

Peace IS IN THE AIR

ACCOUNTABILITY INTEGRITY RESPECT



Welcome to NPSS

North Peace Campus

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ELC Campus

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2019 – 2020

Grade 11/12 Course Calendar

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IT ALL STARTS WITH GOOD PLANNING!

Making the right choices early will ensure you
have opportunities later.

- Parents and students are **strongly advised** to consider a plan when selecting courses
- Your course choices determine the 2019 – 2020 NPSS/**ELC** timetable.
- **Students may change their course choices until May 10th. After that date the opportunity to change courses will be permitted under the following conditions:**
 - Unsuccessful completion of core courses
 - A change in post secondary plans that requires a specific prerequisite

If students have any questions about course selection, career programs, graduation requirements or any other issue, they should see a counsellor or the designated Career Programs contact person. Personnel are available at 250-785-4429; extensions and email address are indicated below.

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NPSS/ELC SERVICES

NPSS/ELC COUNSELLING AND CAREER EDUCATION SERVICES

Counsellors at NPSS/ELC are readily available to help students in a variety of ways. They are able to assist with:

- Personal concerns
- Making connections with outside agencies
- Advocacy
- Post secondary planning
- Choosing appropriate courses
- Investigating numerous career options
- Placement into various alternative programs

Students will find the counsellors, **Mrs. Smith**, **Mr. Pearce** and **Mr. Hosker**, in the Career Center across from the office at the North Peace campus. Feel free to drop in anytime! **Ms. Edgington**, the Career Center office specialist, will help with any inquiries. **Mrs. MacKenzie**, the Student Records secretary, can prepare transcripts for students. **Mrs. Anielewicz** will be the counsellor for the ELC. Feel free to contact her at any time. Our Career Programs team, **Mr. Mayer**, **Ms. Hoecherl**, and **Mr. Palibroda** provide work experience, apprenticeship and dual credit registration for interested students. They will also visit the ELC on a regular basis to keep in contact with the students who have shown an interest in the programs.

NPSS/ELC OFFICE SERVICES

North Peace Secondary School and ELC clerical staff are able to assist parents and students with:

- General inquiries
- Caution/course fee payments and/or refunds
- Transcript/report card inquiries
- Attendance records and follow-up
- Directions to appropriate administrators, teachers, other staff and services

The regular office hours are: 8:00 am to 4:00 pm daily from Monday to Friday. The office is closed during all breaks in the school year. In the summer, the office is closed from mid-July to mid-August.

ABORIGINAL SUPPORT SERVICES

Close to 20% of our student population enjoy a rich Native heritage. If students are of First Nations Ancestry, please ensure that you declare this on your student registration form and letter. Our Aboriginal Support Workers, **Raquel Conley** and **Jonathan Kraeker**, can provide students with academic and personal support, along with cultural awareness activities.

SUPERVISION SERVICES

Hall monitors provide supervision of the North Peace campus throughout the day. Students will find these monitors friendly and eager to help students. Students must be in the Cafeteria, Library or off North Peace campus during any free period. All other areas are off limits to students during class time including the student parking lot. We ask that all visitors to both our campuses check in at the office.

NPSS LIBRARY SERVICES

The teacher-librarian at our North Peace campus is **Ms. Nimmo**. The library is open 8:15 a.m. to 3:45 p.m. Monday to Friday. Students are welcome at any time throughout the day to do research, work at one of the many computer stations or relax with a book or magazine in our fiction section reading area. The library also has a photocopier for student use. The cost is \$.15 per copy. Our library is the “learning hub” of our North Peace campus and we ask that students help to maintain a quiet, safe and serious learning environment in the library at all times.

TEXTBOOKS

The library distributes and collects all textbooks for our North Peace Campus. This occurs at the beginning and end of each semester and, in some cases, throughout the year, depending on the needs of a particular course. For missing and damaged library items, replacement costs and damage fees will be charged to the student, as necessary. Please note that it is the responsibility of all students to return **ALL** their textbooks to the library at the end of each semester.

DISTRIBUTED LEARNING COURSES - Key Learning Centre

Most distributed learning courses require a refundable deposit of \$100. Students are required to write the government final exam where applicable. June 15th is the deadline for completion of courses for students intending to graduate in 2019. You must see your counsellor before registering for a distributed learning course.

Want to earn additional credits?

The following options allow students to broaden their school program by selecting additional courses. They are intended to respond to unique needs in exceptional circumstances, not to replace the valuable experience of learning in the classroom.

1. Course Equivalency

The purpose of equivalency is to grant credit for documented learning from outside the BC school system where a match of 80% of the content exists between the prior learning and the BC provincial or locally developed curriculum. Please see the Career Centre to discuss the possibility of course equivalency.

2. Course Challenge

The challenge process provides an opportunity for registered NPSS students to receive credit based on prior learning from other settings, that correspond to the learning outcomes in the provincial or locally developed curriculum, but for which there is no verification. **See counsellors for more information.** This means that the student must initiate the procedure well in advance of the deadline. Please see the Career Centre to discuss the possibility of a course challenge.

3. Independent Directed Studies

Independent Directed Study (IDS) is a policy that allows students to initiate their own course of study under the supervision of a teacher. An IDS course must be based on the learning outcomes of a Ministry authorized or Locally Developed/Board Authorized Course. An IDS course can be worth one, two, three or four credits and can only count towards Selected Studies/Elective Courses. **In order to participate in an IDS course, a student must have demonstrated the ability to be responsible and to work independently.** Students interested in pursuing this option should contact a counsellor for more information.

4. External Courses

Students may earn credit for successfully completing an external course approved by the Ministry. An external course is an organized set of learning activities that is developed or offered outside the BC Secondary School System (see a counsellor for a complete list).

STUDENT OPPORTUNITIES

SHAD VALLEY

Shad Valley is a four-week summer enrichment program. Students spend a month living in residence at one of our host university campuses across Canada. The program is offered to students currently completing grade 10, 11 or 12.

With a focus that includes the sciences, technology and entrepreneurship, the program provides an academically stimulating, mind-expanding adventure for top well-rounded students. Students will also enjoy recreational activities and the opportunity to explore local attractions.

If you are passionate about science and technology then ask a counsellor how you might become a SHAD VALLEY alumnus or contact <http://www.shad.ca/shad/myweb.php> for more information. It is an awesome experience!

ENCOUNTERS WITH CANADA

Canada's largest youth forum! Every week of the school year, 120-130 teens from across Canada (ages 14-17) come to Ottawa; there, they discover their country through each other, learn about Canadian institutions, meet famous and accomplished Canadians, explore exciting career themes, develop their civic leadership skills, and live an extraordinary bilingual experience. **For more information contact the Career Centre at North Peace.**

STUDENT EXCHANGE

A Youth Exchange student will spend up to a year living with a few host families and attending school in a different country. Whether you participate in a long-term or short-term Youth Exchange program, you'll learn a new way of living, a great deal about yourself, and maybe even a new language. You'll also be an ambassador, teaching people you meet about your country, culture, and ideas. You can help bring the world closer - and make some good friends in the process. For more information, contact the Career Centre at North Peace Secondary School.

LEARNING SUPPORT SERVICES

Our Learning Support Department is diverse and includes a number of very exclusive programs for students whose learning needs cannot be met by regular programming. In order to serve our community better, we've prepared a list of our programs and their descriptions so that you will have a clearer picture of our role within our school.

RESOURCE PROGRAM (MAIN CAMPUS)

Students in this program have an Individual Education Plan (IEP) to meet their complex learning needs. An individual program for Resource students can be adapted or modified depending on the goals of the IEP. Resource students are integrated into the regular classroom for most of their day and are supported by an Educational Assistant. Students may also develop and practice basic skills and functional academics in the Resource program. Community outings, volunteer work, work experience and classroom integration are important aspects of the program as they help students build social and behaviour skills. Students in the Resource program are an important part of our school community and are actively involved in the school. They also participate in the graduation ceremony and will receive an Evergreen Certificate or a Dogwood depending on their IEP goals.

EVERGREEN PROGRAM (MAIN CAMPUS)

Students in our Evergreen program focus on **functional academics, life skills, and career development**. Students are given an individualized program that will be at the student's level emphasizing academic, employability, and independent living skills, along with promoting personal and social development. Students will take one to two electives each semester and will have access to technology (IPads and computers) to help realize their learning potential. Career exploration is an option that is available to students in second semester. Students who spend three years in this program will be awarded a School Completion Certificate.

