and sampling. The course also provides students with opportunities to think critically as they explore, extend, and refine their own writing. Within a supportive community of writers, students will work individually and collaboratively to explore and create coherent, purposeful compositions. They will develop their craft through processes of drafting, reflecting, and revising to build a body of work that demonstrates breadth, depth, and evidence of writing for a range of real world experiences.

### **Creative Writing 10 and Literary Studies 10 (4 credits)**

MLTST10 & MCTWR10

This course was designed for students to explore literature while developing their own creative expression through language. This course allows students to read, select, analyze and synthesize literature as they explore literary works in a variety of media, from a range of geographic areas and from a range of voices. The course provides students with in-depth opportunities to explore and practice the craft of writing by examining personal and cultural identities, memories, and stories in a wide range of genres. Within a supportive community of writers, students will collaborate and develop their skills through writing and design processes. This course is intentionally grounded in the exploration and application of writing processes, inviting students to express themselves creatively as they experiment with, reflect on, extend, and refine their writing.

### **New Media 10 and Literary Studies 10 (4 credits)**

MLTST10 & MNMD-10

This course was designed for students to explore literature while examining the changing role of technology in the past, present and future. The course allows students to read, select, analyze and synthesize literature as they explore literary works in a variety of media, from a range of geographic areas and from a range of voices. Students will explore literary traditions and past anxieties and speculations about technology from past and current literary traditions while recognizing that digital literacy is an essential characteristic of the educated citizen. Coursework is aimed at providing students with a set of skills vital for success in an increasingly complex digital world by affording opportunities to demonstrate understanding and communicate ideas through a variety of digital and print media.

### **Spoken Language 10 and Literary Studies 10 (4 credits)**

MLTST10 & MSPLG11

Spoken Language 11 is designed to support students as they refine, clarify, and adjust their spoken communication through processes of questioning, exploring, and sampling. The course builds students' spoken language competencies by introducing them to varied structures, forms and styles of oral compositions and by providing opportunities for students to individually and collaboratively study, draft and use language to create original pieces in a variety of modes. This area of choice will also provide students with opportunities for performance, storytelling, and public speaking.

**ENGLISH 10 HONOURS** See page 74

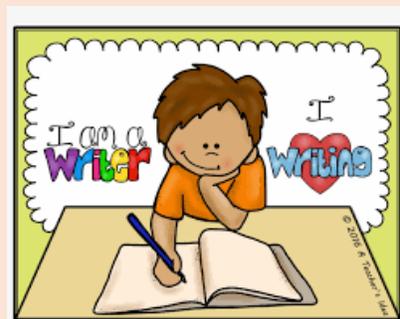
MEN-10H

## **ENGLISH LANGUAGE ARTS 11**

Students must complete one English Language Arts 11 course for Graduation. These courses are a continuation of four credit courses developed by the Ministry of education and will incorporate Indigenous content and principles of learning. Students are expected to meet the learning standards and all students will be assessed on their skills in: reading, listening, viewing, writing, speaking and representing.

### **Composition 11** MCMPS11

This course is designed to support students as they refine, clarify, and adjust their written communication through practice and revision. Students will read and study compositions by other writers and be exposed to a variety of styles as models for the development of their writing. The course provides opportunities for students to, with increasing independence, study, create, and write original and authentic pieces for a range



of purposes and real-world audiences. They will expand their competencies through processes of drafting, reflecting, and revising to build a body of work that demonstrates expanding breadth, depth, and evidence of writing for a range of situations. They will develop confidence in their abilities as they consolidate their writing craft.

### **Creative Writing 11** MCTWR11

This course is designed for students who are interested in developing confidence and refining their writing skills through self-expression for various creative purposes. The course provides students with in-depth opportunities to explore personal and cultural identities, memories, and stories in a wide range of genres. Within a supportive community, students will collaborate and strengthen their skills through writing and design processes. Creative Writing 11 is grounded in the exploration and application of writing processes, inviting students to express themselves creatively as they reflect on, adjust, and extend their writing skills using fiction, creative nonfiction, memoir and other forms.

### **Literary Studies 11** MLTST11

This course allows students to delve deeply into literature. Students can explore specific themes, periods, authors, or areas of the world through literary works (fiction and nonfiction) in a variety of media. Students will explore some common texts and also the choice of a range of literary topics allows them to follow their passion and at the same time: increase their literacy skills through close reading of appropriately challenging texts; enhance their development of the English Language Arts curricular competencies, both expressive and receptive; expand their development as educated global citizens; develop balance and broaden their understanding of themselves and the world; and develop higher-level thinking and learning skills.



### **Spoken Language 11**

MSPLG11

Spoken Language 11 is designed to support students as they refine, clarify, and adjust their spoken communication through practice and revision. The course provides opportunities for students to, with increasing independence, study, create, write, and present original and authentic pieces for a range of purposes and real-world audiences. They will expand their competencies through processes

of drafting, reflecting, and revising to build a body of work that demonstrates expanding breadth, depth, and evidence of spoken language genres for a range of situations. They will develop confidence in their abilities as they consolidate their spoken language skills.

## **ENGLISH LANGUAGE ARTS 12**

Students **MUST** take English Studies 12 or English First Peoples 12. Students may also choose other ELA courses as electives. The Ministry requires that all students take a Literacy Assessment, but the assessment is separate from ELA 12 courses. Each course is a four credit course developed by the Ministry of education. While there are no prerequisites, students should consider their planning based on their post-secondary goals. Students are expected to meet the learning standards and all students will be assessed on their skills in: reading, listening, viewing, writing, speaking and representing.

## **English Studies 12**      **MENST12**

The **required** English Studies 12 course builds upon and extends students' previous learning experiences in English courses. It is designed for all students and provides them with opportunities to: refine their ability to communicate effectively in a variety of contexts and to achieve their personal and career goals; think critically and creatively about the uses of language; explore texts from a variety of sources, in multiple modes, and reflective of diverse worldviews; deepen their understanding of themselves and others in a changing world; gain insight into the diverse factors that shape identity; appreciate the importance of self-representation through text; contribute to Reconciliation by building greater understanding of the knowledge and perspectives of First Peoples; and expand their understandings of what it means to be educated Canadian and global citizens.

## **English First Peoples 12 (4 credits)**      **MENFP12**

English First Peoples 12 offers students of all backgrounds the opportunity to explore First Peoples' worldviews through literature. The First Peoples Principles of Learning guide students and teachers through the rigorous curriculum. The course highlights Canadian and International First Peoples literature as the point of discussion and analysis. Like English Studies 12, students in EFP 12 are expected to demonstrate understanding of sophisticated texts of recognized literary merit and complete challenging assignments to rigorous academic standards. **Students may chose English First Peoples 12 to satisfy their ELA 12 requirement for Graduation.**

## **Creative Writing 12 (4 credits)**      **MCTWR12**

Want to write and record a podcast? Or perform a slam poem? What about flipping the script on a classic tale? Creative Writing 12 is an elective course designed to allow students to create a body of work reflective of a sophisticated breadth and depth of skill. The course provides students with opportunities to specialize and publish in real-world contexts. Students engage in the exploration of personal and cultural identities, memories, and stories, in a wide range of genres. Within a supportive community, students will collaborate and develop their skills through writing and design processes, celebrating successes.

# INCLUSIVE EDUCATION

## INCLUSIVE EDUCATION OPTIONS

### **SUPPORT BLOCK**

**XSPBKO**

Students may have designated support blocks within their schedules to receive targeted support in one or more classes. Any student may come to the HUB for additional support.

### **IPP BLOCK – Individual Program Planning Block**

**XLDC10**

The objective of this class has been for students to build their study and learning skills with support focused on their Individual Education Plan goals. With support from the Learning Support Teacher each student works through their assigned tasks from any of their courses, as well as, improving study and organizational skills.

### **HOMEROOM**

**XSIEPO**

For some students, homerooms are a starting place in Block A. The student may start their day in homeroom to review their schedule, work on individual goals and programs and perform class or school jobs.

### **LITERACY AND NUMERACY**

**XLDC10**

In this course, a variety of numeracy and literacy topics will be explored using technology and hands-on materials based on the students individual IEP literacy and numeracy goals.

### **SOCIAL SKILLS**

**XLIFE10SS**

Social Skills offers far more than the ability to communicate with other people. The skills learned are crucial to making friends, succeeding in school and obtaining a job.

### **COMMUNITY ACCESS**

**XLIFE10**

Community access offers students to learn about self-advocacy, walking safely in the community, exploring businesses and resources close to NWSS, while building a portfolio of learning for their transition to life after high school.

### **INDEPENDENT LIVING**

**XLIFE10S2**

Independent living is a follow up course to Community Access and is offered in Semester 2. In this course, students will learn about food and nutrition, grocery shopping skills, age appropriate chores, transit skills, and work on individual goals to promote independence at home and in the community.

### **WORK EXPERIENCE**

**XWE-12-0001/XWE-12-0002**

The Work Experience course is intended to help special needs students with the transition from secondary school to the world of employment, as well as, further education and training. Students gain knowledge and experience about the workplace and students are provided with an opportunity to apply classroom learning in a context outside of school (when possible) to bring back to the classroom new perspectives about their learning.

There is a classroom component to this course which consists of:

- Self-Assessment – interests, reasons to work, what is work, what jobs to explore
- Workplace Ethics
- Job Search Skills
- Developing a Resume
- Interview Skills
- Job Coaching
- Communication Skills/Social Skills
- Skills for being a good Employee
- Workplace Safety Management
- Keeping a Job

As with most students and adults, hands-on learning has the greatest positive effect on achievement and thus self-esteem and confidence. Our employers often learn new skills and therefore promote inclusive employment to people for the future.

## ENGLISH LANGUAGE LEARNERS

English Language Learning programs are offered to help students develop fluency and literacy in English so that they will be able to function in the social and academic environment of mainstream classes.

Goals and Objectives:

- Social and communicative proficiency (the language of social interaction) in everyday life.
- Academic communicative proficiency (the language of academic instruction) in school life.
- Learning strategies, study skills, and problem solving skills pertaining to school and everyday life.
- Speaking, listening, reading, writing and English grammar.

### **ENGLISH LANGUAGE DEVELOPMENT 10 YESFL0C**

This course is designed for students who have no or very limited English and who may understand simple oral exchanges or produces simply worded sentences. The course is designed to introduce ELL students to the four main English language skills of reading, writing, listening, and speaking. It also encourages the viewing and representation of materials. The course focuses on developing strategies needed to read, write and extract information successfully in English, and addresses specific needs of students regarding language and culture. Throughout the course students participate in authentic real-life situations. Students demonstrate English language proficiency in oral, visual, and simple written forms using Simple Present, Past, and Future Tenses. Students identify and compare their own customs to Canadian culture and customs.

### **ENGLISH LANGUAGE LITERACY 1 XESL-0901**

This course is designed to provide language instruction and support for ELL students who are in the Beginning, Developing and Expanding phases of language acquisition. These courses are designed to enhance a student's language acquisition process through listening, speaking, reading and writing activities. Upon completion of these courses, an individual assessment is done by the ELL specialist to determine the next placement for each student.

### **ENGLISH LANGUAGE LEARNERS 2 XESL-0902**

This course is designed to enable students to learn strategies and extend skills in the main areas of reading, writing, listening, speaking and cultural awareness and learning strategies. The focus will be on

activities in the area of informational communication, mass media and literary communications. This course is recommended for ELL students who are expanding and consolidating their English language skills. Upon completion of this course, an individual assessment is done by the ELL specialist to determine if further ELL service is required.

**ENGLISH LANGUAGE LEARNERS 3                      XESL-0903**

In this course, students continue to improve their speaking, listening, reading, and writing. This class focuses on both literature and language, and gives students an opportunity to read, discuss, respond and connect to a variety of texts. This course focuses on helping students further develop vocabulary and language skills that are necessary in the study of academic concepts. Upon completion of this course, an individual assessment is done by the ELL specialist to determine if further ELL service is required.

**ENGLISH LANGUAGE LEARNERS 4                      XESL-0904**

In this course, students continue to strengthen their four language skills. Students will read and interpret a variety of literary genres (poetry, short stories, novels, drama), employ a variety of writing styles, expand their vocabulary, and further hone their grammar skills. Level 4 students can take a regular English course. Upon completion of this course, an individual assessment is done by the ELL specialist to determine if further ELL service is required.



# INFORMATION & COMMUNICATIONS TECHNOLOGY (ADST)

<https://curriculum.gov.bc.ca/curriculum/adst>

## COMPUTER PROGRAMMING

### **WEB DEVELOPMENT 9/10      Focus: HTML, CSS, JavaScript      MWBDV10**

Students in grade 9 and 10 are expected to know, do and understand the following: design opportunities, relationship between web structure and content, HTML, style and design, cascading style sheets (CSS), and website functionality and interactivity, advantages/disadvantages of websites and content management systems (CMS), website design planning tools, HTML text editing software, WYSIWYG HTML editors user interface (UI) and user experience (UX), World Wide Web Consortium (W3C) standards and responsive and optimized web design, domain and hosting options, copyright, Creative Commons, fair use protocols for media and content, and ethics of cultural appropriation, accessibility and functionality in web design, writing for the web, principles of creative web design, security and privacy implications, principles of database creation and management career options in web development and the interpersonal skills necessary for success in this field.

### **COMPUTER PROGRAMMING 10/11      Focus: C++ - Java - Python      MCMPR11** **COMPUTER PROGRAMMING 11/12      MCMPR12**

Students in grade 10 and 11 are expected to know, do and understand the following: design opportunities, design cycle, problem decomposition, structures within existing code, ways to modify existing code to meet a particular purpose, strategies to predict effects of code modification, pair programming, programming language constructs to support input/output, logic, decision structure, and loops, requirements of a problem statement, ways to transform requirements into algorithms, translation of design specifications into source code, tools to aid in the development process, pre-built libraries and their documentation, inline commenting to document source code, use of test cases to detect logical or semantic errors, computational thinking processes, appropriate use of technology, including digital citizenship, etiquette, and literacy. In addition to the above, Students in grade 11 and 12 are expected to know, do, understand the following: advanced programming structures, standardized source code documentation, self-documenting code, collaboration tools for programming, advanced pair programming, User interface design, error handling, debugging tools, management of complexity, uses of pre-built data structures, bug reports and feature requests from users, appropriate use of technology, including digital citizenship, etiquette, and literacy, interpersonal skills necessary to work effectively within the IT sector.

