

Sigma Course Selection

2024 – 2025



<https://www.cooltohome.com/wp-content/uploads/2017/05/image-1.png>

At New Westminster Schools we recognize and acknowledge the Qayqayt First Nation, as well as all Coast Salish peoples, on whose traditional and unceded territories we live, we learn, we play and we do our work.

Areas of Learning

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Instructional Delivery Methods available at SIGMA



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.



Blended/Self-paced

Blended/Self-paced combines classroom instruction with online learning/ paper packages, portions of the learning occur face to face in the brick-and-mortar building, while other sections are available through paper packages and/or online. Students can in part, control the time, pace, and place of their learning.



Online Learning- through NWSS Online Learning

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



<https://www.google.com/calendar?tab=ic1>

Applied Design, Skills, and Technologies

CHILD DEVELOPMENT AND CAREGIVING 12



MCDAC12

This course engages students in research and observation to determine service design opportunities that include child development and caregiving. Students explore child development and theories of caring styles and impacts on child development.

Arts Education



<https://3o15h033zmpwrcwx2f00tqx-wpengine.netdna-ssl.com/wp-content/uploads/2019/12/art-education-jpg>

ART STUDIO 10/11/12



MVAST 10/11/12

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 will be able to try it all: drawing techniques, painting, theatre props and costume, and photography.

STUDIO ART 3D 11/12



MVAD-10/MVAC-11/12

This course offers time in your day to play with shape and form in a way that communicates ideas, emotions and perspectives. As an artist your growth will depend on your ability to persevere, be resilient and reflect in meaningful ways. Typical projects may utilize sketchbook exploration, glass, wire, clay, found objects, and paper-mache.

Career Exploration



<https://www.sd72.bc.ca/school/robron/careers/FeaturedStories/Career%20Image.png>



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. 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
- 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 off CLE 10, students will explore post-secondary education options, careers, health and finances. At the end of the course, students will be more aware of opportunities that are available to them. Career-Life Connections focuses on applying personal career-life management knowledge, skills, and strategies toward a personal life journey.

LANGUAGE ARTS



<https://meet.google.com/?pli=1&authuser=0>

Composition 10 and Literary Studies 10



MLTST10 & MCMPS10

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. 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. English First Peoples 10 and Literary Studies 10.

English First Peoples Writing 10 and Literary Studies 10



MEFLS10 & MEFWR10

English First Peoples 10 is a combination of Literary Studies 10 and Writing 10. These courses include readings and assignments to help students explore First People's culture, history, and stories. Students also explore their own identity and that of Indigenous writers who bring us their stories and poems. Readings will include a selection of short stories, poetry, and a novel. There will be a variety of opportunities for students to develop and demonstrate their communication skills.

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.



ENGLISH FIRST PEOPLES 11

MEFLS11

In English First Peoples 11, we explore Indigenous stories and texts to deepen our understanding of culture, belonging and the ‘other’. Over the course of the term, students are asked to read, listen to, and watch these stories and texts, and then they are asked to demonstrate their understanding, using a variety of methods.



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

MENP12

EFP 12 builds upon and extends students’ previous learning experiences in ELA and EFP 10 and 11 courses. The course is grounded in the First Peoples Principles of Learning. The course focuses on the experiences, values, beliefs, and lived realities of First Peoples through various forms of text, including oral story, poetry, song, performance, film, and prose. A key feature of the course is its focus on authentic First Peoples voices (i.e., historical or contemporary texts created by or with First Peoples), and its intent to explore the experiences of Indigenous peoples globally in addition to those within Canada.

Math



FOUNDATIONS OF MATH & 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.

FOUNDATIONS OF MATHEMATICS 11



MFOM-11

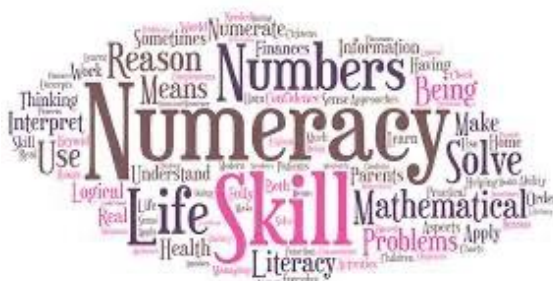
Foundations of Mathematics 11 is designed to provide students with the mathematical understandings and competencies identified for entry into post-secondary programs that do not require the study of theoretical calculus. Curricular content includes mathematical reasoning, angle relationships, linear inequalities, quadratic functions, systems of equations, optimization, applications of statistics, scale models, and financial literacy.

WORKPLACE MATHEMATICS 10/11/12



MWPM-10/11/12

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.



<https://curriculum.transition-from-grade-10-12-provincial-exams-to-assessments-of-numeracy-and-literacy/>

Physical and Health 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 activities.

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 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. This course may include field trips.

Science



<https://www.facebook.com/ScienceTimmins/>

SCIENCE 10



MSC--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).

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.

SCIENCE FOR CITIZEN 11



MSCCT11

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.

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.

Social Studies



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 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.

Additional Offerings



APPLICATIONS FOR LEARNING

YCPA-0B/1B/2B

In this course students work to build their learning and study skills with the support of a Learning Support Teacher. Students receive direct instruction in effective learning skills and strategies that are required for students to become independent, successful learners. The primary focus for this course includes self-advocacy and self-determination, focus on various organizational and study skill techniques, thinking and reflecting skills.



PSYCHOLOGY 11/12

YPSYC1A/2A

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



SELF-EFFICACY 10/11/12

YCPA- 0C/1C/2C

This course is designed to allow students to demonstrate their self-efficacy through overcoming their own social, emotional and/or behavioural barriers to learning. Students will be exposed to strategies and skills to aid them in communication, interpersonal relations, and conflict management while taking responsibility for their decision-making and problem solving.

New Westminster Online Learning Courses

Unpredictable schedule? Need the flexibility of studying any time of the day or day of the week? New Westminster Online Learning, 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/>

Applied Design, Skills, and Technology	Career Education
Entrepreneurship 12 Entrepreneurship & Marketing 9	Career-Life Connections 12 Career- Life Education 12 (adult graduation program) Career-Life Education 10 Career Education 9
English Language Arts	Mathematics
English Studies 12 Literary Studies 11 English Language 10: Composition English Language 10: Literary Studies English Language 9	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
Physical and Health Education	Science
Fitness & Conditioning 12 Physical and Health Education 10 Physical and Health Education 9	Anatomy & Physiology 12 Chemistry 12 Physics 11 Life Sciences 11 Science for Citizens 11 Chemistry 11 Physics 11 Science 10 Science 9
Social Studies	
BC First Peoples 12 Law Studies 12 20 th Century World History 12 Social Studies 10 Social Studies 9	