LEARNING ASSISTANCE PROGRAM (NORTH PEACE/ELC CAMPUS)

Learning Assistant Teachers (LATs) are available to help support the complex needs of students who are identified on the Ministry of Education 1701 needs lists. These are both students that are designated with specific learning disabilities or other special needs as well as non-designated students who struggle academically and behaviourally. The LATs create and implement adaptations and/or modifications as needed, as well as provide interventions for those students with an Individual Education Plan (IEP) or Student Learning Plan. The LATs support the classroom teachers in meeting the learning needs of these students as per their IEP goals. They are also available to team-teach in the classroom to help support the diverse learning needs of students. LATs administer baseline assessments, and act as a liaison with the school district psychologist. Additionally, the LATs provide support on a regular basis in regards to the adjudication process; this includes providing readers, scribes, separate settings, etc. for students that qualify for these adaptations.

SENIOR ALTERNATE (NORTH PEACE CAMPUS)

School-Within-A-School by Application and Interview Only

The Senior Alternate program is a respectful community of diverse individuals aged 16 - 19 who are dealing with social, emotional and/or behavioural challenges. The goal of the program is to

strengthen students' resiliency so that they can continue towards graduation, trades and apprenticeship or a post secondary training program. The program offers all core academic subjects required for a regular BC Dogwood Graduation Diploma. Students are provided with necessary academic support and adaptations. The program offers smaller class sizes. Individually paced course work allows greater flexibility and group activities build a sense of community. The program also offers the elective courses including Foods and Personal and Social Development 10, 11 and 12. Personal and Social Development 10 is a mandatory course for students entering into the Senior Alternate Program. In addition, students can complete elective requirements by enrolling in NPSS mainstream courses and/or completing work experience, apprenticeship programs or dual credit courses. Referrals are made by parents/guardians, students, school counselors, outside agencies (i.e. Social Services, Corrections) and/or school district staff. Application forms are available from the NPSS Career Center.. They must be returned (fully completed), before the Admissions Committee will consider applicants for the placement in the program.

CAREER OPPORTUNITIES

WORK EXPERIENCE (WEX 12A and WEX 12B)

The opportunities for work experience are endless. Hundreds of employers in Fort St. John open their doors to NPSS students each year. Starting with basic employability skills such as resume and cover letter writing, job interview skills, and workplace safety, students are then put into a career placement in an area of their choice. While students are encouraged to sign up for a Work Experience at the beginning of the first semester, they are able to sign up at any time during the school year.

WORK EXPERIENCE 12A (4 Credits)

- 90 hours of work experience
- Start up assignments and some reflective assignments to be completed during the work experience

WORK EXPERIENCE 12B (4 Credits)

- 90 hours of work experience
- Goal setting activities and some reflective assignments to be completed during the work experience

Benefits:

- Prepare students for entry into the workplace
- Valuable resume and cover letter writing skills
- Begin networking
- May lead to a potential apprenticeship if the student chooses a placement in a recognized trade

Work Experience 12A must be completed first before students can enroll in Work Experience 12B.

YOUTH WORKS IN TRADES

The Youth Works in Trades Program offers students the opportunity to begin accumulating hours toward certification in a trade prior to graduation. If students are in grades 10, 11, or 12, they could be gaining course credit for working as an apprentice as early as 15 years of age.

Consider the following:

- Students find a job with a qualified tradesperson.
- Students are registered with the Industry Training Authority as an apprentice.
- Students work (and get paid) in a trade, learning from a journeyman.
- For every 120 hours worked, students earn 4 credits (SSA11A, SSA11B, SSA12A, SSA12B).
- Students can work during school, after school, or on holidays.
- Students may be eligible for a \$1000 scholarship

ITA Youth Train - Dual Credit Opportunities

Consider the following:

- Students take college courses and/or programs while in high school
- Students earn credits at both institutions
- Students typically spend one semester of Grade 12 in a program or course at the college
- Tuition is covered as well as necessary safety certification costs
- Provides a seamless transition from high school to College or University

Dual Credit Trades and Technical Programs

- Applied Business Technology
- Automotive Service Technician (Mechanic)
- Business Management Certificate
- Commercial Transport Technician (Mechanic)
- Cook Training
- Educational Assistant
- Electrician
- Esthetics and Cosmetology
- Hairdressing - at NPSS
- Health Care Assistant
- Heavy Duty Technician
- Information and Communication Technology
- Millwright
- Oil and Gas Operations
- Plumber
- Power Engineering and Gas Processing
- Practical Nursing
- Residential Construction (Carpentry)
- Steamfitter / Pipefitter
- Visual Arts
- Welding "C" Ticket
- Wind Turbine Maintenance

UNIVERSITY ARTS AND SCIENCE

Students take university level courses at Northern Lights College and the credits count towards their graduation from NPSS and count towards their first year at college or university. The following courses are available:

- Biology 102, etc
- Computer Science
- Criminology 101
- English 100
- Management 103, etc
- Math 101
- Psychology 101
- Sociology 101
- any other college level programming for which the student meets entrance requirements.

In the Past, students have taken Economics 105 or History 104, for example.

Now is the time to think ahead!

This is the time to be thinking ahead a few years to ensure that you cover prerequisites necessary for your desired career program.

GRADUATION PROGRAM ASSESSMENTS

There are three Provincial Graduation Assessments, the Graduation Numeracy Assessment in Grade 10 and the Graduation Literacy Assessments in Grade 10 and in Grade 12. Students must complete both the Graduation Numeracy Assessment and Graduation Literacy Assessments as a requirement for graduation. There will be an opportunity for students to rewrite the Provincial Graduation Assessments to improve their achievement level. The best outcome for each of the Provincial Graduation Assessments will be recorded on the student's transcripts.

GENERAL COURSE DESCRIPTIONS (BY DEPARTMENT)

CHOICE 11 & 12 (YMIS-1CFL2)

NPSS CHOICE is a 2-credit, year long course wherein students meet for a 1 hour block of time every Thursday morning following period 1. The CHOICE block has been added to the timetable to provide an opportunity within the school week for all students and teachers to connect to: explore enrichment & genius hour opportunities, classroom extensions, to revisit concepts that have not yet been mastered, to make up missing assessments or to work on projects. Each grade level also has a specific online component that they must complete to ensure that all students of NPSS are exposed to important and educational online training. Assessment for the course is based upon student choice, goal setting and completion of the online component.

ENGLISH (COMPOSITION)

LITERACY STRATEGIES 10 (YPA--0AFLVLS)

This course is designed to meet the academic needs of students with learning difficulties. It provides direct instruction in a safe environment, where students can practice effective learning skills and strategies needed to become independent and successful learners, especially in the areas of reading, writing, researching, organization and self advocacy. The primary focus for students taking this course at the Grade 10 level will be intense instruction in various organizational and study skill techniques, support with literacy strategy and skill implementation, introduction to specific, high impact strategies that will assist them in regular coursework requiring adept literacy skills and assistance in fostering social relationships.

COMPOSITION 11 (MCMPS11)

Formally *English 11*, Composition 11 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.

COMPOSITION 12 (MCMPS12)

Formerly *English 12*, Composition 12 is designed to support students in their refinement and pursuit of mastery of written communication. Students will read and study exemplary 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, with increasing independence and self-sufficiency, to study, create, and write original and authentic pieces for a range of purposes and audiences using real-world applications with impact and effectiveness. They will develop their craft through processes of drafting, reflecting, and revising to build a body of publishable work that demonstrates breadth, depth, and evidence of sophisticated and specialized writing for a range of situations.

COMPOSITION 12: FOCUSED LITERARY STUDIES WITH LITERATURE 12 OPTION (MCMPS12FLVLIT)

Formerly *English 12*, Composition 12: Focused Literary Studies teaches criteria to evaluate a variety of texts as well as teaching students to improve various communication skills. At the end of the course, students should be able to report meaningfully on what has been read or heard, with accuracy, precision and style, using well supported, clear, and logical ideas. Ultimately, this course is designed to adequately prepare students for post-secondary education, at either a college or university level. The focused literary studies stream will provide opportunities for students to explore the development of English literary traditions from the medieval Anglo-saxon period to the present day. Students who have already attained credit for English 12 may take this as an elective course and receive credit for Literature 12. Within the context of English literature textual studies, students will have the opportunity to choose between two modes of response: academic composition (academic essay or paragraph writing) or creative writing (descriptive paragraph writing; journal writing; fiction writing, etc).

COMPOSITION 11/12 MUSICAL THEATRE (8 CREDITS)

COMPOSITION 11/12/TECHNICAL THEATRE PRODUCTION (8 CREDITS)

Students who are choosing Music Theatre or Theatre Production, will be in a cohort of students that are together all afternoon and will take both Music Theatre/Theatre Production and their grade level English class together.