### **COMPUTER STUDIES 9/10      Focus: MIT Scratch      MCSTU10**

Students in grade 9 and 10 are expected to know, do and understand the following: design opportunities, computer hardware, peripherals, internal and external components, and standards, distinctions between software types, cloud-based and desktop applications, intermediate features of business applications, including word processing, spreadsheets, and presentations, operating system shortcuts and command line operations, preventive maintenance of hardware and software, computer security risks, hardware and software troubleshooting, wired and wireless computer networking, evolution of digital technology and the impact on traditional models of computing, risks and rewards associated with big data, multi-device connectivity, and the Internet of Things, principles of computational thinking, introductory computer programming concepts and constructs, planning and writing simple programs, including games, impacts of computers and technology on society, ethical considerations of technology use, including cultural appropriation and environmental sustainability, digital literacy and digital citizenship, impacts of technology use on personal health and wellness.

**DIGITAL COMMUNICATIONS 10/11 Focus: Sony Vegas**  
**DIGITAL MEDIA DEVELOPMENT 11/12**

**MDCOM11**  
**MDMDV12**

Students in grade 10 and 11 are expected to know, do and understand the following: design opportunities, design cycle, digital tools to communicate and solicit information, impacts of social media in global communications, impacts on language use of online technology, issues in digital communication, digital communication risks, ethics and legalities in digital communication, including ethics of cultural appropriation, influences of digital marketing in online content creation and curation, changes in journalism and reporting, persuasive writing for the web, critical evaluation of online resources, sociological impacts of digital communication tool, technology to support collaboration and interaction with others, strategies for developing a digital dossier, career opportunities in digital communications, appropriate use of technology, including digital citizenship, etiquette, and literacy. Students in grade 11 and 12 are expected to know, do and understand the following: 2D, 3D, audio, and video digital media editing tools, including paid, freeware, open source, and cloud-based solutions, principles of 2D graphic design, tools and techniques for image manipulation, methods and principles of 3D graphic design, methods for digital animation, methods for 3D modelling, digital sound and audio data compression, computer-assisted versus computer-generated, principles of desktop video production, principles of user-centred design, appropriate use of technology, including digital citizenship, etiquette, and literacy, ethics of cultural appropriation, interpersonal skills, including ways to interact with clients.

**COMPUTER INFORMATION SYSTEMS 10/11 Server – Client - Networking**  
**COMPUTER INFORMATION SYSTEMS 11/12**

**MCINF11**  
**MCINF12**

Students in grade 10 and 11 are expected to know, do, understand the following: design opportunities, evolution of computer technology, including hardware, software, networks, and the Internet, lab procedures, electrical safety, and computer assembly and disassembly best practices, installation and configuration of operating systems, software installations and configurations, network planning, setup. Students in grade 11 and 12 are expected to know, do, understand the following: the Internet, and the ubiquity of online access, environmental impacts of technology consumption, design for the life cycle, personalized online portfolios, awareness and understanding of digital security risks, advanced hardware and software troubleshooting techniques, interpersonal skills necessary to work effectively, within the IT sector, design requirements of network devices, cabling, test equipment, management plans, operation manuals and documentation, deployment strategies, ongoing upgrades, maintenance, and security, network management tools, including security, imaging, backup, and remote access, functional and operational differences between hardware servers, virtual terminal applications, command line operations, appropriate use of technology, including digital citizenship, etiquette, and literacy.

## DESKTOP PUBLISHING & YEARBOOK

### DESKTOP PUBLISHING 11

YCCT-1ADP

This course is available to students in grade 10 and 11. Students are responsible for mastering the basics of creating, editing and manipulating digital images for the purposes of publication in the school yearbook. This is a morning Z block course. A required information meeting is held in June. Enrollment is limited and is done by the instructor.

**Interview and instructor permission required.**

### DESKTOP PUBLISHING 12

YCCT-2ADP

This course is available to students in grade 11 and 12. Students attain advanced knowledge of creating, editing and manipulating digital images for the purposes of publication in the school yearbook. Students also design and create pages that meet pre-press industry standards. The basics of image creation for the World Wide Web is also covered.

This is a morning Z block course. A required information meeting is held in June. Enrollment is limited and is done by the instructor. **Interview and instructor written permission required.**

### YEARBOOK 12

YCCT-2AYB

Desktop Publishing 11 or 12 strongly recommended.

This year long course is available to students in grade 12. Students are responsible for the production and distribution of the school yearbook. Students develop leadership, teamwork and editing skills. Students may be assigned to work in the areas of photography, copywriting, page layout, advertising, art, concept design and/or distribution.

The yearbook is produced using desktop publishing program and image design software.

This is a morning "Z" block course. A required information meeting is held in June. Enrollment is limited and is done by the instructor. **Interview and instructor permission required.**



## MODERN LANGUAGES

<https://curriculum.gov.bc.ca/curriculum/second-languages/all/courses>

### CORE FRENCH

#### **FRENCH 9**

**MFR--09**

Students will acquire and develop an understanding of French through this course based on a communicative approach to language learning. Students will develop language skills in listening, speaking, reading and writing. Through Francophone creative works, stories and meaningful conversations, students will explore Francophone cultures as well as their own cultural identity.

**RECOMMENDED:** French 8

#### **FRENCH 10**

**MFR--10**

This is a continuation of the French 9 Program. Students will learn to speak about their personal experiences using common language structures. Through role-playing, real-life application and stories, students will become more competent with the recurring themes in this program and will continue to develop their ability to communicate in the target language and improve their comprehension. Students will also learn about Francophone Canadians and their contributions to society as part of la francophonie.

**RECOMMENDED:** French 9

#### **FRENCH 10 HONOURS** See page 74

**MFR--10H**

#### **FRENCH 11**

**MFR--11**

This is a continuation of the French 10 Program. Students will continue to work on developing their thinking and communicating skills in the target language, including listening, speaking, reading and writing. Students will explore cultural practices and traditions in various francophone regions and creative works. There will be a greater emphasis on effective communication through the use of different verb tenses, language etiquette, register, a more sophisticated vocabulary, and use of idiomatic expressions. French 11 may provide the minimum language entrance requirement for some universities (However, specific programs may require a Language 12 course credit).

**RECOMMENDED:** French 10

#### **FRENCH 12**

**MFR--12**

This is a continuation of the French 11 Program. With increased proficiency in French, students will express themselves with increasing fluency and accuracy, able to justify opinions and developing their identity as French speakers. Through francophone cultures, students will explore global issues and forms of cultural expression to develop their intercultural understanding and critical thinking.

This Course will be offered in alternating school years. If there is enough of an interest, French 12 will be offered in 21/22.

**RECOMMENDED:** French 11 (a letter grade of C is recommended).



## JAPANESE

### JAPANESE 9

**MJA--09**

Japanese 9 is an introduction to the Japanese language and culture. Through a variety of activities, students will develop speaking, listening, reading and writing skills in Japanese. Cross cultural situations, authentic video and written materials, projects, writing in *hiragana* and *katakana* with calligraphy brushes, and other creative works will enrich the student's appreciation of learning this engaging and fun language.

### JAPANESE 10

**MJA--10**

This course is a continuation of Japanese 9 where students build on individual language skills and will develop an improved comprehension of Japanese. New themes will be introduced with more depth and enrichment, particularly in speaking and listening. By the end of the course, students will be fluent, comfortable and confident in reading and writing *hiragana*, *katakana* and some *kanji*.

**RECOMMENDED:** Japanese 9

### INTRODUCTORY JAPANESE 11

**MBJA-11**

Intro Japanese 11 is an intensive Japanese class taught at an accelerated pace that combines in one semester curricula normally covered in Japanese 9 and 10. A good work ethic is required. Students will enjoy learning a new script! They will master hiragana and Katakana and understand the use of Kanji (Chinese characters) in the Japanese writing system. Everyone will be starting a new language. Japan has a rich culture, and frequent cultural activities will enrich students' experiences with studying Japanese.

**This course is not for native speakers.** Students should be in grade 10, 11 or 12.

### JAPANESE 11

**MJA--11**

Students will continue to work on perfecting their performance in the Japanese language. Confidence will come in communication skills and daily conversation. Building on these skills with an emphasis towards mastery, students will become familiar with vocabulary, common expressions, and sentence patterns. Students will begin to show initiative and development in their understanding of the Japanese language and culture. Major projects using *hiragana*, *katakana* and *kanji*, as well as spoken language will enrich students' experiences with studying Japanese.

**RECOMMENDED:** Japanese 10 or Intro Japanese 11

### JAPANESE 12

**MJA--12**

This course will further develop the student's skills in the Japanese language. Project based learning will be the foundation of this course, using authentic Japanese sources to improve language comprehension. More emphasis on writing and conversational Japanese along with rich cultural experiences will be presented in this course. This course is not for native speakers. Native speakers may take Peer Tutoring credit to help in the class. Native speakers are encouraged to take the Greater Vancouver challenge exam to receive credit.

**RECOMMENDED:** Japanese 11



## KOREAN

### INTRODUCTORY KOREAN 11-- NEW!!!

### MIKOR11

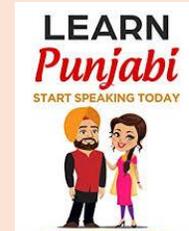
Intro Korean 11 is an **intensive** Korean class taught at an **accelerated pace** that combines in **one** semester the content and curricular competencies normally covered in Korean 9 and 10. A good work ethic is required. Students will enjoy learning a new script! They will master Hangeul, a writing system designed specifically for the Korean language. Korean culture has become more popular than ever with the rise of K-Pop and Korean dramas. Students will learn to speak conversational Korean in addition to learning about Korean culture from past to present. **This course is not for native speakers.** Students should be in grade 10, 11 or 12.

## PUNJABI

### PUNJABI 9

### MPUN-09

Punjabi 9 is an introductory course which focuses on effective communication. Through a variety of activities, speaking, listening, reading and writing, skills will be developed. Students will develop a better understanding of different aspects of the culture.



### PUNJABI 10

### MPUN-10

This course is a continuation of the Punjabi 9 Program. Students will learn to speak about their personal experiences using common language structures. Through role-playing, real-life application and stories, students will become more competent with the recurring themes in this program and will continue to develop their ability to communicate in the target language and improve their comprehension. Students will also learn about Punjabi Canadians and their contributions to Canadian society.

### INTRODUCTORY PUNJABI 11

### MIPUN11

Intro Punjabi 11 is a provincially prescribed curriculum. This **intensive** course is designed to provide students with an equivalent preparation of Punjabi 5 to 10 and is taught in an accelerated manner. Students will acquire linguistic skills to progress to higher levels. Students will develop interpersonal communication through speaking, listening, reading and writing activities. They will respond to and produce creative works, and develop a better understanding of different aspects of Punjabi culture. Students will develop basic skills in listening, speaking, reading and writing.

### PUNJABI 11

### MPUN-11

In Punjabi 11, students will continue to work on perfecting their performance in the four skill areas: listening, speaking, reading and writing. There will be greater emphasis on effective communication through the use of higher level vocabulary in more advanced themes. The course will focus more on the mechanics of the language. Closer attention to agreements with past forms, use of multiple pronouns and more mature composition styles will be emphasized.

**RECOMMENDED:** Introductory Punjabi 11.

### PUNJABI 12

### MPUN-12

This course is an extension of Punjabi 11. Students will continue to build upon the grammar learned in Punjabi 11. There will be a greater emphasis on reading and writing Punjabi through analysis of various authentic documents and other written works. The principles of communication and composition will be taught in greater detail. The student will be able to analyze a literary piece such as a short story, play or poem.

**RECOMMENDED:** Punjabi 11



## SPANISH

### SPANISH 9

MSP--09

Spanish 9 is an introductory course which focuses on effective communication using high-frequency vocabulary and common sentence structures and expressions in past, present and future time frames. Through a variety of activities, speaking, listening, reading and writing skills will be developed. Cultural activities will examine life in the countries of the Spanish-speaking world fostering thinking from others' perspectives and raising social awareness. There is no prerequisite for Spanish 9.

**NOTE:** This course is not intended for students whose first language is Spanish.

### SPANISH 10

MSP--10

Spanish 10 builds on the concepts taught in Spanish 9. The course aims to develop further the student's ability to communicate effectively in Spanish using increasingly complex vocabulary, sentence structures and expressions in past, present and future time frames. This course continues the exploration of the cultures of the Spanish-speaking world fostering thinking from others' perspectives and raising social awareness.

This course continues the exploration of the cultures of the Spanish-speaking world.

**Recommended:** Spanish 9.

**NOTE:** This course is not intended for students whose first language is Spanish.

### INTRODUCTORY SPANISH 11

MBSP-11

Spanish Introductory 11 is an **accelerated course** that combines in one semester curricula normally covered in Spanish 9 and Spanish 10. It aims to develop reading, writing, listening and speaking skills. The emphasis in this program is on effective communication in Spanish in past, present and future time frames. This course is designed to provide the student with awareness and appreciation of Hispanic cultures and traditions fostering thinking from others' perspectives and raising social awareness. This course is **very fast paced**.

**NOTE:** This course is not intended for students whose first language is Spanish. This course is open to students in Grade 10, 11, and 12 only.

### SPANISH 11

MSP--11

This course aims to develop the student's skills in listening, speaking, reading and writing in past, present and future time frames. Students will interact with greater confidence in Spanish. Students will compare, contrast, and respond to creative works and contemporary issues from the Hispanic world fostering thinking from others perspectives and raising social awareness. Successful completion of Spanish 11 may provide the minimum language entrance requirement for some universities.

**NOTE:** This course is not intended for students whose first language is Spanish.

**Recommended:** Intensive Spanish or Spanish 10.

**Native speakers are encouraged to write the challenge exam for Spanish 11 credit.**

### SPANISH 12

MSP--12

This course will further develop the student's skills in listening, speaking, reading and writing in past, present and future time frames. More emphasis will be placed on Hispanic cultures, civilization and literature fostering thinking from others' perspectives and raising social awareness.

**NOTE:** This course is not intended for students whose first language is Spanish.

**Recommended:** Spanish 11.

**Native speakers are encouraged to write the challenge exam for Spanish 12 credit.**



# MATHEMATICS

<https://curriculum.gov.bc.ca/curriculum/mathematics>

## **MATHEMATICS 9**

**MMA--09**

Mathematics 9 is a course designed to prepare students for high school mathematics. Curricular Content includes operations with rational numbers, exponents, operations with polynomials, two-variable linear relations, multi-step one-variable linear relations, graphing, interpolation, extrapolation, spatial proportional reasoning, statistics, and financial literacy. Curricular Competencies (reasoning, problem solving, communicating, connecting and reflecting) are experienced through the content of this course.