(MCMPS11FLVMT/MCMPS12FLVMT) (MCMPS11FLVTP/MCMPS12FLVTP)

LITERARY STUDIES 12 (MLTST12)

This course is a study of English Literature from Anglo-Saxon times until World War I. The course enables students to study individual authors in relation to the times in which they lived and to look at the social history of England in order to see how events inspired writers to comment on society.

LANGUAGES

FRENCH 10 (MFR--10)

Students will develop their listening, speaking, reading, and writing skills using a variety of resources (movies, comics, newspapers, Internet articles, etc.) to convey information orally and in writing.

FRENCH 11 (MFR--11)

Students will continue to expand their listening, speaking, reading, and writing skills using a variety of resources to convey information orally and in writing. *Check with BC universities to see which faculties still have a language 11 requirement.*

FRENCH 12 (MFR--12)

French 12 is a course that will sharpen students' listening, speaking, reading, and writing skills using a variety of resources to convey information orally and in the written form. French 12 will focus on grammatical development and an appreciation of French literature. French can be used as an academic requirement for university.

INTRODUCTORY GERMAN 11 (MBGE-11)

This course is an introduction to the basics of German language and culture. Students will learn vocabulary for conversations, read small texts, and write brief paragraphs, as well as explore interesting aspects of German culture.

GERMAN 11 (MGE--11)

In German 11, we will continue with the language and cultural studies of Germany. This course builds upon the skills developed in MBGE 11. Students continue to utilize the same workbook as they used in BGE 11. *Check with BC universities to see which faculties still have a language 11 requirement.*

GERMAN 12 (MGE--12)

During this class, students will hone and refine their speaking and writing abilities. We will go beyond the textbook and begin to look at some literary selections. This course builds upon the skills developed in German 11. Deutsche Muttersprachler sind auch herzlich eingeladen.

INTRODUCTORY SPANISH 11 (MBSP-11)

This course is the first step in learning one of the most popular languages in the world! Students with little or no experience in Spanish learn basic communication and writing skills while studying the diversity of Hispanic culture through song, dance, literature and film.

SPANISH 11 (MSP--11)

In Spanish 11, students improve their written and oral communication skills, building on those developed in MBSP 11. Students continue to study Hispanic culture in depth, including a variety of contemporary issues in the Spanish-speaking world. *Check with BC universities to see which faculties still have a language 11 requirement.*

SPANISH 12 (MSP--12)

Spanish 12 takes communication skills to the next level! In this immersion-style course, students

are expected to use Spanish in common situations, as well as in unexpected ones. Reading, writing and listening skills are also a focus. Spanish 12 challenges students to speak only Spanish in class and seek out opportunities to hear and use the language outside the classroom.

FRENCH IMMERSION COURSES

LANGUE ET CULTURE DE LA FRANCOPHONIE 11 (FLCF-11) French Immersion Only.

Ce cours donne à l'élève l'occasion de développer les quatre savoirs: l'écoute, l'expression orale, l'écriture et la lecture. Le cours a également pour but l'appréciation de la culture littéraire de la langue française. Il expose l'élève à la pensée du peuple francophone à travers l'étude de la nouvelle, du roman, de la poésie, du film et de la publicité.

FRANÇAISE LANGUE 12 (FFRAL12) French Immersion Only.

Cette classe suit les exigences du ministère de l'éducation en étudiant le texte et en lisant parmi une sélection de livres qui aident l'élève à comprendre et à apprécier la littérature et la culture française. Les étudiants l'étudieront avec une insistance sur la langue écrite, en continuant avec leur travaux de compréhension orale. **Cette classe se termine avec un examen provincial obligatoire qui vaut 40% de la note finale.**

EXPLORATIONS SC. HUMAINES ET SOC. 11 (FEPSS11) French Immersion Only.

Ce cours examine les événements, les conflits et les transformations du monde pendant des 20ème et 21ème siècles. En explorant la montée des mouvements idéologiques comme le nationalisme, le socialisme, le communisme, et la démocratie, on aussi examine l'effet que ces idéologies, ainsi que les régimes totalitaires, ont eu sur le monde et comment ils ont déclenché la chute de l'impérialisme et la montée des nouveaux systèmes politiques et économiques.

LANGUAGE AND CULTURAL STUDIES 11/12 (YLOE11B, YLOE12B) French Immersion Only.

Students will learn about the cultural traditions, language, and customs of a francophone in other parts of the world. Students will learn how to plan, budget and schedule a complex excursion where they will become immersed in another culture.

SOCIAL STUDIES

ABORIGINAL CULTURE: LEARNING FROM THE ELDERS 11/12 (YAES-1A, YAES-2A)

This course is designed to honour and respect the traditional learning of those students who participate in cultural activities with their Bands and Elders within the territory of Treaty 8. The involvement of Elders and knowledge keepers is key to providing understanding and representation of cultural protocols. Students enrolled in this course will spend time with an Elder, learning traditional ways and developing an understanding of the indigenous worldviews associated with their Nation. Students will participate in classroom and placed based learning activities and will show their understanding of traditional knowledge by demonstration, video, photography or storytelling. Learning is holistic and this course will help students gain understanding and appreciation for connectedness and relationship to oneself, family, community, culture and natural world.

BC FIRST PEOPLES 12 (MBCFP12)

This fascinating course examines a variety of topics about British Columbia's First Peoples. This includes learning about the traditional territories of the B.C. First Nations and relationships with the land, role of oral tradition for B.C. First Peoples, impact of historical exchanges of ideas, practices, and materials among local B.C. First Peoples and with non-indigenous peoples. The course also covers provincial and federal government policies and practices that have affected, and continue to affect, the responses of B.C. First Peoples to colonialism and resistance of B.C. First Peoples to colonialism. Other areas that are covered are the role and significance of media in challenging and supporting the continuity of culture, language, and self-determination of B.C. First Peoples, commonalities and differences between governance systems of traditional and contemporary B.C. First Peoples.

COMPARATIVE CULTURES 12 (MCMCL12)

This exciting history course examines significant past cultures such as Egyptian, Greek, Roman, Meso-American, and the Middle Ages. This course requires reading competency and will require the submission of several projects. This course requires reading competency and will require the submission of several projects. Although this course is of benefit to those who anticipate further academic studies, it is also relevant to those who have a general interest in past cultures and civilizations.

EXPLORATIONS IN SOCIAL STUDIES 11 (MEPSS11)

This course covers a variety of topics that include historical events, social, cultural, or technological innovations and developments in the modern age, current issues in politics as represented in mass media, an introduction to law, past cultures and economics.

INDIGENOUS STUDIES 12: CONTEMPORARY (MINST12)

This is an exciting course for ALL students. The course includes a variety of activities and visual aids to gain an understanding of Indigenous cultures. The course will explore topics such as indigenous history (recorded and oral), legends and myths, relationships to the natural world, treaties, and self-government. Other topics included role of value systems and belief systems in the development of cultures and interactions between cultures and the natural environment.

LAW STUDIES 12 (MLST-12)

This course is highly relevant and gives students an introduction into the law. Besides learning about the foundations of law in Canada, students will make inquiries into injury law, legal contracts, family law, criminal law, forensic science and investigations. We will also look at famous past cases and examine the role of the law in modern culture. This is an excellent course for anyone considering the multitude of careers in this field and equips students with a solid understanding of the law.

POLITICAL STUDIES 12 (MPLST12)

This course offers students the opportunity to deliberate individually and with others on political issues and ideas. This will help students prepare for our political world, helps them to better understand government and the extensive role that it plays in our personal lives and our careers. This is an excellent course for students considering careers in government, law, business and is of benefit to those who anticipate further academic studies in politics.

WORLD HISTORY: 20th CENTURY (MWH--12)

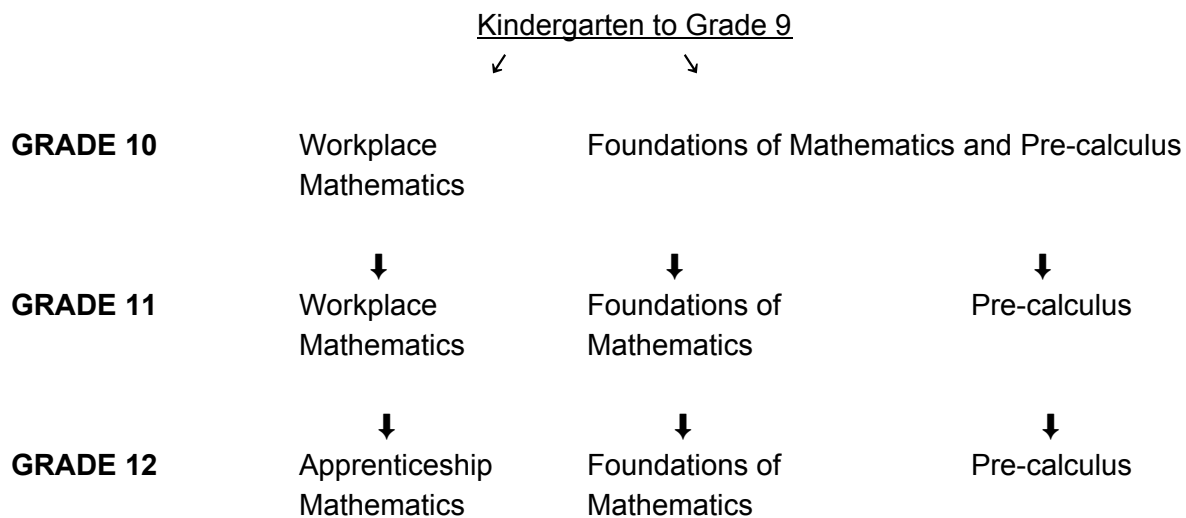
This is a modern history course dealing with a variety of topics from the last two centuries. Topics include global conflicts, including World War I, World War II, and the Cold War, the rise and rule of authoritarian governments, civil wars, independence movements, and revolution, human rights movements, including those of indigenous peoples, religious, ethnic, and/or cultural conflicts, including genocide. This course requires reading competency and will require the submission of several projects. Although this course is of benefit to those who anticipate further academic studies, it is also relevant to those who have a general interest in world affairs.

MATHEMATICS

Students Entering Grade 10 Mathematics in 2019/2020

Pathways and Topics

The Common Curriculum Framework for Grades 10–12 Mathematics includes pathways and topics rather than strands as in *The Common Curriculum Framework for K–9 Mathematics*. Three pathways are available: Apprenticeship and Workplace Mathematics, Foundations of Mathematics, and Pre-Calculus. A common Grade 10 course (Foundations of Mathematics and Pre-calculus, Grade 10) is the starting point for the Foundations of Mathematics pathway and the Pre-calculus pathway. Each topic area requires that students develop a conceptual knowledge base and skill set that will be useful to whatever pathway they have chosen. The topics covered within a pathway are meant to build upon previous knowledge and to progress from simple to more complex conceptual understandings.



Goals of Pathways

The goals of all three pathways are to provide prerequisite attitudes, knowledge, skills and understandings for specific post-secondary programs or direct entry into the workforce. All three pathways provide students with mathematical understandings and critical-thinking skills. It is the choice of topics through which those understandings and skills are developed that varies among pathways. When choosing a pathway, students should consider their interests, both current and future. Students, parents and educators are encouraged to research the admission requirements for post-secondary programs of study as they vary by institution and by year.

NUMERACY STRATEGIES 10 (YPA--0BFLVNS)

This course has been developed to provide instruction to students who have not yet been successful at the Math 9 level. Instruction focuses on teaching skills and strategies; which would enable students to become more effective and independent learners. Emphasis is placed on the transfer of these skills and strategies to regular course subject areas requiring numeracy skills to be successful. The primary focus for students taking this course will be organizational and study skill techniques, support with numeracy strategy and skill implementation, introduction to specific high impact strategies that will assist them in regular coursework requiring adept numeracy skills, and assistance in fostering social relationships.

APPRENTICESHIP AND WORKPLACE MATHEMATICS PATHWAY

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into the majority of trades and for direct entry into the workforce. Topics include algebra, geometry, measurement, number, statistics and probability.

WORKPLACE MATHEMATICS 11 (MWPM-11)

This course is strongly recommended for students who are planning on entering the workforce directly after high school, or who are planning on pursuing a career in the trades industries. Topics covered may include reasoning, rates of change, measurement, and statistics. Students who successfully master the learning outcomes of this course may continue on to Apprentice Mathematics 12. This course satisfies the Ministry of Education's mathematics graduation requirements. **A scientific calculator is required for this course, however a graphing calculator is recommended**

APPRENTICESHIP MATHEMATICS 12 (MAPPR12)

Topics covered in this course include: measurement, geometry, algebra, statistics, and probability, with many problems based in real-world situations. **A scientific calculator is required for this course, however a graphing calculator is recommended.**

FOUNDATIONS OF MATHEMATICS PATHWAY

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus. Topics include financial mathematics, geometry, measurement, number, logical reasoning, relations and functions, statistics and probability.

FOUNDATIONS OF MATHEMATICS 11 (MFOM-11)

This course is strongly recommended for students who are planning on pursuing post-secondary studies in the arts or the humanities. Topics studied may include logic and reasoning, functions, geometry, and statistics. Students who successfully master the learning outcomes of this course may continue on to Foundations of Mathematics 12. This course satisfies the Ministry of Education's mathematics graduation requirements. Students who are planning on pursuing post-secondary studies in math or sciences should take Pre-calculus 11. **A scientific calculator is required for this course, however a graphing calculator is recommended.**

FOUNDATIONS OF MATHEMATICS 12 (MFOM-12)

A strong background in Foundations 11 is recommended before taking this course. Topics covered in this course include: financial mathematics, probability, logical reasoning, relations and functions, and a mathematics research project. **A scientific calculator is required for this**

course, however a graphing calculator is recommended.

PRE-CALCULUS PATHWAY

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus. Topics include algebra and number, measurement, relations and functions, trigonometry, and permutations, combinations and binomial theorem.

PRE-CALCULUS 11 (MPREC11)

This course is strongly recommended for students who are planning on pursuing post-secondary studies in math or sciences. Topics covered may include relations and functions, trigonometry, polynomial functions, and graphing. Students who successfully master the learning outcomes of this course may continue on to Pre-calculus 12. This course satisfies the Ministry of Education's mathematics graduation requirements. Students who are planning on pursuing post-secondary studies in the arts or the humanities should take Foundations of Mathematics 11. **A scientific calculator is required for this course, however a graphing calculator is recommended.**

PRE-CALCULUS 12 (MPREC12)

A strong background in Pre-Calculus 11 is recommended before taking this course. Topics covered in this course include: trigonometry (trig identities, angles in standard position, degrees and radians); permutations, combinations, and binomial theorem; relations and functions (exponential, logarithmic, polynomial, rational and radical functions), horizontal and vertical translations, reflections, and inverses. **A graphing calculator is required for this course.**

CALCULUS 12 (MCALC12)

Many mathematicians feel that the invention of calculus is one of the truly significant human intellectual achievements. Calculus can help you graph curves accurately, find the area of an irregular region, and solve complex mathematical problems. In this course, differentiation, integration, and some of their practical applications will be studied. **A graphing calculator is required for this course.** This course is NOT a prerequisite for first year mathematics courses at any BC post-secondary institutions, but is accepted in Alberta as equivalent to Math 31. Pre-Calculus 12 must be completed in Semester 1 to be eligible to register for Calculus 12 in Semester 2. This is a rigorous, challenging course aimed at students with a high ability and passion for mathematics. The ability to think in abstraction is essential.

Check before you buy your calculator to ensure you have the one appropriate to the Math or Science course you are taking.

SCIENCE

All students must choose at least one Science 11 or 12 course to meet graduation requirements. These can be chosen to satisfy a specific area of interest or may fulfill prerequisites for post-secondary entrance in some faculties.

LIFE SCIENCES 11 (MLFSC11) (WAS BI 11)

Life Sciences 11 is an introduction to the study of living organisms. Students use direct observation, microscopes, and dissection in the laboratory to investigate most of the major categories of living things on Earth. Major themes include: cell structure and function, the organization of life, trends in complexity, and evolution. Students should expect a combination

of traditional tests and project-based assignments.

ANATOMY AND PHYSIOLOGY 12 (MATPH12) (WAS Bi 12)

The theme of Anatomy and Physiology 12 is how the human body maintains the conditions necessary for life. The course begins with an in-depth study of the cell structure and function including: molecular biology, cell anatomy, and biochemical processes. The second portion of the course is a detailed study of the structure and function of the major systems of the human body. Dissection of a mammal is included. ***Chemistry 11 is recommended for a good understanding of the biochemistry section and should be taken before Biology 12.***

CHEMISTRY 11 (MCH--11)

Chemistry 11 provides an introductory survey of the principles and knowledge of chemistry. Major themes are the structure of matter, chemical reactions, and related calculations. Students study atomic theory, the bonding of atoms, the Periodic Table, and naming of organic and inorganic compounds. They also learn about the properties of important groups of substances and perform lab experiments to reinforce their learning. An important part of study is quantitative chemistry, which involves calculations of amounts of substances involved in chemical reactions. ***Students should be capable of handling basic algebra at the Pre-Calculus Math 11 level.*** Students should expect regular assignments, written lab reports, and chemical calculations.