**NOTE:** A scientific calculator is required for this course.

## **WORKPLACE MATHEMATICS 10**

**MWPM-10**

Workplace Mathematics 10 is designed to provide students with an introduction to the mathematical understandings and competencies identified for entry into the workforce. Curricular content includes graphing, trigonometric ratios, geometry, measurement, central tendency, experimental probability, and financial literacy. Curricular competencies such as estimating, visualizing, modelling, use of technology and communicating are experienced through the mathematical curricular content.

**NOTE:** A scientific calculator will be required for this course.

**RECOMMENDED:** Successful completion of Mathematics 9.

## **FOUNDATIONS OF MATHEMATICS AND PRE-CALCULUS 10**

**MFMP-10**

Foundations of Mathematics and Pre-Calculus 10 is designed to provide students with the mathematical understandings and competencies identified for entry into post-secondary programs that may or may not require the study of theoretical calculus. Curricular Content includes powers, prime factorization, functions, linear relations and systems, trigonometry, polynomials and financial literacy. Curricular Competencies (reasoning, problem solving, communicating, connecting and reflecting) are experienced through the content of this course.

**NOTE:** A scientific calculator is required for this course.

**RECOMMENDED:** C+ or better in Mathematics 9.

## **MATHEMATICS 10 HONOURS** See page 74

**MFMP-10H**

## **WORKPLACE MATHEMATICS 11**

**MWPM-11**

Workplace Mathematics 11 is designed to provide students with an introduction to the mathematical understandings and competencies identified for entry into the workforce. Curricular content includes financial literacy, rate of change, probability, statistics, graphs, 3D objects, angles, views, and scale diagrams. Curricular competencies such as estimating, visualizing, modelling, use of technology and communicating are experienced through the mathematical curricular content.

**NOTE:** A scientific calculator will be required for this course.

**RECOMMENDED:** Successful completion of Workplace Mathematics 10.

## **FOUNDATIONS OF MATHEMATICS 11**

**MFOM-11**

Foundations of Mathematics 11 is designed to provide students with the mathematical understandings and competencies identified for entry into post-secondary programs that do not require the study of theoretical calculus. Curricular content includes mathematical reasoning, angle relationships, linear inequalities, quadratic functions, systems of equations, optimization, applications of statistics, scale models, and financial literacy. Curricular Competencies (reasoning, problem solving, communicating, connecting and reflecting) are experienced through the content of this course.

**NOTE:** A graphing calculator is required.

**RECOMMENDED:** C+ or better in Foundations of Mathematics and Pre-calculus 10

**FOUNDATIONS OF MATHEMATICS 12****MFOM-12**

Foundations of Mathematics 12 is designed to provide students with the mathematical understandings and competencies identified for entry into post-secondary programs that do not require the study of theoretical calculus. Curricular content includes geometric constructions, conics, fractals, graphical representations of polynomial, logarithmic, exponential, and sinusoidal functions, regression analysis, combinatorics, odds, probability, expected value, and financial planning. Curricular Competencies (reasoning, problem solving, communicating, connecting and reflecting) are experienced through the content of this course.

**NOTE:** A graphing calculator is required.

**RECOMMENDED:** C+ or better in Foundations of Mathematics 11

**APPRENTICESHIP MATHEMATICS 12****MAPPR12**

This course is designed to provide students with the mathematical understandings and competencies identified for entry into the majority of trades. Curricular content includes 2D and 3D geometry, right-angle trigonometry, circle geometry, measurement and financial literacy. Curricular competencies such as estimating, visualizing, modeling, use of technology and communicating are experienced through the mathematical curricular content. **Open to Grade 11 students**

**RECOMMENDED:** Successful completion of Workplace Mathematics 10, Foundations and Pre-calculus Math 10

**PRE-CALCULUS 11****MPREC11**

Pre-Calculus 11 is designed to provide students with the mathematical understandings and competencies identified for entry into post-secondary programs that require the study of theoretical calculus. Curricular Content includes real number system, powers with rational exponents, radical operations and equations, polynomial factoring, rational expressions and equations, quadratic functions and equations, linear and quadratic inequalities, trigonometry, and financial literacy. Curricular Competencies (reasoning, problem solving, communicating, connecting and reflecting) are experienced through the content of this course.

**NOTE:** A scientific calculator is required for this course.

**RECOMMENDED:** C+ or better in Foundations of Mathematics and Pre-calculus 10

**PRE-CALCULUS 12****MPREC12**

Pre-Calculus 12 is designed to provide students with the mathematical understandings and competencies identified for entry into post-secondary programs that require the study of theoretical calculus. Curricular Content includes transformations of functions and relations, exponential functions and equations, geometric sequences and series, logarithms, polynomial functions and equations, rational functions, trigonometric functions, trigonometric equations, and trigonometric identities. Curricular Competencies (reasoning, problem solving, communicating, connecting and reflecting) are experienced through the content of this course. **NOTE:** A scientific calculator is required for this course.

**RECOMMENDED:** C+ or better in Foundations of Mathematics and Pre-Calculus 11

**CALCULUS 12****MCALC12**

Calculus 12 is designed to provide students with a preview of a post-secondary differential calculus course and provide students with the mathematical understandings and competencies identified for entry into post-secondary programs that require the study of theoretical calculus. Curricular content includes functions and graphs, limits and continuity, differentiation and its applications, and integration. Curricular Competencies (reasoning, problem solving, communicating, connecting and reflecting) are experienced through the content of this course. Exceptional students may choose to write a calculus challenge exam (from UBC-SFU-UVIC-UNBC) and earn credits for Calculus I at local universities and colleges.

**NOTE:** A scientific calculator is required.

**RECOMMENDED:** Good standing in Pre-calculus 12

# PHYSICAL & HEALTH EDUCATION

<https://curriculum.gov.bc.ca/curriculum/physical-health-education>

## PHYSICAL & HEALTH EDUCATION

### PHYSICAL & HEALTH EDUCATION 9

**MPHE-09**

The concepts taught in Physical Education 9 include: active living, wellness, fitness, lifetime/leisure activities, with an emphasis upon full participation in the following activities: badminton, basketball, mini games unit/minor games, rugby, skating, soccer, softball, track and field, touch football, volleyball (indoor/outdoor), drug & alcohol, and family life education.

### PHYSICAL & HEALTH EDUCATION 10

**MPHED10**

The concepts taught in Physical Education 10 include: active living, wellness, fitness, lifetime/leisure activities, with an emphasis upon full participation in the following activities: badminton, golf/Frisbee, mini games unit/minor games, mini leisure unit, personal fitness programs/weight training, skating, soccer, speedball, basketball, team handball, track and field, touch football, volleyball (indoor/outdoor) and Advanced Coronary Training (ACT).

### ACTIVE LIVING 11

**MACLV11**

This course helps to develop skills and attitudes necessary for lifetime participation in leisure activities and fitness. Physical Education 11 is a hands-on experiential endeavor. Major emphasis is on leadership, Fitness, Games, with a major emphasis on participation

### ACTIVE LIVING 11/12 (ALTERNATIVE)

**MACLV11A**

**Active Living Alternative 11/12** will provide students with the opportunity to discover ways to achieve overall health and well-being that fits them, outside of the traditional sports setting. Students will learn about ways to participate more regularly in physical activity through a variety of exciting, fun and engaging activities such as self-defence, Zumba, yoga, cardio kickboxing, and other forms of personal and group fitness. Students will also obtain the necessary education around nutrition and injury prevention, in order to sustain an ongoing healthy lifestyle.

### ACTIVE LIVING 12

**MACLV12**

This course helps to develop skills and attitudes necessary for lifetime participation in leisure activities and fitness. Physical Education 12 is a hands-on experiential endeavor. Major emphasis includes: leadership, fitness, group activities, games, All activities are inclusive

### BASKETBALL SKILLS 9-12

**MPHE-09BB / YLRA-OABB/ YLRA-1ABB / YLRA-2BBB**

The NWSS Basketball Course is designed to engage and educate student athletes in Grades 9-12 about the sport of basketball. The class will focus on the technical skills of basketball, as well as the strategies and tactics of the game. Student athletes will learn the rules of FIBA and how to apply them in game situations. The NWSS Basketball course will follow the Canadian Basketball Developmental Model and the Canadian Long Term Athlete Developmental Model Train to Compete Phase, ages 15-18. Focus will be on the four faces of the basketball pyramid (Basketball Skills, Fitness, Mental Skills and Life Skills), as developed by

Basketball Canada. Video tutorials, coaching strategies, skill development drills, injury prevention and rehabilitation exercises, coaching conferences and guest speakers, will be utilized throughout the course by use of Google Classroom. Nutrition, principles of weight training, and sports psychology will also be included. Student athletes will have the opportunity to biometrically analyze their own basketball skills by video recording.

### **FITNESS & CONDITIONING 11 & 12**

**MFTCD11 / MFTCD12**

This course will focus on four *Big Ideas*: 1. Our personal fitness can be maintained or enhanced through participation in a variety of activities at different intensity levels. 2. Knowing how our bodies move and function helps us stay safe during exercise. 3. Following proper training guidelines and techniques can help us reach our health and fitness goals. 4. Making healthy choices can help us reach our health and fitness goals. Students will be expected to demonstrate proficiency in the following *Curricular Competencies*: Healthy and active living; Human anatomy and physiology; Principles of training; Social Responsibility.

### **FOOTBALL PROGRAM**

#### **09FB-Z, YLRA-0AFB-Z, YLRA-1A4B-Z, YLRA-2BFB-Z**

(Integrated Football Education Program)-This course is designed to focus and encourage grade 9 through 12 student athletes' opportunities for individualized learning so they may identify and develop personal learning, as well as leadership and physical skills.

The football program runs during the Z block (after school) and involves participating on the Hyacks Football team and in the off-season program, which runs the length of the school year.

The Hyacks Football Program has produced 35 Canadian university graduates and 8 NCAA graduates as well as having 6 players move onto the CFL.

## **ACADEMIES**



### **LACROSSE PROGRAM**

#### **09LA-Z1, YLRA-0ALA-Z1, YLRA-1ALA-Z2, YLRA-2BLA-Z1**

As Canada's national sport, the NWSS lacrosse program offers male and female athletes with the opportunity to experience the challenges and rewards of this exciting sport. Players of all skill levels will learn how to maximize their training while practicing and competing. Components consist of: on field skill development training, off field strength and conditioning, tactical and endurance training, sports psychology and nutrition.

### **VOLLEYBALL SKILLS 10**

**YLRA-0C**

This course is designed to focus and encourage grade 9/10 students opportunities for individualized learning so they may identify and develop personal learning, as well as leadership and physical skills. The course is run during the Z block (before school). Foundational skills, tactics and techniques for volleyball will be developed throughout the course. This is an ideal course for those students interested in the game of volleyball and are thinking of pursuing playing volleyball for the school and at the club level. There is no experience necessary to participate in this course.

### **VOLLEYBALL SKILLS 12-**

**YLRA-2C**

This course is designed to focus and encourage grade 11/12 students opportunities for individualized learning so they may identify and develop personal learning, as well as leadership and physical skills. The course is run during the Z block (before school). Foundational and advanced skills, tactics and techniques for volleyball will be developed throughout the course. This is an ideal course for those students interested in the game of volleyball and are thinking of pursuing playing volleyball for the school and at the club level. It is preferable that students have taken Volleyball Skills 10 prior to this course, but not a necessity.

# SCIENCE

<https://curriculum.gov.bc.ca/curriculum/science>

## **ANATOMY & PHYSIOLOGY 12**

## **MATPH12**

Anatomy & Physiology 12 is an academic course for students who are planning to continue their education in a post- secondary Science or Health Science. The focus of Anatomy & Physiology 12 is quite different from that of Life Sciences 11. Life Sciences 11 is a general "survey" course, whereas Anatomy & Physiology 12 has three main topic areas: cell biology and biochemistry, cell processes and applications, and an extensive section on human physiology and anatomy.

A final exam will be written at the end of the course accounting for 30% of the final grade where the remaining 70% of the final grade is derived from class tests and lab assignments.

**RECOMMENDED PREREQUISITE:** Life Sciences 11

## **CHEMISTRY 11**

## **MCH--11**

Chemistry, the study of nonliving matter, deals with the structure and interaction of matter at the atomic and molecular levels. Topics include: introduction to chemistry, atoms, molecules and ions, mole concept, chemical reactions, atomic theory, solution chemistry and organic chemistry.

**RECOMMENDED PREREQUISITE:** Science 10, Math 10

## **CHEMISTRY 12**

## **MCH—12**

The Chemistry 12 course is a prerequisite class for several post-secondary programs in the science faculty. It is a continuation of Chemistry 11 and it involves the study of the different aspects of chemical reactions: the rates of chemical reactions, equilibrium within chemical reactions, the solubility of saturated solutions, acid base theory, and electrochemistry. Laboratory work supports the chemical theory studied. A final examination accounting for roughly 20% will be written at the end of the semester where the remaining 80% of the final grade is derived from class tests and lab assignments.

**RECOMMENDED PREREQUISITE:** Chemistry 11 (at least a "B" standing), Foundation of Mathematics 11 or Pre-Calculus 11

## **EARTH SCIENCES 11**

## **MESC-11**

Earth Science 11 is for students interested in studying the Earth, its processes and its place in the universe. This course includes units in Astronomy, Geology, Meteorology and Oceanography. Topics include space exploration, the moon, plate tectonics, earthquakes, volcanoes, rocks and minerals, weather and the sea floor. Evaluation is based on many chapter tests and quizzes, labs and assignments completed in class, a lab exam and a term project.

**RECOMMENDED:** Science 10 and Math 10 with a minimum 60% average in both are recommended.

## **ENVIRONMENTAL SCIENCES 12-**

## **MEVSC12**

Environmental Sciences 12 examines how human activity impacts global climate and water quality. Sustainable land use and living sustainably are other areas of study. For a complete list of curricular content, please refer to BC's new curriculum website.

**GEOLOGY 12**

Geology 12 continues the Geology section of the Earth Science 11 course. Topics include rocks and minerals, fossils and geologic time, resources, erosion and weathering, earthquakes, volcanoes and plate tectonics. Students have the opportunity to take part in an overnight field trip to Mount St. Helens in Late May or early June. Student evaluation includes many tests and quizzes based on in class labs and assignments as well as a lab exam and final test.

**RECOMMENDED:** Recommended Earth Science 11 or another grade 11 science in which a C standing or better was achieved.

**MGEOL12****LABORATORY TECHNOLOGY 12****YED—2A**

**New! Subject to Board Approval. Space in limited and acceptance is based on teacher recommendation**

This course is designed for students who are interested in learning more about the techniques involved in preparing, organizing and maintaining laboratory equipment to support science lab activities. Students enrolled in this course will gain real-world experience and learn a variety of lab techniques in a hands-on environment. Students will be directed by a Chemistry teacher and will work alongside other Science teachers, supporting a variety of lab scenarios, grade levels and subject areas including Biology, Chemistry, Earth Science, and Physics. Students will also gain leadership experience, working with science students as they carry out a variety of lab activities.