CHEMISTRY 12 (MCH--12)

Chemistry 12 is intended for students who have shown an aptitude for the subject and plan to take Chemistry and related courses at the post-secondary level. Problem solving and lab work is much more prevalent than in Chemistry 11 and a good understanding of mathematics is essential. The course contains laboratory investigation of topic areas including reaction kinetics, solubility principles, chemical equilibrium, acids and bases, and oxidation-reduction reactions. ***Due to a large number of mathematical calculations in the course, students should have a strong standing in Pre Calculus 11 and Chemistry 11.***

EARTH SCIENCES 11 (MESC-11)

Earth Science is a study of the Earth, its geological process, and its relationship to the solar system and universe. Course themes include Earth's materials, plate tectonics, earthquakes, volcanoes, the atmosphere and climate change, hydrology, and the development of our planet and solar system. Course activities include labs and mineral and rock identification. The course is good preparation for Geography 12 and Geology 12.

ENVIRONMENTAL SCIENCE 11 (MEVSC11)

This exciting new science elective has just been added to the provincial curriculum. The course focuses on diversity, processes, changes, and sustainability in local ecosystems, as well as conservation and restoration of habitats. A significant portion of the coursework will focus on project-based learning, using local environmental issues as launch points for discussions. Students should expect multiple field trips such as Charlie Lake and Fish Creek Community Forest to examine habitats in the North Peace Region.

ENVIRONMENTAL SCIENCE 12 (MEVSC12)

This new science elective will expand students' world-view as it prepares them for

post-secondary ecological and environmental resource studies. The course focuses on global issues, including water systems, sustainable land use, climate change, and environmental ethics. Students should expect project-based learning assessments to demonstrate their understanding of issues that will affect the physical world around them.

GEOLOGY 12 (MGEOL12)

This is a science course for those students interested in mining, oil and gas, or environmental science. Specific topics include: minerals, rocks, erosion, weathering, volcanoes, earthquakes, plate tectonics, fossils, geological time, ores and ore bodies, coal/oil/gas formation. Local geology is a main course theme, followed by BC, Canadian and North American geology. Notes, labs and field trips make up most of the learning experiences.

PHYSICS 11 (MPH--11)

Physics is the science that examines the ‘mechanics’ of the physical world around us. This course is suitable for students with a *strong background in math* and interests in science, mathematics, and engineering. Experiments will be done on a regular basis to enable students to bridge the gap between the real world and the abstract world of mathematics. Topics will include motion (kinematics and dynamics), energy, waves, and electricity. Students should expect regular assignments, lab work and many mathematical calculations. An understanding of rearranging formulas is crucial. ***This course builds upon the skills developed in Science 10 and Foundations of Mathematics and Pre-calculus 10.***

PHYSICS 12 (MPH--12)

This is a rigorous course that requires **strong** math and problem solving skills. It continues the study of dynamics and energy that started in Physics 11, and then focuses on equilibrium, circular motion, electrostatics, electromagnetism and relativity. The emphasis of the course is the practical use of the methods and formulae of physics to explain the behaviour of the physical universe. Students should expect regular assignments, lab work, and many mathematical calculations. ***Students should not start this course before completing Pre-Calculus Math 11 and Physics 11.***

SCIENCE FOR CITIZENS 11 (MSCCT11)

Areas of study include: OHAS, communication in Science, Science in the workplace, local and global issues in Science.

This course uses a *hands-on approach* to studying science that will affect students in their personal lives and in the workplace. The course focuses on building skills required for making evidence-based decisions, as well as practical applications of science. Areas of study include: OHAS, communication in Science, Science in the workplace, local and global issues in Science. Please note that although MSCCT11 is recognized as a Grade 11 science course for the purpose of graduation, it is NOT recognized by universities for admission purposes.

PHYSICAL AND HEALTH EDUCATION

ACTIVE LIVING 11 (MACLV11)

In this course, students will develop, refine and apply a variety of technical and tactical skills required to have success and enjoyment in a variety of physical activities. Students will engage in a variety of active health and fitness activities to increase confidence and to encourage lifelong

participation in sport and physical activity. Assessment will be based on leadership, participation and effort, as well as the development of the requisite skills in each activity.

ACTIVE LIVING 12 (MACLV12)

In this course, students will develop, refine and apply a variety of technical and tactical skills required to have success and enjoyment in a variety of physical activities. Students will engage in a variety of active health and fitness activities to increase confidence and to encourage lifelong participation in sport and physical activity. Assessment will be based on leadership, participation and effort.

ACTIVE LIVING 11 – HOCKEY OPTION (MACLV11FLVHOC)

Option 1: Northern Skills Development Program. The NSDP has been developed to offer elite student hockey players an individualized training program as well as team-based development. It was developed in partnership with the NEBC Midget Trackers hockey team and Fort St. John Minor Hockey. A majority of student/players that attend the program are selected through the NEBC Trackers tryouts. We can only take a maximum of 30 as that is the class size limit. Participants will develop hockey skills, fitness, training knowledge, strategic teamwork skills and nutritional information. Instruction will take place during on-ice sessions and off-ice training sessions. This course will be offered to NPSS and ELC Students. **It will run from 8:00 to 9:20 a.m. Monday through Thursday.** All Participants will be required to bring equipment to go on the ice from Monday to Thursday each week. **Friday will be in the Field House for a minor games DPA – 8:40am to 9:30am.** Off ice sessions will be held in the Training room at the Pomeroy Sports Centre on Tuesday, Wednesday and Thursday from 3:30 – 4:30pm. All student athletes will be responsible for transportation to and from the PSC. The grade 11 and 12 students in the NSDP are asked to take the Fit and Conditioning 11 or 12 course in the second semester (not required).

Option 2: Recreational Hockey Class. This class has been developed for all students to have the opportunity to play hockey while getting a PE credit. It is designed for all skill levels and is open to all NPSS students. Participants will develop hockey skills, fitness training, and teamwork skills. Instruction will take place during on-ice sessions, and off-ice training sessions. **On ice sessions will run from 8:20 to 9:20 a.m. Tuesday and Thursday. Weight room sessions Monday and Wednesday from 8:40am to 9:30am in Pomeroy Sports Centre. Friday will be in the Field House for a minor games DPA – 8:40am to 9:30am.** All Participants will be required to bring their own equipment to go on the ice each week. This course will run for the first semester. All student athletes will be responsible for transportation to and from the PSC.

ACTIVE LIVING 12 – HOCKEY OPTION (MACLV12FLVHOC)

Students who want to participate in the Hockey Option programs for a second year may register for this course. See **ACTIVE LIVING 11 – HOCKEY OPTION (MACLV11FLVHOC)** for descriptions.

ACTIVE LIVING 12 - LIFEGUARD (MACLV12FLVLG)

Students will have an opportunity to complete their National Lifeguard certification. This course will involve students taking their Bronze Medallion, Bronze Cross, Standard First Aid and National Lifeguard Course. It will involve both pool and classroom portions. Students will be expected to meet at the pool for the class, which will run in Semester 1 Period 1 and then be able

to make their own way back to main class for their other classes. There may be some fees attached to the program.

ACTIVE LIVING 12 - (MACLV12FLVBB)VOLLEYBALL/BASKETBALL

This course is structured for those students who have an interest in developing their skills, knowledge, attitude and conditioning through volleyball and basketball. The skills and gameplay portion will take place in the gym, while dry land training including weights, plyometric, as well as anaerobic and aerobic conditioning, will make up the fitness component of the course and take place in the weight room. On and off the court, students will be required to demonstrate positive attitudes toward all aspects of volleyball and basketball, including positive role modeling, physical training, and academic success.

FITNESS AND CONDITIONING 11 (MFTCD11)

This course is designed for students who have an interest in enhancing and maintaining their health and fitness. In addition to a weight room component that includes weightlifting, plyometrics and conditioning, students will learn the principles of program design including goal setting, training principles and specificity. Alternative fitness activities including yoga, spin etc. will also be offered.

FITNESS AND CONDITIONING 12 (MFTCD12)

This course is designed to build on the concepts taught in Fitness and Conditioning 11. In addition to a weightroom component that includes weightlifting, plyometrics and conditioning, students will create, implement and reflect on a personalized fitness program and develop, refine and apply their knowledge of the body and energy systems as it pertains to their own goals. Alternative fitness activities including yoga, spin, etc. will also be offered.

OUTDOOR EDUCATION 11 (MODED11)

This course is designed to introduce students to outdoor education. The aim of the program is to give students a rich understanding of outdoor skills, risk management, preparation, leadership and teamwork. Students will learn and develop practical skills in outdoor physical activity, first aid and emergency situations, survival skills and seasonal shelter construction techniques. Students will also learn First Nations traditional methods for survival in Canada which will teach them to evaluate the environment and apply learned skills. In addition, students will also learn about group dynamics and leadership, outdoor survival techniques, equipment use and care, trip planning and emergency management skills. Physical fitness, health and personal safety will play an important role in the course with three days per week participating in outdoor activities and two in-class sessions per week. There are numerous class trips booked for the semester including hiking, canoeing, skiing, fishing and survival seminars. In addition, there are multiple local excursions which pair with the learning outcomes for the course. This course is open to any student interested in outdoor pursuits. **This course meets the applied skills requirement for graduation.**

OUTDOOR EDUCATION 12 (MODED12)

This course is designed to deepen and extend student knowledge of survival based outdoor skills. This program will give students a rich understanding of outdoor skills, risk management, planning, preparation, group leadership, as well as, leave no trace and respecting cultural aspects of the outdoors. Students will learn and develop practical skills in outdoor planning and

organization, a variety of outdoor navigation and transportation methods, shelter construction and sustainable wilderness survival techniques. This course is geared for students who wish to gain deeper knowledge on learning detailed outdoor planning, safety and how to respond to emergency situations. This would be particularly useful for those who plan to work in the outdoors or enjoy outdoor activities as lifelong pursuits. Proper clothing and equipment will be assets to an enjoyable experience in the course. Students wishing to take on this course will enjoy several trips (two overnight) including: temperate shelter camping, hiking, skiing, fishing, winter camping, as well as, additional extracurricular opportunities.

BAA YOGA 12 (YLRA-2E)

This course will consist of a variety of units with a strong focus on the physical form of yoga. Yoga practices will consist of several lineages of yoga including Vinyasa, Yin, and Restorative. With these types of activities the students will learn how to explore the fluidity of movement, breathing practices, and self reflection; each relating to maintaining a healthy lifestyle. Students will also examine the relationship between mental and physical health. Individual reflections will be part of this course.

PERSONAL DEVELOPMENT

CAREER LIFE CONNECTIONS 12 (MCLC-12) This is a required course for graduation, replacing the former Grad Transitions 12 course. This course builds upon the career-life skills from CLE 10. Students will develop a personal capstone project which will demonstrate their interests and career-life goals. Students will present their project at the end of the course for evaluation.

PEER TUTOR 11/12 (YED--1B, YED--2B)

Peer tutor is an elective course for students interested in tutoring students. Tutors will receive instruction and training prior to be placed in a classroom. Potential tutors are expected to be able to assist students in at least two subject areas. Tutors will work with students in a designated classroom during their peer tutoring period. They assist the teacher in providing academic and organizational skills to students. For more specific information, please contact your Counsellor. **This course does not meet the applied skills requirement for graduation.**

STUDENT LEADERSHIP 11/12 (YIPS-1A/YIPS-2A)

The main focus of this course is to develop skills in the areas of public speaking, teamwork, time management, organization, and leadership. These skills are demonstrated by planning various events/activities for the school as well as helping out in the community. The students should be prepared to work on activities both during school hours and outside of school time, throughout the whole year. Class time consists of formal meetings, group activities, and working on various events/projects. Leadership 12 students will be required to take more responsibility for the organization of activities and will need to apply the skills learned in Leadership 11. **Student Leadership 11 meets the applied skills requirement for graduation. Student Leadership 12 does not meet the applied skills requirement for graduation.**

BUSINESS EDUCATION AND COMPUTER

ACCOUNTING 11 (MAC--11)

Accounting 11 is an introductory course in basic bookkeeping, which explores why and how financial information is kept. Students learn to apply accounting principles to a variety of service and merchandising business examples. You will learn hands on how to build and run accounting systems using Excel which can be customized to fit your needs as a business operator or just managing your personal finances. Accounting involves recording the daily financial information about a business and then summarizing and reporting this information for analysis and decision-making. *Some important reasons why students should learn accounting are:*

- it is one of the fastest growing professions.
- it is a necessary knowledge for those who want to own or manage a business.
- employers value employees who understand accounting practices.
- it enables you to handle your own personal business affairs.

This course meets the applied skills requirement for graduation.

ACCOUNTING 12 (MACC-12)

This course will build on the concepts learned in Accounting 11. The course is designed to deepen understanding in the skills needed to meet the challenges faced by accounting professionals and business owners in today's society. Looking at accounting systems, you will learn how to analyze today's company financial statements and uncover the numerical engineering behind business operation and gain understanding on how to become a successful business person. We will be looking at how customer transactions take place, merchandise accounting and accounting using computer systems for those interested in commerce for their academic careers. This course is delivered as a dual credit program with Northern Lights College for those interested in continuing with the program in post-secondary education.

This course meets the applied skills requirement for graduation.

COMPUTER ANIMATION 11 (YCCT-1A) - Main Campus Only

This locally developed course gives the student an opportunity to gain insight into the film, special effects and animation industries. This is a course for creative students who wish to develop their filmmaking skills. Students will learn how to communicate through drawing, build unique digital 3D models, and create short animation samples.

DIGITAL MEDIA DEVELOPMENT 12: COMPUTER ANIMATION (MDMD-12)

This course builds upon the skills gained in Computer Animation 11. Students will apply their animation skills to the development of a portfolio of work suitable for an audience. They will research emerging technologies and industry trends. Students will improve their drawing skills and collaborate on group projects.

ENTREPRENEURSHIP 12 (MENT-12)

This course introduces you to the world of small business. You will learn the skills needed to become a successful entrepreneur then apply these skills by creating, building and operating a small business. You will learn the fundamental skills needed to run and operate a fully functional business, including the crafting of your very own business plan. You will be executing this business in North Peace Secondary as a fully functional revenue generating enterprise. Running a business outside of class time will be essential in the success of your

venture which will ultimately teach you about the challenges and successes that Entrepreneurs face in the real world. **This course meets the applied skills requirement for graduation.**

INVESTMENT AND MONEY MANAGEMENT 11 (YBMO-1A)

The primary focus of this course is obtaining the knowledge for personal financial freedom. This course will help you to understand and plan for your financial future, teaching you how to become more prepared to manage your money. This course will help you develop knowledge and literacy to understand current financial conditions, products and planning skills. We will be learning about enhancing personal financial literacy, the banking system, how to become a savvy investor as well as personal money management. Students in this course will take on a class stock market competition and an investment based final project. **This course meets the applied skills requirement for graduation.**

MEDIA DESIGN 11 (MMEDD11)

Students will explore the world of digital media production. Students will expand their skills in image manipulation using the Adobe Creative Suite and digital photography. Students will study a variety of artists working with digital media. Projects include photo manipulation, typography, layout design and advertising. Students will have an opportunity to use the school digital cameras, or can provide their own.

MEDIA DESIGN 12 (MMEDD12)

This course builds upon the skills learned in Graphic Design 11. Students will continue to expand their design skills by using the Adobe Creative Suite. Students will explore design related careers and build upon their knowledge of photography. Emphasis will be placed on using graphic design elements and principles to create a professional portfolio suitable for presenting to a college, university or career interview.

TECHNOLOGY EDUCATION

AUTOMOTIVE TECHNOLOGY 11 (MTAUT11)

This course will introduce the student to the major components of an automobile while instilling proper shop safety and procedures. The units of study will include: workshop safety and maintenance; the use of hand and power tools; the use of precision measuring tools; vehicle layout, main systems and components; general vehicle maintenance; engine operation and service; braking systems; basic electricity and battery maintenance. Coveralls, appropriate clothing and safety glasses are required and must be worn at all times in the shop area. **This course meets the applied skills requirement for graduation.**

AUTOMOTIVE TECHNOLOGY 12 (MTAUT12)

This course builds upon the skills learned in Automotive Technology 11 delving deeper into more complex operations of a motor vehicle. Some of the topics included are: overhaul and repair, testing and servicing of electrical circuits, engine and vehicle modifications, inspection standards, vehicle diagnostic systems, advanced automotive tools and equipment, plus many other skills involved in the automotive industry. Coveralls (appropriate clothing) and safety glasses are required and must be worn at all times in the shop area. **This course meets the applied skills requirement for graduation.**

ENGINE AND DRIVETRAIN (MTEAD12)

This course is a continuation of Automotive Service Technology 11. Automotive Engine and Power Drive Train 12 continues to develop the skills and knowledge necessary to pursue a career in the automotive field. The program topics include:

- Composition of air and fossil fuels
- Gasoline, L.P.G., C.N.G.
- Operation and repair of clutches, transmissions, and drivelines
- Rotary engine construction and operation
- Diesel engine construction and performance
- Hybrid, Electric, Fuel Cell, Hydrogen powered engines
- Automatic Transmissions, and four wheel drives
- Power train electrical systems.