**RECOMMENDED PREREQUISITE:** Chemistry 11, at least ONE other Science 11 both with a minimum of “B” standing, and two recommendations from Science teachers at NWSS. If there are more applicants than positions available, students will undergo an interview process.

**LIFE SCIENCES 11****MLFSC11**

Life Sciences 11 takes the student on a tour of living organisms by studying topics such as: evolution, microbiology, botany, animal biology, and ecology.

**RECOMMENDED PREREQUISITE:** Science 10

**PHYSICS 11****MPH--11**

Physics 11 course content covers the following: Physics: introduction, error analysis, math, review; wave motion and geometrical optics; kinematics; graphs of motion, displacement, velocity and acceleration in one dimension, work and energy, special relativity, nuclear fission and fusion.

**Recommended:** Science 10 and Math 10. Recommend at least a "B" standing in both.

**PHYSICS 12****MPH--12**

Physics 12 delves into certain Physics 11 topics with greater depth and introduces new topics such as: equilibrium (physical), circular motion, gravitation, electrostatics, electric circuits, and electromagnetism. A final examination will be written at the end of the semester which accounts for 30% of the final letter grade. The remaining 70% is determined by scores on classroom tests and laboratory assignments.

**Recommended:** Students taking this course should have achieved a grade of B or higher in both Physics 11 and Math 11.

**SCIENCE 9****MSC--09**

Science 9 continues to develop the critical thinking skills, knowledge, and communication skills introduced in Science 8.

Topics include: Processes of Science; Life Science (reproduction); Earth & Space Science (space exploration); and Physical Science (elements, compounds and the characteristics of electricity).

**SCIENCE 10**

Science 10 continues with the concepts and theories introduced in Science 9. Topics covered in the course include Genetics (heredity, DNA, natural selection and evolution), Chemistry (atomic theory, compounds and chemical reactions), Physics (radiation, potential and kinetic energy) and Astronomy (the Big Bang).

**MSC--10**

**SCIENCE 10 HONOURS** See page 74

**MSC--10H****SCIENCE FOR CITIZENS 11**

Science for Citizens 11 examines how scientific processes and knowledge inform our decisions and impact our daily lives. Students will also look at how scientific knowledge and understanding applies in the workplace and how it enables humans to respond and adapt to changes locally and globally.

**MSCCT11**

# SOCIAL STUDIES

<https://curriculum.gov.bc.ca/curriculum/social-studies>

## **20th CENTURY WORLD HISTORY 12**

**MWH—12**

In this course, students will have the opportunity to explore some of the most significant events of the 20<sup>th</sup> century. Topics of study include: the Peace Settlements after World War I, the Russian Revolution, the rise and rule of dictators (Mao, Hitler, Stalin, Mussolini), civil wars, (Russia, China) World War II, the Cold War, the end of colonial empires, human rights and social and cultural developments throughout the century. The course provides a setting in which students can further develop their understanding of why past events took place as well as gain an understanding of the impacts past events have on the world today. Students will continue to develop the skills of a historian including how to evaluate the reliability of evidence, how to formulate clear and sound arguments and how to develop historical empathy.

## **ASIAN STUDIES 12 (1850 – PRESENT)**

**MASIA12**

The breadth and diversity of Asia's physical and human resources have contributed to the development of distinct and disparate political, cultural, and economic regions in the late 20<sup>th</sup> century. This course examines how colonialism, imperialism, and resource disparity have been the primary reasons for conflict and movement of peoples in Asia. The course also focuses on how ethnic, regional, and national identities have been shaped in part by geography and migration. Students will understand how rapid industrialization, urbanization, and economic growth in Asia in the late 20<sup>th</sup> century have created complex environmental challenges.

## **BC FIRST PEOPLES 12**

**MBCFP12**

The identities, worldviews, and languages of B.C. First Peoples are renewed, sustained, and transformed through their connection to the land. BC First Peoples 12 examines how the impact of contact and colonialism continues to affect the political, social, and economic lives of B.C. First Peoples. Students will also learn how cultural expressions convey the richness, diversity, and resiliency of B.C. First Peoples. Through self-governance, leadership, and self-determination, B.C. First Peoples challenge and resist Canada's ongoing colonialism.

## **COMPARATIVE CULTURES 12**

**MCMCL12**

Understanding the diversity and complexity of cultural expressions in one culture enhances our understanding of other cultures. Comparative Cultures 12 examines how interactions between belief systems, social organization, and languages influence artistic expressions of culture. Students also explore how geographic and environmental factors influenced the development of agriculture, trade, and increasingly complex cultures. Students will begin to understand how value systems and belief systems shape the structures of power and authority within a culture

## **EXPLORATIONS in SOCIAL STUDIES 11**

**MEPSS11**

Students will examine contemporary issues at a local, national and international levels. Explorations 11 will explore four major themes: Cultures and Identities; Colonialism and Imperialism; Economy and Ecology; and Roles and Responsibilities in a globalized world. Students will investigate a combination of historical and contemporary sources in order to further develop their historical and critical thinking skills.

## **GENOCIDE STUDIES 12**

**MGENO12**

The intentional destruction of peoples and their cultures is not inevitable, and such attempts can be disrupted and resisted. Students in Genocide Studies 12 will study the definition of "genocide" and

understand how it is used to describe atrocities that have political, legal, social, and cultural ramifications. Students will examine how, despite international commitments to prohibit genocide, violence targeted against groups of people has continued to challenge global peace and prosperity. While genocides are caused by and carried out for different reasons, all genocides share similarities in progression and scope. In addition, students will examine the theoretical frameworks and perspectives of genocide scholars and apply those to various historical events and case studies.

### **HUMAN GEOGRAPHY 12**

**MHGE012**

Students will focus on human activities and how they alter landscapes in a variety of ways. We will also analyze data from a variety of sources to allow students to better understand their globally connected world. Another aspect of study will be demographic patterns and population distribution and how they are influenced by physical features and natural resources. Relationships between cultural traits, the use of physical space, and impacts on the environment, including First Peoples cultures will also be studied.

### **LAW STUDIES 12**

**MLST-12**

Understanding legal rights and responsibilities allows citizens to participate more fully in society. Laws can maintain the status quo and can also be a force for change. A society's laws and legal framework affect many aspects of people's daily lives. Laws are interpreted, and these interpretations may evolve over time as a society's values and worldviews change.

### **PHILOSOPHY 12**

**MPHIL12**

This course will address some of the main areas of philosophy: metaphysics, logic, epistemology, ethics, social and political philosophy, and aesthetics. Students will learn critical thinking skills, the main ideas expressed by philosophers from a variety of the world's traditions, how to develop and explain their own philosophical ideas, and how to apply those ideas, and how to apply those ideas to contemporary social issues and personal experiences. The course will also help students refine skills used in researching and investigating topics in philosophy.

### **PHYSICAL GEOGRAPHY**

**MPGEO12**

The study of physical geography requires students to incorporate data from a variety of sources; this allows us to better understand our globally connected world. This course examines natural processes and how they have an impact on the landscape and human settlement. Students will also study how interactions between human activities and the atmosphere affect local and global weather and climate.

### **POLITICAL STUDIES 12**

**MPLST12**

In this course, students will focus on understanding how political decisions are made, what it means to be an informed and engaged citizen, and how political institutions and ideology shape both the exercise of power and the nature of political outcomes as well as how decision making in a democratic system of government is influenced by the distribution of political and social power.

### **SOCIAL JUSTICE 12**

**MSJ--12**

What is 'social justice'? Simply, it is the expectation that the basic human rights of all people are upheld. In Social Justice 12, students will explore a variety of interconnected issues of oppression and injustice which impact basic human rights. The course looks at social justice issues in a Canadian and global context. We will analyze both the causes and consequences of injustice and explore how social justice initiatives can transform individuals and systems.

**SOCIAL STUDIES 9****MSS--09**

Themes of revolution, imperialism, nationalism, and colonialism will be studied within the time period of 1750-1919. Canada's physical geography will also be studied. Students will develop their inquiry, document analysis, and oral/written communication skills. Students will be interpreting evidence, assessing continuity and change, considering perspective, understanding cause and consequence, and making ethical judgments of various events within the given time period.

**SOCIAL STUDIES 10****MSS--10**

This course is a continuation of the skills learned in SS 9. The focus is on Canada and the World since 1919. Students will tackle global and regional conflicts and its shaping of Canadian identity. In addition, the development of political institutions will be studied with the focus on economic, social, ideological, and geographic factors. Global issues such as: population growth, urbanization, environmental concerns, standards of living and human rights, will also be studied.

**SOCIAL STUDIES 10 HONOURS** See page 74**MSS--10H**

# TECHNOLOGY EDUCATION (ADST)

<https://curriculum.gov.bc.ca/curriculum/adst>

## RESEARCH IN MOTION 9

**XLDCA09**

Students will be introduced to: **research methods** (Internet, Library), networked computer file systems, various presentation media (World Wide Web, PowerPoint, computer graphics), and computer tools for learning and study (word processing and spreadsheets). The course is highly recommended for students wishing to apply to the **IB Program**, or intending to apply to **university** in the future.

All instruction is on the Windows 9X operating system. No previous computer experience is necessary.

**Note: Open to all Grade 9 and 10 students.**

Please see **Honours Courses** page 74 for other accelerated courses that offer further challenge.

## TECHNOLOGY EDUCATION 9 ROTATIONS

This is an excellent course for students who enjoy hands on learning. It is a program that explores four different areas; Woodwork, Metalwork, Drafting and Electronics/Robotics. Students are exposed to these areas in a rotation. Safety and Design thinking is emphasized in all areas. This is an introductory course that allows students to explore the different areas helping them to discover where their passion and talent is. The program is designed to be fun and engaging while allowing students to learn about subject areas that they can take specialized classes in higher grades.

**Woodworking** - students are introduced to the basics of using hand and power tools to design and build different wood projects. Basic use of machines is explored as students create projects. Students learn to use a computer controlled router that allows them to personalize their projects with text engraved on surfaces. Safety is a priority in this class.

**Metalwork** – students learn to use different hand and power tools to create projects out of metal. Safety is emphasized as students explore different processes. Lathes, foundry work, and brazing are some processes that students use to make small introductory projects.

**Drafting** – Students are introduced to using AutoCad. This is a software program that is used Industry wide in Architecture and Design firms. Students use 3D printers to manufacture a small project. They also design logos where they use a Vinyl cutter to manufacture their own personalized stickers. Students are also introduced to a Laser Cutter which is widely used in the higher drafting levels.

**Electronics/Engineering/Robotics** – This is an introductory engineering unit focusing on the Engineering, Design Process, Robotics and Electronics. Students learn about basic electricity, electronic components and their functions. Robotics is explored using VEX IQ robotics platform. Students build and then program robots in pairs and then compete in a Battle Royale.

## WOODWORK:

### WOODWORK 10

MWWK-10

Wood Technology is an introductory course in which students will learn their basic woodworking skills. This course is a hands-on course involving the use of wood and wood composites. The safe use of all machines are demonstrated and students must pass a competency test before using each. Students will design and create a variety of teacher and student selected projects. Students will become familiar with the safe use of tools and machinery while developing skills in problem solving, joinery, and time management as per industry standards.

### WOODWORK 11

MCJ--11

This course is a level 1 woodworking course intended to build upon skills learned in Technology 10 Woodwork. Students will build teacher selected projects using hand and power tools. The major areas of learning will be in Joinery, assembly drawings, finishing, hand tool maintenance, and the safe and proper use of power tools.

There will also be a self-directed component to this course involving a student selected project.

### WOODWORK 12

MCJ--12

This is a senior woodworking class and a continuation of Woodworking 11. Students will continue developing their use of the design process, building projects of their choice with a high degree of complexity. The course is designed for students with above average woodworking skills or those considering a career in cabinet making. **RECOMMENDED:** Woodwork 11 **A fee may be charged for materials used in this course.**

### FURNITURE AND CABINETRY 12

MTFAC12

This is a senior woodworking class with a focus on using the design process to create furniture and projects that incorporate a high level of structural joints, aesthetics and functionality. The course is designed for students with above average woodworking skills or those considering a career in cabinet making. **RECOMMENDED:** Woodwork 11 and/or Woodworking 12. **A fee may be charged for materials for this course.**

## DRAFTING / ARCHITECTURE & INDUSTRIAL DESIGN

### DRAFTING 10

MTDRF10

In this course students will Invent, Design, Create, Construct, Make and Build using 3D printers, Computerized Machines, Laser and Vinyl cutters. You will experience and produce individual projects while operating with the most current software. This level one course covers some of the following topics: House Design, Interior Design and Industrial Design.

### DRAFTING 11

MTDRF11

(Architectural, Engineering & Interior Design/3D Printing). In this course students will build on the skills and learning from Drafting 10 by further exploring design thinking, creating, constructing, making and building using 3D printers, Computerized Machines, Laser and Vinyl cutters. You will experience and produce individual projects while operating with the most current software. This level one course covers some of the following topics: House Design, Interior Design, Industrial Design.

### DRAFTING 12

MTDRF12

(Architectural, Engineering & Interior Design/3D Printing). This is level 2 drafting course. You will explore; three dimensional models and animations using Autodesk software and 3D programs. Students will work on solid modeling, rendering, and importing images. Students may focus on a specific area; architecture, mechanical drafting, furniture design, modeling, animation, interior design, landscape design, etc. This course will be mainly project based. CNC Student driven research into target subjects is also studied. (Laser cutter and 3D printer machines limits and process will also be explored will also be used in this course.

**RECOMMENDED:** ADST 10/11: Drafting and/or Drafting and Design 10 or 11.

# ELECTRONICS, ENGINEERING AND ROBOTICS

## ELECTRONICS & ROBOTICS 10

## MTEAR10

This is an introductory engineering course focusing on robotics, introduction to coding and electronics. The main objective of this course is to design and create circuits, devices and robots to solve various problem statements. Hand and power tools will be used to manufacture projects using a variety of materials. The course is based around two main projects. First a mechatronic project using a VEX-EDR Platform, then an Arduino based project.

## ELECTRONICS 11

## MTELE11

This is an introductory engineering course focusing on the Engineering Design Process using electronics. While the main objective of this course is to design, utilize controller and relays that can be used to solve various problem statements. Electronic theory is further explored. Symbols, multi-meters, simple and complex circuits are incorporated. Hand and power tools will be used to manufacture projects using a variety of materials. Projects may include simple and complex machines, programmable electronics (ARDUINO or RASPBERRY PI's)

## ELECTRONICS 12

## MTELE12

This course builds upon the skills and learning from Electronics 11. Further learning based on simple and complex circuits, analog and digital controller, problem solving electronic function are developed to a high level. Arduino and Raspberry PI controllers are incorporated in different applications. Self directed projects are used to enhance student engagement and learning within the constraints of the classroom resources available.

## ENGINEERING 11

## MENR-11

This course builds upon knowledge from Electronics & Robotics 10. It begins to explore *Design Thinking* and uses design processes where defining of a problem, ideating, prototyping, testing and building of solutions are included. Solutions could include Electronic (Arduino or circuit) controllers, robotic and or 3D printed solutions. Product development and manufacturing processes in mainstream use are also discussed and explored.

## ENGINEERING 12

## MENR-12

This is a course that builds upon the introduction of *Design Thinking* from Engineering 11. Further exploration of problem-solving using ideating, prototyping, testing and building of solutions. Greater use of user-centered research is incorporated. Design solutions might include manufactured solution including wood, metals, 3D printed parts, electronic controllers including, but not limited to, Aduino or Rasperry PI controllers. Self directed projects of the learner's choice can also be considered within the constraints of classroom machines available.

## ROBOTICS 11

## MTROB11

This class incorporates the VEX Robotic platform. Different challenges will be presented to the class and students will use the design process to find solutions to the challenge problems. This is a hands on interactive class with students working in pairs on their robotics kits. Students continue to build on the processes learned in ELECTRONICS & ROBOTICS 10

**RECOMMENDED:** ELECTRONICS & ROBOTICS 10 is recommended as a prerequisite.

## ROBOTICS 12

## MTROB12

This class incorporates the VEX Robotic system and other current robotics programming platforms. This level allows for more self directed projects depending on the interest of the student. Complex systems and problems are presented allowing for students to continue using the design process exploring different solutions to problems. This is a hands-on, interactive class with students working singularly or in pairs on their robotics platforms. Students continue to build on the processes learned in Robotics and Engineering 11.

**RECOMMENDED:** Robotics and Engineering 11 as a prerequisite. **Open to Grade 11 students**

## METALWORK

### ART JEWELRY 10

MTMET10J

In this introductory Jewelry course, students will be introduced to the fundamental techniques used in producing constructed and cast jewelry. Basic skills will be taught such as cutting, filing and polishing metals and the use of jeweler's tools. Students will be designing and producing unique metal art and jewelry using techniques such as wire and bead, sheet metal jewelry, copper enameling, silver soldering, cuttlebone casting, glass bead making to make different styles of earrings, bracelets and pendants. Open to Grade 9 & 10 students.

### ART METAL AND JEWELRY 12

MMFM-12J

This course is open to all grades 10, 11, and 12 students. In this program students will be introduced to the fundamental techniques used in producing constructed and cast jewelry. Basic skills will be learned such as cutting, filing and polishing metals and the use of jeweler's tools. The design process will be an important component to the course.

All ideas, sketches and drawings will be documented in a design sketchbook. Students will be designing and producing unique metal art and jewelry using techniques such as wire and bead, copper enameling and cuttlebone casting. Students will also integrate the use of recycled materials to address important environmental issues in our society.

### METALWORK 10

MTMET10

This course offers a full semester of metalwork covering basic metal skills such as cutting, filing, sanding, and buffing of metal for the hand tool projects. Students will then learn how to turn metal on the lathes, as well as how to use oxyacetylene gas, arc and MIG welds. Students will also learn how to use the plasma cutter, the forge and the kiln. Precision measurement, as well as tool application will be explored. Once the basic projects are completed, students will have opportunities to choose from a variety of projects including items such as Art Metal Jewelry, blacksmithing, go-karts and bike maintenance within the ability of the student and the constraints of the classroom materials and machinery.

### METALWORK 11

MTMET11

Metalwork 11 is open to students in grade 11 & 12. Participants will further develop the basic metalwork skills learned in Technology 10: Metal Work including Arc and MIG welding. Precision measurement and the function and limitation of metals, machinery and tools is explored. Heat treatment and process are introduced; alloys and their abilities are discussed. Students will have opportunities to choose from a variety of personal projects with some involved in larger projects such as personal electric scooters, chopper bikes, or electric and gas powered vehicles.

**RECOMMENDED:** Metalwork 10 recommended

### METALWORK12

MTMET12

The course is open to students in grades 10 – 12. Basic metal skills taught in the previous grades will be further developed including the introduction to the fundamental techniques of aluminum welding and the Milling Machine. Design methods, prototyping, precision measurement, fabrication methods and the incorporation of wood products in designs is also included. Casting parts and forging metals are introduced and explored using design and project prototyping, There will also be a self-directed component to this course involving a major project of the student's choice within their abilities and the materials and machine constraints within the shop.

**RECOMMENDED:** Metalwork 11

## **MACHINING & WELDING**

**MTMAW12**

This course focuses on machining and welding processes and techniques in industry. Learning includes measurement, documentation, and use of computer-aided design and manufacturing equipment. Students also explore career opportunities in this field and interpersonal related to client interactions. All ideas, sketches and drawings will be documented in a design sketchbook which will be developed into a portfolio for future use. Students will develop their skills in designing, producing different projects using high level welding and machining skills. In this program, students can also hone their repair and maintenance skills, and also be introduced to the building of a custom bike frame in a bike unit. **This course is open to Grade 10 & 11 students.**

**RECOMMENDED:** Metalwork 11

# VISUAL AND PERFORMING ARTS

<https://curriculum.gov.bc.ca/curriculum/arts-education>

## PERFORMING ARTS

### DANCE

#### DANCE 9

MDNC-09

Students who take this course will experience the opportunity to explore expression, connection, identity and artistry through a variety of dance genres. Students will participate in activities that facilitate improvement of dance technique, teamwork skills, communication skills and performance skills while learning and creating dance choreography. Evaluation is based on personal and social skills development through participation, improvement of dance technique through performing dance choreography, a major project, and other written reflections. \*Dance shoes are required and can be purchased through the teacher.

#### DANCE TECHNIQUE AND PERFORMANCE 10

MDNTP10

Students who take this course will experience the opportunity to explore expression, connection, identity and artistry through a variety of dance genres. Students will participate in activities that facilitate improvement of dance technique, teamwork skills, communication skills and performance skills while learning and creating dance choreography. Evaluation is based on personal and social skills development through participation, improvement of dance technique through performing dance choreography, a major project, and other written reflections. \*Dance shoes are required and can be purchased through the teacher.

#### DANCE TECHNIQUE AND PERFORMANCE 11

MDNTP11

Students who take this course will experience the opportunity to explore expression, connection, identity and artistry through a variety of dance genres. Students will participate in activities that facilitate improvement of dance technique, teamwork skills, communication skills and performance skills while learning and creating dance choreography and delving into specialization of dance styles and genres. Evaluation is based on personal and social skills development through participation, improvement of dance technique through performing dance choreography, a major project, and other written reflections. \*Dance shoes are required and can be purchased through the teacher.

#### DANCE CONDITIONING 11

MDNCN11

This is a non-performance class designed for students of all skill levels to explore fitness through dance. Students will study the fundamentals of flexibility, coordination, basic nutrition, strength, and endurance training and apply these concepts to a wide variety of dance styles including Ballet, Jazz, Locking, Hip Hop, House, etc. Students will learn the necessary assessment tools to determine their personal fitness level and develop individual plans to achieve a healthy lifestyle.

#### DANCE TECHNIQUE AND PERFORMANCE 12

MDNTP12

Students who take this course will experience the opportunity to explore expression, connection, identity and artistry through a variety of dance genres. Students will participate in activities that facilitate improvement of dance technique, teamwork skills, communication skills and performance skills while learning and creating dance choreography. Evaluation is based on personal and social skills development through participation, improvement of dance technique through performing dance choreography, a major project, and other written reflections. \*Dance shoes are required and can be purchased through the teacher.

## **DANCE CONDITIONING 12**

**MDNCN12**

This is a non-performance class designed for students of all skill levels to explore fitness through dance. Students will study the fundamentals of flexibility, coordination, basic nutrition, strength, and endurance training and apply these concepts to a wide variety of dance styles including Ballet, Jazz, Locking, Hip Hop, House, etc. Students will learn the necessary assessment tools to determine their personal fitness level and develop individual plans to achieve a healthy lifestyle.

## **DRAMA**

### **DRAMA 9**

**MDR--09**

Drama 9 presents a more advanced level of developmental drama through the continuation of the "theatre games" approach centered around imagination, inquiry, experimentation and purposeful play. Students will explore process, materials, movement, technologies, tools and techniques of the arts through drama and theatre, and use these to explore, create and communicate. Students will be introduced to scripted plays and class scene productions, including rudimentary elements of blocking. There could be opportunities to see outside theatrical productions and participate in school performances. Evaluation is based on participation and development throughout the year supplemented with some written assignments. Drama 8 is strongly recommended.

### **DRAMA 10**

**MDRM-10**

Drama 10 will explore how to communicate ideas, emotions and perspectives through acting and theatre. This is a highly collaborative class where students will work together using critical reflection, creation co-operation and the exchange of ideas to explore themes and ideas. This course also includes script analysis, scene production and theatre background. Students are encouraged to perform outside of class and to attend local productions. Evaluation is based on participation and development throughout the year supplemented with some written assignments. Drama 9 is strongly recommended.

### **THEATRE COMPANY 11/12 (ADVANCED)**

**MDRTC11/ MDRTC12**

This class will produce at least one larger work for stage to be performed for an audience in a highly collaborative manner. In this process, students will learn about the interconnected roles and responsibilities within a theatre company, stage etiquette and basic elements of theatre and acting. Strategies and techniques to support creative processes will be employed to investigate movement, sound and image which forms an ability to convey meaning in drama. Past examples of productions include Remembrance Day, Rock Solid and N-Dubs Got Drama. **Students enrolled in theatre company 11 must have at least 2 years experience in drama.** Those with less experience should enroll in Drama 11/12:

### **DRAMA 11/12 (INTRO)**

**MDRM-11/MDRM-12**

Drama 11/12 is an introduction to theatre arts. Students will explore collective expression, cultural expression, identity, belonging and aesthetic understanding in a collaborative environment through theatre and drama. Some topics studied are: script analysis, scene production, acting and production techniques, play reviews, improvisation, and practical acting work. There will be some written assignments. Production assignments will require some extra-curricular time. This is recommended for students with under 2 years experience in drama classes.

### **MUSICAL THEATRE 10/11/12: FOUNDATIONS**

**MMUTH10/MMUTH11/MMUTH12**

This course is for students wishing to build a foundation in the three elements of Musical Theatre: acting, dance and singing. Students will learn a variety of audition, rehearsal and performance techniques specific to the musical theatre disciplines of drama, music and dance. Musical theatre styles, elements, principles, techniques, and vocabulary will be investigated. Students will work in highly collaborative situations to

investigate the role of performers, crew and audiences in a variety of contexts. This class does not produce a large-scale musical, but performances from the Musical Theatre tradition will be part of the course work. This class may be a grade 10/11/12 combined class. This course does not require an audition.

Note: This course is not the full Musical Theatre Program. The full Musical Theatre Program is not being offered in the 2020/2021 year. It will be offered again in 2021/2022.

### **INDEPENDENT STUDIES 10/11/12: HAIR AND MAKEUP FOR THE STAGE**

**MIDS-0AH/ MIDS-1AH/ MIDS-2AH**

In this course, students will explore design and application techniques in hair and makeup for the stage. These skills will be used to develop and create characters for large and small scale theatre spaces. Students will learn techniques such as highlight, shadow, blending and more; and use these skills to develop and create unique makeup looks for the stage. Furthermore, after instructional sessions, students will practice styling hair in different fashions. This will include explorations into styles that are specific to significant time periods. Finally, the students will round-out the learning experience by volunteering to work backstage on school productions. These opportunities will allow them to apply their newly acquired skills in real life situations. Students in the course will be required to: attend after-school classes and workshops, volunteer for some evening productions, and purchase a small number of supplies. This course is scheduled off-timetable as a Z block.

### **DIRECTING AND SCRIPT DEVELOPMENT 11/12**

**MDRDS11/ MDRDS12**

This course will allow students to creatively and practically apply their learning of writing and directing for the stage. We will focus on different styles and structures of delivery as we construct themes, develop plots, and create characters. Time will be spent gathering information about the casting and rehearsal processes as we move towards expanding our understanding of a director's role. Theatrical presentations should make the audience feel something; we will work as playwrights, actors, and directors to bring life to our pieces and evoke meaningful emotions. Students will be required to participate in all aspects of the production process. Students who are interested in this course should have a proficient understanding of English language conventions and should be familiar with the basic principles of acting for the stage. Having an interest in directing, or a desire to learn more about the process, is important.

## MUSIC- CHOIR

### **MUSIC 9: CONCERT CHOIR**

**MMU—09C**

Singing in a choir gives students a chance to explore their identity, investigate culture and history, and collaborate in artistry with others. In this class students will work in community to gain skills in singing and music literacy, and to explore various styles of music. This class is offered on the timetable. Students participate in at least one performance. No previous music or singing experience is necessary.

### **CHORAL MUSIC 10: CONCERT CHOIR**

**MMUCC10**

Singing in a choir gives students a chance to explore their identity, investigate culture and history, and collaborate in artistry with others. In this class students will work in community to gain skills in singing and music literacy, and to explore various styles of music. This class is offered on the timetable. Students participate in at least one performance. No previous music or singing experience is necessary.

### **CHORAL MUSIC 11: CONCERT CHOIR**

**MCMCC11**

Singing in a choir gives students a chance to explore their identity, investigate culture and history, and collaborate in artistry with others. In this class students will work in community to gain skills in singing and music literacy, and to explore various styles of music. This class is offered on the timetable. Students participate in at least one performance. No previous music or singing experience is necessary.

### **CHORAL MUSIC 12: CONCERT CHOIR**

**MCMCC12**

Singing in a choir gives students a chance to explore their identity, investigate culture and history, and collaborate in artistry with others. In this class students will work in community to gain skills in singing and music literacy, and to explore various styles of music. This class is offered on the timetable. Students participate in at least one performance. No previous music or singing experience is necessary.

### **CHORAL MUSIC 10/11/12: CHAMBER CHOIR (Z BLOCK)**

**MMUCH10 / MMUCH11 / MMUCH12**

This is an advanced choral class that focuses on learning and performing classic choral repertoire in a variety of styles to explore identity, culture, belonging and social and emotional well-being. This is for the advanced choral student. Students must have previous choral experience and must demonstrate basic music literacy in an audition. Concurrent registration in a large music ensemble (concert band or concert choir) is recommended. Admission is by audition, with auditions being held late May/early June. Visit [www.nwssmusic.com](http://www.nwssmusic.com) for audition info. Students should register for the course if they intend on participating. Registered students will be contacted by the teacher about an audition time. This class usually participates in a tour in the spring. Past tours have included Cuba (2018), Banff (2017), Ottawa (2017), New Orleans (2016).