Coveralls (appropriate clothing) and safety glasses are required and must be worn at all times in the shop area. **This course meets the applied skills requirement for graduation.**

DRAFTING 11 (MTDRF11)

Drafting and Design 11 is an introductory drafting course designed for students planning careers in engineering technologies, construction or mechanical trades, surveying, interior design, etc. It is strongly recommended that students taking Grade 12 Technology Education courses take Drafting and Design 11. Some topics covered in this course are drafting fundamentals, design process, and application of computer technology. **This course meets the applied skills requirement for graduation.**

DRAFTING 12 (MTDRF12)

Drafting and Design 12 offers the student the opportunity to specialize in areas of drafting, which may be of special interest. This is an advanced course in graphic representation, which is designed for the students interested in mechanical drawing. Surface developments, auxiliary views, resolutions, cams, gears and fasteners are a few of the topics that will be explored. Computer assisted drafting will be used extensively throughout this course. *Students should have an introductory Drafting course before enrolling in MDDE 12.* **This course meets the applied skills requirement for graduation.**

ELECTRONICS 11 (MTELE11)

Electronics 11 enables students to understand how electronic systems and devices work, how they are applied in real world situations, and how they affect our society in many complex ways. The curriculum sets out the prescribed learning outcomes for an *introductory* Electronics program. It is designed to meet the needs of a broad spectrum of students, ranging from those who are not bound for a career in electronics to those who may eventually wish to pursue electronics engineering. It thus has a much broader focus than a course designed solely to align with post-secondary electronics technician curricula.

The curriculum stresses hands-on experimentation and project work as an effective means to focus attention on foundational theory, practical skills, and career, social, and ethical aspects of electronics. The course also incorporates robotics into the curriculum dealing with basic computer programming for robots to perform a variety of manual and automatic tasks.

The curriculum is aimed at motivating and engaging students in a way that:

- stimulates interest in the field of electronics and lifelong learning
- prepares for post-secondary education and careers related to electronics

- increases capability to integrate knowledge, skills, and ethics
- creates discerning users and critical assessors of technology
- increases capability to innovate, design, and create.

This course meets the applied skills requirement for graduation.

ELECTRONICS 12 (MTELE12)

The Electronics 12 curriculum builds on the Electronics 11 foundation and further integrates knowledge, skills, and critical thought through an emphasis on project design, production, and management. The course will have a focus on Integrated Circuits (IC) and learning some of the basics of programming. Students will be required to build a variety of projects utilizing programming software and IC computer chips. This course will also have a robotics component focusing on programming and feedback controls for robots to perform a variety of manual and automatic tasks. **This course meets the applied skills requirement for graduation.**

METALWORK 11 (MTMET11)

This is an introductory course in metalwork. Students will become familiar with all areas of the metal shop with an emphasis on safety and proper use of tools and equipment. This is a hands-on course where students will be expected to practice skills and produce projects for evaluation. **This course meets the applied skills requirement for graduation.**

METALWORK 12 (MTMET12)

Metals 12 is a senior course in general metal shop operations. Students will expand their knowledge in theoretical and practical aspects relating to the different processes of manipulating metal and complex metalworking and design. This course focuses on the incorporation of non-metal material in metal products; finishing purposes and processes; dimensional tolerance; and the operation, maintenance and adjustment of stationary powered and non-powered equipment. The students will demonstrate their proficiency through the construction of ‘precision’ projects involving a variety of shop operations. The ability to read complex drawings would be an asset in this shop-oriented course. *This course builds upon the skills developed in Metal Fabrication and Metals 11.*

MACHINING AND WELDING 12 (MTMAW12)

Advanced Machining and welding 12 is a senior course in machine shop operations. Students will expand their knowledge in theoretical and practical aspects relating to the lathe, milling machines, drill press, grinders, and available hand tools. On the welding side, Students will expand their knowledge and abilities in the theoretical and practical aspects relating to oxyacetylene welding, brazing and cutting, and arc welding. Projects will only be attempted in the latter portion of the course after the student has a thorough knowledge of welding and can consistently produce high quality work. The students will demonstrate their proficiency through the construction of ‘precision’ projects involving a variety of machine shop operations. The ability to read complex drawings would be an asset in this shop-oriented course. *This course builds upon the skills developed in Metal Fabrication and Machining 11.*

ROBOTICS 11 (MTROB11)

This course gives the student an opportunity to gain insight into the robotics, design and automation. This is a course for all students willing to put in class time. This course is projects based. Students will design, build, program and test robots for a variety of tasks. We will use 3D

printing to help build our robots. This course is for students that are self motivated and aren't afraid of things not working the first, second or eighth time. **This class uses VEX robotics as the basis.**

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WOODWORK 11 (MWWK-11)

This hands-on course will allow students to experiment with ideas, materials, and techniques while manufacturing projects of their own design. Upon completion of this course, students should be competent in the following areas: care and use of hand tools; techniques in planning/designing projects in wood; care and use of power tools and machines; manufacturing through mass production; basic drafting; basic blueprint reading; and, introduction to building construction. Students will learn the use of modern materials and finishes that are used in woodworking and home maintenance. Life-long skills, such as the ability to select furniture of good quality and the knowledge required to deal with everyday construction problems will be developed in this course. **This course meets the applied skills requirement for graduation.**

WOODWORK 12 (MWWK-12)

This hands-on course will build on the principles learned in CJ--11 and will allow students to experiment with ideas, materials, and techniques while manufacturing projects of their own design. Upon completion of this course, students should be competent in the following areas: care and use of hand tools; techniques in planning/designing projects in wood; care and use of power tools and machines; manufacturing through mass production; basic drafting; basic blueprint reading; and, introduction to building construction. Students will learn the use of modern materials and finishes that are used in woodworking and home maintenance. Life-long skills, such as the ability to select furniture of good quality and the knowledge required to deal with everyday construction problems will be developed in this course. It is recommended, but not a requirement, that students complete Drafting and Design 11 before doing MCJR 12. **This course meets the applied skills requirement for graduation.**

FURNITURE & CABINETS 12 (MTFAC12)

Upon completion of this course, students will have a basic knowledge of all available hand and power tools and their use in cabinet making. The course will also cover the following: construction of wood joints; use of joinery shop equipment; applying layout techniques; machine cabinet details; cabinet assembly; finish application; and, methods of cabinet installation. Students will design their own projects with the number of projects depending upon the size and degree of difficulty involved. *This course builds upon the skills developed in WOODWORK 11.* This course meets the applied skills requirement for graduation.

HOME ECONOMICS

CHILD DEVELOPMENT AND CAREGIVING 12 (MCDAC12)

Changing life-styles and relationships, family resource management, and housing and living environments are main areas of study in this course. Changes in family composition such as birth, death, divorce, separation, or elderly parent moving in, will be dealt with in terms of how the family is able to adjust. **This course meets the applied skills requirement for graduation.**

FOOD STUDIES 11 (MFOOD11)

An International Food Experience

This course is designed to give students the opportunity to learn and experience food preparation skills and techniques from various countries of the world. In the context of international foods, students will investigate safe food handling, recipe development, food security, nutrition, and meal planning. During the course of Food Studies 11, students will learn how to evaluate and refine their skills as they study about and prepare a variety of foods. **This course meets the applied skills requirement for graduation.**

FOOD STUDIES 12 (MFOOD12)

Food Studies 12 is geared for students willing to prepare food for visual appeal and perform independent research and projects. Topics include: Food Safe Certification, food preservation, advanced food preparation, multi-course meal development, recipe development, food related careers, and creative mystery labs. ***Students in Foods 12 must have prior food experience due to the advanced skills and knowledge required in this course.*** **This course meets the applied skills requirement for graduation.**

INTERPERSONAL AND FAMILY RELATIONSHIPS 11 (MIAFR11)

This course is designed to encourage students to use processes of decision-making, communicating, and problem solving in a wide variety of circumstances. Areas of study include adolescent and adult growth and development, personal resource management, relationships and social skills, and use of community resources, as they relate to adolescence and family. **This course meets the applied skills requirement for graduation.**

TEXTILES 11 (MTXT-11)

This course is designed to introduce and improve your skills in relation to sewing basics, fibers & fabrics, and using a pattern. Students will obtain the knowledge of art elements and principles of design and will be able to create attractive projects for home and personal use. Students will explore ways to repurpose textile items, how fashion is marketed, and the ethical issues behind producing textile items. **This course meets the applied skills requirement for graduation.**

TEXTILES 12 (MTXT-12)