### **CHORAL MUSIC 9/10: VOCAL JAZZ (Z BLOCK)**

**MMU—09VJ / MMUVJ10**

This choir focuses pop singing styles and ensemble singing in a vocal jazz style. Students will learn microphone technique and experience singing with a band. Students will learn about the history and traditions of jazz and pop music including developing personal voice and improvisation. This class also explores solo singing and working with a rhythm section (bass, piano, drums and guitar).

### **CHORAL MUSIC 11/12: VOCAL JAZZ (Z BLOCK)**

**MCMJV11 / MCMJV12**

In this class, students explore the idiom of jazz through the ensemble singing. This course is highly participatory and involves at least two extra-curricular performances. Students will learn about the history and traditions of jazz and pop music including developing personal voice improvisation and microphone technique. This class also explores solo singing and working with a rhythm section (bass, piano, drums and guitar). As well, this class develops leadership and community building skills. Students will also have some opportunity to gain solo skills and explore improvisation. This class usually participates in a tour in the spring. Past tours have included Cuba (2018), Banff (2017), Ottawa (2017), New Orleans (2016).

## INSTRUMENTAL MUSIC- CONCERT BAND

### **MUSIC 9 (CONCERT BAND)**

**MMU—09CB**

Students in this course will further develop instrument techniques learned in Band 8 through rehearsing and performing concert repertoire in a variety of styles. Students will investigate the role of the musician and artist throughout history and explore identity through artistry. This course is highly participatory and involves at least two extra-curricular performances. Generally a performance tour is planned for Band 9. Previous tours include Whistler (2018), Banff (2017), Sun Peaks (2016).

**RECOMMENDED:** Participation in the Middle School Band Program or permission of instructor.

### **INSTRUMENTAL MUSIC 10 (CONCERT BAND)**

**MMUCB10**

Students in this course will further develop instrument techniques learned in Band 9 through rehearsing and performing concert repertoire in a variety of styles. Students will investigate the role of the musician and artist throughout history and explore identity through artistry. This course is highly participatory and involves at least two extra-curricular performances. Generally a performance tour is planned for Band 10. Previous tours include Whistler (2018), Banff (2017), Sun Peaks (2016).

**RECOMMENDED:** Participation in Music 9 Concert Band or permission of instructor.

### **SENIOR CONCERT BAND 11/12**

**MIMCB11 / MIMCB12**

This course is a continuation of Band 10, with a focus on classic, challenging literature. Students will investigate the role of the musician and artist throughout history and explore identity through artistry. This course is highly participatory and involves at least two extra-curricular performances. Generally a performance tour is planned for Senior Concert band, with previous tours including Cuba, New Orleans, New York City and Ottawa/Montreal.

**RECOMMENDED:** Instrumental Music 10 Concert Band or permission of instructor

## INSTRUMENTAL MUSIC - GUITAR

### **GUITAR Grade 9/ Level 1**

**MMU—09G**

This course is offered to students in grades 9 – 12 who are beginners in guitar. Music fundamentals will be systematically taught by focussing on how to play a variety of chords, scales, strumming patterns, finger-style and picking techniques both individually and in groups. Students have the opportunity to learn how to play songs by their favourite artists as well. Through learning repertoire from a wide variety of music styles, students will apply music principles that will provide a solid foundation for future success on the guitar.

### **GUITAR Grade 10/ Level 2**

**MMUGT10**

Guitar Level Two is offered to students in grades 9 through 12 interested in beginning or continuing their guitar studies. Beginners are also welcome, but will be focusing on level one studies (see above). Music fundamentals will be reinforced by focusing on how to play advanced chords, scale shapes, strumming and picking techniques and finger-style. Students in level two will learn to play a wide variety of music and how to apply music principles by learning their own repertoire and writing their own compositions. There will be a focus on playing in small groups and learning how to improvise in group settings. Those with previous experience on the guitar will be able to learn advanced techniques of improvisation in small group settings. This course is offered on timetable during the semester.

### **GUITAR Grade 11/ Level 3**

**MIMG-11**

Guitar Level Three is offered to students in grades 11 through 12 interested in continuing their guitar studies and have taken Guitar Levels One and Two. Beginners are also welcome, but will be focusing on level one studies (see above). Advanced music fundamentals will be approached by focusing on how to construct extended and alternate chords and how to use these with the scale modes. Students in level three will begin to build their own repertoire and make arrangements of songs by learning the process of

transcription and playing by ear. Rhythm studies will become a focus for playing in groups and composing. This course is offered on timetable during the semester

#### **GUITAR Grade 12/ Level 4**

**MIMG-12**

Guitar Level Four is offered to students in Grade 12 interested in continuing their guitar studies and have successfully completed the first three levels. Advanced music principles include how to utilize voicings of extended and alternated chords and how to use these with the scale modes. Students in level four begin building their own repertoire of arrangements of songs by continuing the process of transcription and playing by ear. There will continue to be a focus in playing in groups and a strong emphasis on improvisation. This course is offered on timetable during the semester.

## **INSTRUMENTAL MUSIC- JAZZ BAND**

#### **MUSIC 9 (JAZZ BAND) (Z BLOCK)**

**MMU—09JB**

This class is comprised of trumpets, saxophones, trombones and rhythm section (acoustic/ electric bass, drums, guitar, piano). Students will learn jazz repertoire and focus on learning basic jazz technique and theory, including improvisation. This class will include explorations of the role of music and art in culture, history, identity, aesthetics, understanding and communication. This course is highly participatory and involves at least two extracurricular performances. This group participates in a tour in the spring. This class is scheduled outside the regular timetable.

**RECOMMENDED:** Students should be enrolled concurrently in Music 9 Concert Band or have the instructor's permission.

#### **INSTRUMENTAL MUSIC 10 (JAZZ BAND) (Z BLOCK)**

**MMUJB10**

Students will learn jazz repertoire and focus on learning basic jazz technique and theory, including improvisation. This class will include explorations of the role of music and art in culture, history, identity, aesthetics, understanding and communication. This course is highly participatory and involves at least two extracurricular performances. This group participates in a tour in the spring. This class is scheduled outside the regular timetable.

**RECOMMENDED:** Students should be enrolled concurrently in Instrumental Music 10 (Concert Band) or have the instructor's permission.

#### **INSTRUMENTAL MUSIC 11 (JAZZ BAND) (Z BLOCK)**

**MIMJB11**

Students will learn jazz repertoire and focus on learning basic jazz technique and theory, including improvisation. This class will include explorations of the role of music and art in culture, history, identity, aesthetics, understanding and communication. This course is highly participatory and involves at least two extracurricular performances. This group participates in a tour in the spring. This class is scheduled outside the regular timetable.

**RECOMMENDED:** Students should be enrolled concurrently in Instrumental Music 11 (Concert Band) or have the instructor's permission.

#### **INSTRUMENTAL MUSIC 12 (JAZZ BAND) (Z BLOCK)**

**MIMJB12**

This class is comprised of trumpets, saxophones, trombones and rhythm section (acoustic/ electric bass, drums, guitar, piano). Students will learn jazz repertoire and focus on learning basic jazz technique and theory, including improvisation. This class will include explorations of the role of music and art in culture, history, identity, aesthetics, understanding and communication. This course is highly participatory and involves at least two extracurricular performances. This group participates in a tour in the spring. This class is scheduled outside the regular timetable.

**RECOMMENDED:** Students should be enrolled concurrently in Instrumental Music 12 (Concert Band) or have the instructor's permission.

## INSTRUMENTAL MUSIC - ORCHESTRA

### **MUSIC 9 (ORCHESTRA) (Z BLOCK)**

**MMU—090**

In this course, students will have the opportunity to rehearse and perform on their chosen instrument in a group setting. This full year course includes traditional orchestral string instruments (violin, viola, cello, upright bass).. Advanced music students will be given more challenging repertoire to play in smaller groups. As well, students that would like to begin to learn how to play the violin, viola, cello, or upright bass, but have no formal training will be guided through the first steps of how to set up, hold and play their chosen instrument as well as how to read standard notation.

Students must own or rent an instrument for the duration of the class. Please note that only guitar students that have successfully completed one term of guitar with Mr. Paterson are able to participate in this class unless they have permission from the instructor prior to registration. This class is regularly scheduled 2 days a week after school. Please contact Mr. Paterson at [jpaterson@sd40.bc.ca](mailto:jpaterson@sd40.bc.ca) if you have any questions about this class.

### **INSTRUMENTAL MUSIC 10 (ORCHESTRA) Z**

**MMUOR10**

In this course, students will have the opportunity to rehearse and perform on their chosen instrument in a group setting. This full year course includes traditional orchestral string instruments (violin, viola, cello, upright bass).. Advanced music students will be given more challenging repertoire to play in smaller groups. As well, students that would like to begin to learn how to play the violin, viola, cello, or upright bass, but have no formal training will be guided through the first steps of how to set up, hold and play their chosen instrument as well as how to read standard notation.

Students must own or rent an instrument for the duration of the class. Please note that only guitar students that have successfully completed one term of guitar with Mr. Paterson are able to participate in this class unless they have permission from the instructor prior to registration. This class is regularly scheduled 2 days a week after school. Please contact Mr. Paterson at [jpaterson@sd40.bc.ca](mailto:jpaterson@sd40.bc.ca) if you have any questions about this class.

### **INSTRUMENTAL MUSIC 11/12 (ORCHESTRA) (Z BLOCK)**

**MMUOR11/MMUOR12**

In Strings Ensemble 9, 10, 11 and 12 students will have the opportunity to play a stringed instrument in a group setting. Advanced students will be given more challenging repertoire to play in smaller groups. As well, students that would like to learn violin, viola, cello, or upright bass, but have no formal training will be guided through the first steps of how to hold the instrument, how to setup and use the bow and how to read standard notation. Students must rent an instrument. This class is regularly scheduled 2 days a week after school. Guitar students that have successfully completed Level One guitar with Mr. Paterson are also able to participate in this class.

## MUSIC TECHNOLOGY and PRODUCTION

### **MUSIC COMPOSITION AND PRODUCTION 10/11/12**

**MMUCP11/MMUCP12**

Students learn the basics of music composition fundamental to all styles of Western music, from Classical and Jazz to Rock, Pop, Hip Hop, electronic music, and beyond. Students will create and record music using Logic Pro X, a cutting edge digital audio workstation made by Apple. Students will explore music composition's ability to communicate, reflect time and culture, represent identity, and transform our experience. No prerequisite or prior musical knowledge is necessary.

**Note:** Grade 10 students can enroll in MMUCP11

## VISUAL ARTS

### **ART STUDIO 10**

### **MVAST10**

The BIG IDEA for this course is to explore the many aspects of art, photography and design as it enables your artistic expression and the creative process including: exploring personal identity, diverse perspectives, and the language of visual art. You may be able to try it all: drawing techniques, painting, theatre props and costume, and photography. Get your hands on cool art equipment and technology to learn the art of communicating with visual imagery. A list of specific supplies needed for this course will be provided in the first week of class.

### **ART STUDIO 11/12 (INTRO)**

### **MVAST11/MVAST12**

These intro art courses are for students who have little or no experience in visual arts. This course is perfect for the grade 11/12 student who is interested in starting an art practice, or looking to get experience in the arts for graduation credit requirements. A list of specific supplies needed for this course will be provided in the first week of class.

### **GRAPHIC ARTS 11/12**

### **MVAGA11/ MVAGA12**

Love to design? This course offers you time to discover design and the importance of balance and visual language. This unique art form uses specific technical processes to convey messages to attract and impact audiences. Graphic artists use the power of line, text, colour and image to contribute to culture and reveal insights into our human experience through perseverance, resilience, and artistic risk taking. A list of specific supplies needed for this course will be provided in the first week of class.

### **STUDIO ARTS 2D: PAINTING AND DRAWING 10**

### **MVAD-10**

This course offers time in your day to explore meaningful and unique ways of expressing yourself and discovering your artistic process. You will get your hands on all sorts of cool art supplies and technologies for artistic expression. You will learn to notice how art connects our personal experience to our communities, cultures and histories and you will learn how to talk about your own work and other students' work to build artistic skills and interpretation. Projects in this class will focus on 2D art practices such as painting and drawing. This course is looking at more advanced techniques and as such is best suited to students with experience in drawing and/or painting. Students enrolled in this class should have taken a studio arts class in the last 2 years. A list of specific supplies needed for this course will be provided in the first week of class.

### **STUDIO ARTS 3D: SCULPTURE AND BEYOND 10**

### **MVAC-10**

In this course students explore meaningful and unique ways of expressing and discovering their artistic process. You will get your hands on all sorts of cool art supplies and technologies for artistic expression. You will learn to notice how art connects our personal experience to our communities, cultures and histories and you will learn how to talk about your own work and other students' work to build artistic skills and interpretation. A list of specific supplies needed for this course will be provided in the first week of class. Typical projects may include: sketchbook exploration, drawing and painting techniques, carving, modelling, casting, construction, multimedia, abstraction, realism, architecture or landscape. Students are expected to purchase supplies for the class.

### **STUDIO ART 2D 11/12 (PAINTING AND DRAWING)**

### **MVAD-11/MVAD-12**

This course offers time in your day to explore meaningful and unique ways of expressing yourself and discovering your artistic process. You will get your hands on all sorts of cool art supplies and technologies for artistic expression. You will learn to notice how art connects our personal experience to our

communities, cultures and histories and you will learn how to talk about your own work and other students' work to build artistic skills and interpretation. Projects in this class will focus on 2D art practices such as painting and drawing. This course is looking at more advanced techniques and as such is best suited to students with experience in drawing and/or painting. A list of specific supplies needed for this course will be provided in the first week of class.

Students enrolled in this class should have taken a studio arts class in the last 2 years.

### **STUDIO ART 3D 11/12 (SCULPTURE AND BEYOND)**

**MVAC-11/MVAC-12**

This course offers time in your day to play with shape and form in a way that communicates ideas, emotions and perspectives. You will begin to understand how sculpture connects artist to their communities, histories and society. As an artist your growth will depend on your ability to persevere, be resilient and reflect in meaningful ways. Typical projects may include: sketchbook exploration, drafting, clay, found objects, paper mache and costume. This course is looking at more advanced techniques including carving, modelling, casting and construction. As such is best suited to students with experience visual arts. A list of specific supplies needed for this course will be provided in the first week of class. Students enrolled in this class should have taken a studio arts class in the last 2 years. It is particularly good course for students looking to pursue post-secondary art training or training in the creative industries.

### **PHOTOGRAPHY 10/11/12**

**MVAPH10/ MVAPH11/MVAPH12**

This course allows students to explore and experiment with ideas and concepts related to digital photography. Camera basics, developing an eye for compositional style and proficient use of post-production software will help students create visual art and hopefully instil a love of photography for their futures. Students will be exposed to various genres of the craft including art & product photography, portraiture, playing with light and capturing action & events that are happening in their own lives and around the school community.

### **VISUAL ARTS 9**

**MVA--09**

The BIG IDEA for this course is to explore the many aspects of studio art (2D art) and sculpture (3D art) as it enables your artistic expression and the creative process including: exploring personal identity, diverse perspectives, and the language of visual art. You might try comics, painting, clay, animation and graphics. Get your hands on cool art equipment and technology to learn the art of communicating with visual imagery. A list of specific supplies needed for this course will be provided in the first week of class.

## **MEDIA ARTS**

### **MEDIA ARTS 10**

**MVAM-10A**

This course introduces you to communication and expression through media arts such as animation, video, film, new media (ie: art that uses technology as a main component) and/or sound. Students will use media arts to explore culture, history, identity, aesthetics and will use media arts to create and communicate.

**Grade 9 students may take this course.**

### **MEDIA ARTS 11**

**MVAMT11A**

In this course you will explore communication and expression through media arts such as animation, video, film, new media (ie: art that uses technology as a main component) and/or sound. Students will use media arts to explore culture, history, identity, aesthetics and will use media arts to create and communicate.

**MEDIA ARTS 12    MVAMT12A**

This course is an advanced exploration of communication and expression through media arts such as animation, video, film, new media (ie: art that uses technology as a main component) and/or sound. Students will use media arts to explore culture, history, identity, aesthetics and will use media arts to create and communicate. This course could prepare students for entry into a post-secondary media arts program and a career in animation, video, film, new media and/or sound.



**MUSICAL THEATRE PROGRAM – Open to Grades 9 - 12.**

**We will be not be offering the full Musical Theatre Program in the 2021/2022 school year. The full program will be offered again in 2022/2023. Students interested in Musical Theatre could consider the Musical Theatre Foundations courses offered in 2021/2022**

# PROGRAMS OF CHOICE

## ACADEMIES

### HOCKEY ACADEMY

#### MPHE-09HO-1D, YLRA-0A-1D, YLRA-1AHO-1D, YLRA-2BHO-1D

New Westminster Secondary School and the Pacific Rim Hockey Academy have developed this course that provides male and female students with an opportunity to further develop their hockey skills, individual tactics, team tactics, team play/systems, strategy, off-ice training, special events, educational sessions, recreation and general health and wellness concepts. Students will be required to have some previous skating experience and preferably hockey skills.

**Each student requires a full set of CSA approved hockey equipment, including neck guard.**

## FRENCH IMMERSION

<https://curriculum.gov.bc.ca/curriculum/fral>

### EDUCATION PHYSIQUE ET SANTE

#### EDUCATION PHYSIQUE ET SANTE 9 (Physical & Health Education 9)

FEPSF09

See Physical Education 9 course description for English Version. This course will be instructed in French.

#### EDUCATION PHYSIQUE ET SANTE 10 (Physical & Health Education 10)

FPHE10

See Physical Education 10 course description for English Version. This course will be instructed in French.

### FRANÇAIS LANGUE

FFRAL09

Ce cours poursuit les objectifs du développement de la communication en offrant une étude plus approfondie de chacune des quatre habiletés langagières: la lecture, l'écoute, l'écriture et l'expression orale. Le cours amènera l'élève à développer sa compréhension de la fable, du roman et de la poésie en s'exerçant à produire des résumés d'événements et des critiques. De plus, le cours amènera l'élève à développer ses stratégies de communication et ses connaissances des éléments culturels et historiques des régions francophones.

(This course aims at developing communication with a more profound study of the principles of each aspect of the four skills: reading, writing, listening and speaking. The course will lead students to develop a deeper comprehension of fables, novels, and poetry by producing summaries of events and critiques. The course will also help students develop their communication strategies and their knowledge of Francophone culture and history.)

**RECOMMENDED:** Français Langue 8

### FRENCH IMMERSION LANGUAGE ARTS 10

FFRAL10

Le cours a pour objectif de comprendre et apprécier une variété de textes francophones, dont les nouvelles littéraires, reflétant des perspectives de la francophonie. Pour ce qui est des éléments du contexte culturel et historique des peuples autochtones, les élèves étudieront les protocoles liés à la possession des récits

de ces derniers. Ce cours représente également la première étape du perfectionnement du mécanisme de la lecture et de la communication écrite et orale. Par une maîtrise accrue d'éléments grammaticaux, syntaxiques et lexicaux, l'élève est amené à communiquer de façon efficace et autonome autant à l'oral qu'à l'écrit.

(One objective of this course is for students to understand and appreciate a variety of French-language texts, such as short stories, that reflect Francophone cultures. As for First Peoples' historical and cultural elements of the course, students will study the protocols related to the use of First Peoples' stories. This course also presents the first step in perfecting the mechanisms of reading, writing as well as oral and written communication. With an increased understanding of grammatical, syntactic and lexical aspects of the French language, students will become more autonomous in their oral and written communication abilities.)

**RECOMMENDED:** Français Langue 9

#### **FILA 11 : COMMUNICATION ORALE 11**

**FSPLG11**

Le cours de Communication orale 11 est conçu pour encourager l'élève à peaufiner et préciser sa communication grâce à la pratique et à la révision de textes provenant de la culture francophone avec un accent mis sur la communication à l'oral. Le cours offre à l'élève la possibilité d'explorer des textes authentiques ainsi que de créer, d'écrire et de partager des textes originaux à des fins variées dans un contexte actuel. L'élève développera également ses compétences d'écoute active. À travers des processus de rédaction, de réflexion et de révision, l'élève concevra un ensemble de textes pour une variété de situations langagières. Au fur et à mesure, l'élève développera la confiance dans ses capacités à communiquer tant à l'oral qu'à l'écrit.

(Oral Communication 11 is designed to encourage students to refine and clarify their communication through practice and revision of French-language texts, with an emphasis on oral communication. The course provides students with opportunities to explore original texts, as well as to create, write, and share their own texts for a range of purposes and real-world audiences and to develop active listening skills. Through processes of drafting, reflection and revising, students will build a body of work for a range of language situations. Over time, they will develop confidence in their oral and written communication skills.)

#### **FILA : MÉDIAS ET COMMUNICATION NUMÉRIQUE 11**

**FNMD-11**

Le cours de Médias et communication numérique 11 est conçu pour que l'élève explore, découvre, interprète et analyse l'évolution du rôle et de l'influence croissante des médias numériques et imprimés dans la société actuelle. Le cours reconnaît que la littératie numérique est essentielle au développement du citoyen numérique. Ce cours amènera l'élève à réfléchir de façon critique à la manière dont les médias changent et influencent les comportements en société, la manière de communiquer et la compréhension du monde.

(Media and Digital Communication 11 is designed to lead students in exploring, discovering, interpreting, and analyzing the changing role and influence of digital and print media in today's society. It recognizes that digital literacy is essential to the development of digital citizens. The course will motivate students to reflect critically on how media shapes and influences patterns of behaviour in society, how we communicate, and our understanding of the world.)

#### **FILA : ÉTUDES DU CINÉMA ET DE LA LITTÉRATURE FRANCOPHONE 11**

**FLTST11**

Le cours d'études du cinéma et de la littérature francophones 11 est conçu pour encourager l'élève à découvrir, explorer, analyser et interpréter des œuvres cinématographiques et littéraires de la francophonie.

En étudiant une variété de textes, l'élève acquerra une certaine connaissance de la culture francophone qui contribuera au développement de son identité.

(French-Language Film and Literary Studies 11 is designed to encourage students to discover, explore, analyze, and interpret cinematographic and literary works of the French-speaking world. By studying a variety of texts, students will acquire knowledge of Francophone culture, which will contribute to the development of their identity.)

**RECOMMENDED:** Français Langue 10

### **FRENCH IMMERSION LANGUAGE ARTS 12**

**FFRAL12**

Le cours de Français langue immersion 12 est requis pour l'obtention du diplôme bilingue. L'objectif de ce cours est d'intégrer et d'approfondir les compétences langagières et les connaissances linguistiques et culturelles acquises lors des expériences d'apprentissage antérieures. Ce cours permet à l'élève d'avoir un aperçu des divers facteurs qui façonnent son identité bilingue. Le cours offre de nombreuses occasions à l'élève d'approfondir la connaissance de soi et des autres dans un monde en évolution. De plus, l'élève explorera des textes de plusieurs genres et modes, provenant de sources diverses et reflétant des perspectives de la francophonie et des peuples autochtones. Ce cours amènera l'élève à utiliser sa pensée critique et créative pour analyser diverses situations de communication. Finalement, l'élève affinera sa communication dans divers contextes afin d'atteindre ses objectifs personnels et professionnels.

(French Immersion Language Arts 12 is required to receive a bilingual diploma. The objective of this course is to help students integrate and enhance the linguistic competencies and linguistic and cultural knowledge acquired during past learning experiences. French Immersion Language Arts 12 will enable students to gain an overview of the various factors that shape their bilingual identity. It offers many opportunities for students to deepen their knowledge of themselves and others in a changing world. In addition, students will explore different types and genres of texts, from various sources, that reflect Francophone and First Peoples perspectives. The course will encourage students to use critical and creative thinking to analyze various communication situations and to refine their communication skills in diverse contexts in order to achieve their personal and career objectives.) **RECOMMENDED: FILA11**

## **SCIENCES**

### **SCIENCES NATURELLES 9**

**FSCF-09**

Ce cours vise à développer un vocabulaire et une culture scientifique. Les laboratoires et les projets sont une partie importante du cours développant une expérience pratique de la science. La chimie, la physique, la biologie humaine et l'écologie sont les quatre unités étudiées dans le cours.

## **SCIENCES HUMAINES**

### **EXPLORATIONS SCIENCE HUMAINES 11**

**FEPSS11**

Ce nouveau cours, Exploration 11, est un produit de la refonte du nouveau curriculum. Les élèves analyseront des enjeux contemporains au niveau local, national et international. Les thèmes suivants seront explorés : cultures et identités ; colonialisme et impérialisme ; économie et écologie ; rôles et responsabilités dans un contexte de mondialisation. Les élèves utiliseront diverses sources historiques et contemporaines afin d'approfondir leurs habiletés de pensée critique et historique.

### **JUSTICE SOCIALE 12**

**FSJF-12**

Offert pour la première fois en français en 2010-2011 au niveau provincial, ainsi qu'à NWSS, le cours « Justice sociale 12 » vise la compréhension de l'injustice et l'action nécessaire pour affronter celle-ci. Les élèves seront amenés à comprendre les causes de l'oppression et à réfléchir de manière critique aux causes des diverses formes de discrimination, à l'échelle locale, nationale et mondiale. Nous examinerons également la signification d'un comportement personnel « juste » d'un point de vue éthique, ainsi que des approches individuelles et organisationnelles permettant de confronter l'injustice. Ce cours comprend des projets incitant les participants à agir et à se développer en tant que citoyens responsables.

This course provides an excellent opportunity for French Immersion students to continue the use of their French language skills at the senior level. See Social Justice 12 for the English version of the course description.

### **SCIENCES HUMAINES 9**

**FSCHF09**

Ce cours, Sciences humaines 9, est un produit de la refonte du nouveau curriculum. Les élèves analysent les thèmes suivants : révolution, impérialisme, nationalisme, migration et colonialisme durant la période 1750 à 1919. La géographie physique et les activités économiques canadiennes seront également étudiées. Les élèves développeront leurs connaissances à travers des enquêtes, l'analyse de documents et la communication orale et écrite. Les élèves interpréteront des preuves, évalueront la continuité et le changement, considéreront des perspectives différentes, comprendront les concepts de cause et de conséquence et porteront des jugements éthiques sur des événements historiques.

**RECOMMENDED: Social Studies 8.**

### **SCIENCES HUMAINES 10**

**FSCH-10**

Le cours de Sciences humaines 10 analyse les thèmes de l'autonomie canadienne, l'identité canadienne, divers conflits nationaux et internationaux, le colonialisme, les idéologies politiques, les institutions politiques, la discrimination, les perspectives autochtones et les interactions humaines avec l'environnement du début du 20<sup>e</sup> siècle jusqu'à aujourd'hui. Les élèves utiliseront diverses sources historiques et contemporaines afin d'approfondir leurs habiletés de pensée critique et historique.

**RECOMMENDED: Social Studies 9.**

### **SCIENCES HUMAINES 11 (see Explorations Science Humaines 11)**

## HONOURS COURSES

NWSS Honours courses are designed to offer students who seek challenge and an opportunity to extend their learning. They are available in *English Language Arts, French, Mathematics, Science, & Social Studies*. Honours courses are open to all Grade 10 students. These courses cover the curriculum in an accelerated format. Students who are seeking to apply to the Grade 11/12 NWSS IB Program, or students intending on applying to university programs after graduation, should consider Honours courses.

### ENGLISH 10 HONOURS

MEN--10H

This is an intensive courses designed for students intending to pursue the International Baccalaureate Programme. This is a literature-based course. As in Grade 9, students will study a variety of genres, but there will be more emphasis on World Literature. Critical awareness and appreciation of literary structures, styles and voices will be emphasized. The writing will be expository and creative, and consist of commentaries, exercises in style, informal journal writing, and formal essays. The editing of one's own work and peer-editing will be required in the writing process.

### FRENCH 10 HONOURS

MFR--10H

These are intensive courses designed for students intending to pursue the International Baccalaureate Programme. The courses are based on the French 9 and 10 programs, however greater emphasis is put on communication and grammar exactitude and are delivered at a faster pace. Students are asked to read and interpret French texts, listen and respond to spoken French, and communicate effectively in French (both orally and in writing).

### MATHEMATICS 10 HONOURS

MFMP-10H

This course is a preparation for those intending to pursue the International Baccalaureate program. Topics are similar to those in Math 10 and 11, but studied to a greater depth with enrichment of most topics. Critical thinking and problem solving will be emphasized.

Some topics will be emphasized differently, additional topics necessary for success in the IB Math program (such as permutations and combinations, vectors, and matrices) will be incorporated, and the pace will be accelerated. IB Math questioning techniques and notation will be used and practiced in preparation for the IB Math exam. After successful completion of this course, students who want to prepare for the Standard Level Mathematics course will enter a Standard Level IB course (IB Math Studies or IB Math Methods). **Before selecting this option, please discuss with your current Math teacher.**

### RESEARCH IN MOTION 9

XLCA09

Students will be introduced to: **research methods** (Internet, Library), networked computer file systems, various presentation media (World Wide Web, PowerPoint, computer graphics), and computer tools for learning and study (word processing and spreadsheets). The course is highly recommended for students wishing to apply to the **IB Program**, or intending to apply to **university** in the future.

All instruction is on the Windows 9X operating system. No previous computer experience is necessary.

**Note: Open to all Grade 9 and 10 students.**

### SCIENCE 10 HONOURS

MSC--10H

These are intensive courses designed for students intending to pursue the International Baccalaureate (IB) Diploma Programme. NWSS Pre-International Baccalaureate Science 9 and 10 will follow the Science 9 and 10 curriculum for the province of British Columbia with additional material added and the depth of study increased. Honours courses require students to work at a faster pace to accommodate enrichment activities and topics.

## **SOCIAL STUDIES 10 HONOURS**

**MSS--10H**

This course is a continuation of Social Studies 9 Honours course. This course aims to finish the Social Studies 10 content started in Social Studies 9 Honours and to cover the Social Studies 11 content.

Topics to be covered include:

- Canada-US relations
- 20th Century Global conflicts
- Government in Canada *and*
- Physical and Human Geography

## **INTERNATIONAL BACCALAUREATE**

### **IB Mission Statement**

The International Baccalaureate aims to develop inquiring, knowledgeable and caring young people who help to create a better and more peaceful world through intercultural understanding and respect. To this end the organization works with schools, governments and international organizations to develop challenging programs of international education and rigorous assessment. These programs encourage students across the world to become active, compassionate and lifelong learners who understand that other people, with their differences, can also be right.

### **What is IB?**

The Diploma Programme (DP) is designed for grade 11 & 12 students by the International Baccalaureate Organization (IBO). It is a two-year program that prepares students for the rigours of university study. Most universities grant advanced credit for IB Courses. Some grant full first-year standing.

### **More than just hard work: work smarter... work for the future**

The Diploma Programme makes plentiful use of discussions, debates, oral presentations, written assignments and collaboration. These skills are key elements in helping students acquire the skills necessary for civic engagement and effective advocacy in the 21<sup>st</sup> century.

### **IB BIOLOGY 11/12**

**IBIS-11 / IBIS-12 / IBIH-11 / IBIH-2ABIO / IBIH-2A**

IB Biology 11 is a survey of all the human body systems including a dissection of the fetal pig.

The course ends with the study of ecology. IB Biology 12 begins with the biochemistry of micro molecules, metabolic pathways and the roles of DNA in protein synthesis, genetics, and evolution. The course ends with the IB examinations. ***A lab fee may be charged for this course.***

**Please view the following Subject Brief documentation:**

<https://www.ibo.org/globalassets/publications/recognition/biologyhl2016englishw.pdf>

### **IB CHEMISTRY 11 / IB CHEMISTRY 12 (SL/HL)**

**IGCH-11 / ICHH-11 / IGCH-12 / ICHH-2A**

"The significantly revised IB DP Chemistry curriculum arms students with academic theoretical knowledge along with practical and investigational skills, giving them an insight into the analysis, collaboration, and communication that occurs in the global scientific community. The two-year course, offered at the standard and higher levels, includes Measurement and Stoichiometry, Atomic Theory and Periodicity, Bonding and Energetics, Kinetics and Equilibrium, Acid-Base chemistry, Redox processes, and Organic chemistry at the

core, along with Biochemistry as the chosen option. Students are assessed internally via an investigative, experimental research paper, and externally in the final IB exams in May of the Grade 12 year." ***A lab fee may be charged for this course.***

**Please view the following Subject Brief documentation:**

<https://www.ibo.org/globalassets/publications/recognition/chemistryhl2016englishw.pdf>

### **IB ENGLISH 11 / IB ENGLISH 12**

#### **IELM-11 / IELS-11 / IELM-12 / IELS-12 / IELS-12-Z**

The focus of IB English is the study and appreciation of literary achievements of our culture and the cultures of other societies. Students will develop skills in literary criticism, writing, and oral presentation through a study of World Literature texts in translation, poetry, novels, drama, and non-fiction texts written in English. Students will complete a number of creative and analytical assignments, including written examination of a work in detail, and an essay exam. IB English 11 aims to promote an international perspective and understanding of cultures by comparing works of different societies and times, as well as an enjoyment of, and lifelong interest in world literature.

**Please view the following Subject Brief documentation:**

<http://www.ibo.org/university-admission/ib-recognition-resources-and-document-library/#briefs>

### **IB FRENCH 11 SL / IB FRENCH 12 SL/HL**

### **IFRS-11 / IFRS-2A / IFRH-2A**

These courses prepare the students for the International Baccalaureate Certificate and Diploma Examination. The learning of a second language is strongly linked to the IB course Theory of Knowledge as well as to developing receptive, productive and interactive skills in the French language. With this in mind, students enrolled in IB French 11/12 will:

- Learn further about the elements of the French language (morphology, grammar, syntax)
- Develop an ease in responding (in both oral and written format) to the language and its subtleties in various situations (vocabulary, idioms and expressions, phonetics)
- Acquire an awareness of the state of the French language in today's world as well as how languages and cultures are bonded (accents and dialects, linguistic ethic)

**RECOMMENDED:** French Honours 10

**Please view the following Subject Brief documentation:**

<https://www.ibo.org/contentassets/5895a05412144fe890312bad52b17044/lang-b-2018-en.pdf>

### **IB MANDARIN 11 SL / IB MANDARIN 12 SL/HL**

### **IMAS-11 / IMAS-12**

These courses prepare the students for the International Baccalaureate Certificate and Diploma Examination. The learning of a second language is strongly linked to the IB course Theory of Knowledge as well as to developing receptive, productive and interactive skills in the Mandarin language. With this in mind, students enrolled in IB Mandarin 11/12 will:

- Learn further about the elements of the Mandarin language (morphology, grammar, syntax)
- Develop an ease in responding (in both oral and written format) to the language and its subtleties in various situations (vocabulary, idioms and expressions, phonetics)
- Acquire an awareness of the state of the Mandarin language in today's world as well as how languages and cultures are bonded (accents and dialects, linguistic ethic)

**Please view the following Subject Brief documentation:**

<https://www.ibo.org/contentassets/5895a05412144fe890312bad52b17044/lang-ab-initio-2018-en.pdf>

**IB HISTORY 11 / IB HISTORY 12 (SL/HL)****IHIS-11 / IHIS-12 / IHIH-11 / IHIH-2A**

IB History 11/12 offers two levels (Standard and Higher) of advanced study in Twentieth Century World History

Prescribed Subject of study: The Move to Global War. 20<sup>th</sup> Century World History Topics: Authoritarian States (20<sup>th</sup> Century), Causes and Effects of 20<sup>th</sup> Century Wars.

Higher Level students are also required to study one regional option, Europe, with the following topics: Europe and the First World War (1871-1918), Inter-war domestic developments in European states (1918-1939), and Diplomacy in Europe (1919-1945)

Since history involves close textual analysis and critical thinking, students will discuss and debate issues, analyze documents, and write essays (as preparation for the IB examinations in the grade 12 year). Standard level students write **TWO** external exams in May of their grade 12 year, whereas higher level students write **THREE** external exams at the end of grade 12.

**NOTE:** Higher level students must attend a weekly 1.25 hour seminar in their grade 11 year.

**Please view the following Subject Brief documentation:**

<https://www.ibo.org/globalassets/programme-information/dp/history-hl-2020-eng.pdf>

**IB MATHEMATICS 11 SL / IB MATHEMATICS 12 SL****IMM—11 or IMM--12**

This course offers a vigorous approach to topics included in Foundations and Pre-Calculus Math 11 and 12 as well as additional math topics prescribed in the IB syllabus, such as calculus, vectors, probability and statistics. Critical thinking and problem solving will be emphasized. IB questioning techniques and notation will be used and practiced in preparation for the IB Math exam. An internal assessment assignment will also be included.

**Please view the following Subject Brief documentation:**

<https://www.ibo.org/contentassets/5895a05412144fe890312bad52b17044/subject-brief-dp-math-analysis-and-approaches-en.pdf>

**IB MATHEMATICS 11 HL / IB MATHEMATICS 12 HL****IMC--11 / IMC--2A**

This course offers an extremely vigorous approach to topics in Foundations and Pre-Calculus Math 11 and 12 as well as additional math topics prescribed in the IB syllabus, such as probability and statistics, vectors, calculus, series and differential equations, complex numbers, and proof, among others. Critical thinking and problem solving will be emphasized. IB questioning techniques and notation will be used and practiced in preparation for the IB Math exam. (An internal assessment will also be included in the final assessment). This is an extremely difficult course and should only be attempted by those with a very strong foundation in mathematics.

**Please view the following Subject Brief documentation:**

<https://www.ibo.org/contentassets/5895a05412144fe890312bad52b17044/subject-brief-dp-math-analysis-and-approaches-en.pdf>

**IB PHYSICS (Standard Level) 11/12****IPHS-11 / IPHS-12**

The IB Physics Syllabus is a combination of the curriculum from the province of British Columbia for Physics 12 and the IB Course Syllabus. The objectives will concentrate on the laws of physics, experimental skills,

and the social and historical aspects of physics as an evolving body of human knowledge about nature. Topics include: Measurements and Uncertainties, Mechanics, Electricity and Magnetism, Thermal Physics, Waves, Atomic, Nuclear and Quantum Physics, Energy Production and Astrophysics. While the skills and activities are common to students at both Standard and Higher Level, the distinction between SL and HL is one of breadth and depth. Previous exposure to formal specific education (Physics 11), a very good understanding of the concepts covered by the topics of Waves, Geometrical Optics, Kinematics, Dynamics, Energy, Nuclear Physics, and Special Relativity, along with the required skills to apply these concepts in theoretical and practical work are necessary in order to be successful in the IB Physics course.

**Please view the following Subject Brief documentation:**

<https://www.ibo.org/globalassets/publications/recognition/physics12016englishw.pdf>

### **IB PHYSICS (Higher Level) 11/12**

**IPHH-11 / IPHH-2A**

The IB Physics HL course syllabus follows the same curriculum as IB Physics SL, providing more in-depth study

of the content and is supplemented with additional topics on quantum physics, digital technology and astrophysics.

The core material taken by SL students forms a subset of the HL program.

**Please view the following Subject Brief documentation:**

<https://www.ibo.org/globalassets/publications/recognition/physics112016englishw.pdf>

### **IB PSYCHOLOGY (Standard Level & Higher Level) 11/12**

**IPSY-11/ IPSH-11 / IPSY-12 / IPSH-12 / IPSH-12Z**

Offered at the standard level, IB Psychology SL gives students a broad understanding of the subject and its major theoretical approaches. At both levels, the course guides students through the study of human behaviour through the lens of the biological, cognitive, and socio-cultural perspectives. Additionally, IB Psychology HL students study two of five and SL students one of five optional psychology topics: abnormal, developmental, health, human relations, and sports. This course introduces students to qualitative and quantitative research methods and at the higher level to probability and statistics including the Chi-Square test, the Mann-Whitney *U* test, and the Wilcoxon Signed-Ranks test, among others. The awareness of ethical issues in research and an emphasis on culture as it applies to human behaviour permeate IB Psychology.

**Please view the following Subject Brief documentation:**

<https://www.ibo.org/contentassets/5895a05412144fe890312bad52b17044/psychology-sl-hl-2019-en.pdf>

### **IB THEORY OF KNOWLEDGE (TOK) 11/12**

**ITK--11 / ITK--12**

This course is for students in the International Baccalaureate Programme. Students will be introduced to the fundamental questions of what we know, how we know it, and how we determine its value. Topics will include knowers: ways of knowing (emotion, reason, perception & language); and areas of knowledge (natural sciences, human sciences, mathematics, ethics, history, the arts & political thought). Students will do regular readings and viewings from a variety of sources, and will be required to reflect upon, discuss, and write about their ideas. Evaluation will be based on written and oral assignments

**Please view the following Subject Brief documentation:**

[https://www.ibo.org/globalassets/publications/recognition/core\\_tok.pdf](https://www.ibo.org/globalassets/publications/recognition/core_tok.pdf)

## OTHER OFFERINGS

### PSYCHOLOGY

Please note that Psychology courses are not recognized as a SOCIAL STUDIES credit

#### PSYCHOLOGY 11

Have you ever wondered what is really going on in the human brain or what drives human behaviour? Then this is the course for you! This is an introductory course that examines our sense of “self”, the human brain structure and nervous system, senses and perception, thinking and learning styles, theories in personality and psychological disorders.

#### YPSYC1A

#### PSYCHOLOGY 12

This course begins with a brief look at some of the historical pioneers of psychology. However, the emphasis is on human behaviour. The focus is on topics such as nature vs. nurture, stress and health, consciousness, motivation (what drives human behaviour), emotion, and careers in psychology.

#### YPSYC2A

Recommended: Psychology 11

## New Westminster Online Learning Courses

Unpredictable schedule? Need the flexibility of studying any time of the day or date of the week? New Westminster Online Learning, also known as VirtualSchoolBC, has a full range of academic courses available 24 hours a day, 7 days a week. We welcome all high school aged students, who want to work on their courses from any location and to schedule their study time so it works with their own busy schedules.

Are you a prospective student? Check out the website: <https://newwestonlinelearning.ca/home/>

For more FAQ please go to: <https://newwestonlinelearning.ca/about-us/faqs/>

### Available for Registration September 2021

Social Studies	English Language Arts
BC First Peoples 12 20 <sup>th</sup> Century World History 12 Law Studies 12 Entrepreneurship 12 Social Studies 10 Social Studies 9	English Studies 12 Literary Studies 11 English Language Arts 10: Composition (2 credit) English Language Arts 10: Literary Studies (2 credit) English Language Arts 9
Career Education	Science
Career-Life Connections 12 Career-Life Education 10 Career 9	Anatomy & Physiology 12 Life Sciences 11 Science for Citizens 11 Science 10 Science 9 Chemistry 11 Chemistry 12 Physics 11 Physics 12
Mathematics	Physical and Health Education
Pre-Calculus Math 12 Pre-Calculus Math 11 Foundations of Math 11 Workplace Math 11 Foundations and Pre-Calculus Math 10 Workplace Math 10 Mathematics 9	Fitness & Conditioning 12 Physical Health and Education 10 Physical Health and Education 9

<b>Electives</b>	
Applied Design, Skills, and Technologies 9 - Entrepreneurship and Marketing focus	Arts Education 9 Film & Television 12