Come and learn how to express yourself on a different canvas! Students will be given the opportunity to apply design elements and principles to a variety of textile projects. Students will create increasingly complex textile items, which allow them to refine and develop their understanding of different fibers, fabrics and design principles as well as various methods of construction. ***Students in Textiles 12 must have prior machine sewing experience due to the advanced skills and knowledge required in this course.*** **This course meets the applied skills requirement for graduation**

VISUAL AND PERFORMING ARTS

ART STUDIO 11 (MVA11)

This class explores a variety of ways of making art. The main purpose of this course is to learn the fundamental skills necessary for drawing, painting and building sculptures. Students can expect to be provided with opportunities to expand upon their current skill level no matter what their current ability. **This course meets the fine arts requirement for graduation.**

ART STUDIO 12 (MVA12)

This class expands the skills learned in Art Studio 11. Students will expand their understanding of drawing, painting and sculptural artwork. Students can expect to build their art skills using materials such as pencil, charcoal, pastel, watercolour and acrylic paint. **This course meets the fine arts requirement for graduation.**

DANCE 11/12: CHOREOGRAPHY (MDNC-11, MDNC-12)

Dance 11/12 is a course that will develop and build upon the fundamentals of dance, choreography and performance. It will encourage the physical, creative, intellectual, and social development of each student. Course components will include *Elements of Movement, Creation and Composition, Presentation and Performance* and a look at *Dance in Society*. Throughout the course students will study various styles of dance, including but not limited to ballet, jazz, lyrical, contemporary, hip hop, musical theatre, and tap. You do not need to have prior experience in dance to join this course.

DIRECTING AND SCRIPT DEVELOPMENT 11/12 (MDRDS11, MDRDS12)

Directing 11/12 is for those students who are interested in learning how to direct and design various types of scene work. In this course you will learn how to explore different ideas and perspectives of scene work as well as how to work collaboratively with actors and production teams. There will be a focus on leadership building activities, communication skills and technical design that will result in building final scenes to be showcased for an audience. There is no prerequisites for this course.

FILM STUDIES 12 (YVPA-2CFLVFS)

Do you love movies??

This course is designed for students who have a deep appreciation for film as an art form. The course will study examples of film but will also inquire into the technical aspects of production itself. Various elements, periods, styles and genres will also be considered during the course. Students will be viewing examples of film that have been commonly accepted as great works of film making. This is an excellent course for those who may be considering going into a film school and/or BC's film production industry.

FINE ARTS 11/12: PIT BAND (MIDS-1BFL2), (MIDS-2BFL2)

These are courses for instrumental, string, and keyboard players who wish to dedicate themselves to preparing and performing the music for the Musical Theatre production. This is primarily a 'performance' course. *Students wishing to take this course must audition with the director prior to the first class.* This course requires weekly evening rehearsals and numerous shows with the cast. **These courses meet the fine arts requirement for graduation.**

INSTRUMENTAL MUSIC 11/12: CONCERT BAND (MIMCB11), (MIMCB12)

Students will develop a keen interest in playing, advance technical ability and sense of ensemble playing, as well as develop a skill and appreciation, which will carry beyond secondary school. All students are required to participate in five public concerts throughout the year. Attendance at weekly evening rehearsals is required. **These courses meet the fine arts requirement for graduation.**

INSTRUMENTAL MUSIC 11/12: GUITAR (MIMG-11), (MIMG-12)

In this course, students will explore: basic chords, rhythms and music theory needed to perform selected classic popular song and write original compositions. Students will be required to perform in both private and public settings. Students will be required to play guitar music out of selected classical style method books. Although this course is open to all guitarists, the main focus is beginning guitar. Students must provide their own acoustic guitar. **This course meets the fine arts requirement for graduation.**

MUSIC 11/12: COMPOSITION AND PRODUCTION (MMUCP11), (MMUCP12)

Have you ever considered performing, recording or working in the music industry? In this course, you will learn: the “ins and outs” of the music industry, the technical aspects of sound systems used in “live performance” situations and explore different recording situations. You will work with modern, state of the art professional sound and recording equipment in a professional setting while also learning what is possible using a basic home computer. You will learn some techniques in music composition. There will also be some basic video production involved in the class. Although there is no prerequisite for this course, it is expected that students are able to work well with others and individually in different situations. **This course meets the fine arts requirement for graduation.**

MUSICAL THEATRE 11/12 (Combined with Composition 11/12) (MMUTH11/12)

If you've ever had the desire to sing, dance, and act in a major musical theatre production, then you've come to the right place. The course is a ‘production’ course. Students will be part of the cast of singers, dancers and actors in a large musical production, which will be presented in December at the Cultural Centre. All students enrolled in Musical Theatre must be serious about the production, attend all rehearsals (including afterschool and weekend rehearsals) and be willing to dedicate themselves to the production -- it is a time and energy consuming class. This class will be combined with an English counterpart in Project Based Learning guided studies. In particular, students will strengthen their comprehension skills, learn to respond with more critical awareness, increase their overall knowledge of language, improve their written composition skills, hone their communication strategies, and participate in community building activities in the classroom through their study of the Musical Theatre genre. Students who take this course will get credit for either English 10, 11 or 12.

STUDIO ARTS 11: 2D (MVAD-11) - Main Campus Only

Formally Drawing and Painting 11, Studio Arts 11:2D provides opportunities for students to engage in a focused and in-depth study of technical drawing and painting skills. Students will expand their technical skills no matter what level of experience they currently possess. We will be building our drawing and painting skills using materials such as pencil, charcoal, watercolour and acrylic paint. **This course meets the fine arts requirement for graduation.**

STUDIO ARTS 12: 2D (MVAD-12)

Students will expand upon the skills that were developed in Studio Arts 11: 2D. Formally Drawing and Painting 12, Studio Arts 12: 2D continues to provide opportunities for students to engage in a focused and in-depth study and the development of technical drawing and painting skills. Students will expand their technical skills and develop the skills using materials such as pastels, charcoal, pencil watercolour and acrylic paint. **This course meets the fine arts requirement for graduation.**

STUDIO ARTS 11: 3D (MVAC-11)

Formally Ceramics and Sculpture 11, Studio Arts 11: 3D provides students with the opportunity to engage in a focused and in-depth study of ceramics and pottery processes. Students will become knowledgeable and skillful in the materials and processes used in the development of 3-D art forms in clay. This will include the creation of freestanding hand built clay sculptures and functional clay items. Students are provided with opportunities to expand their technical skills no matter what level of experience they currently possess. **This course meets the fine arts requirement for graduation.**

STUDIO ARTS 12: 3D (MVAC-12)

This class expands the skills learned in Ceramics and Sculpture 11. Students will continue to develop their understanding of how to build with clay and make three-dimensional artwork. In addition students will continue to have the opportunity to further develop their understanding of pottery and assignments will build upon and expand confidence in working with sculptural materials. **This course meets the fine arts requirement for graduation.**

THEATRE COMPANY 11 (MDRTC11)

Acting 11 includes some creative drama, but more emphasis is on learning theatre skills. Students will work on voice improvement, characterization, and can be involved in a chosen production as they learn the skills of an actor. **This course meets the fine arts requirement for graduation.**

THEATRE COMPANY 12 (MDRTC12)

This senior course is designed specifically for the serious, mature lover of theatre, as it is performance based. This course hones characterization and script analysis skills. Topics of interest include acting techniques, Shakespeare, Commedia dell'arte, improvisation, directing, and audition techniques. This course may consist of play productions performed for public audiences. Students must be prepared to work hard as the course is production oriented and will offer a challenge. **This course meets the fine arts requirement for graduation.**

THEATRE PRODUCTION 11(MDRTP11) (Combined with Composition 11)

This course is for those students who have an interest in theatre and want to learn about 'backstage' life. Every element of theatre production will be covered except acting! Students will learn about set and prop building, scenic painting, set design, theatre management, lighting, sound, costuming, make-up, theatre history, and advertising a show. The fall class will design and build the complete set and props for the school's Musical Theatre production and have the chance to work the actual show in December. This class will be combined with an English counterpart in Project Based Learning guided studies. In particular, students will strengthen their

comprehension skills, learn to respond with more critical awareness, increase their overall knowledge of language, improve their written composition skills, hone their communication strategies, and participate in community building activities in the classroom through their study of the Musical Theatre genre. **This course meets the fine arts requirement for graduation.**

THEATRE PRODUCTION 12 (MDRTP12) (Combined with COMPOSITION 12)

This senior level course is for those students who may wish to pursue technical theatre or design as a career. Students in Technical Theatre 12 will coordinate projects worked on in preparation for the musical production in December. This class will be scheduled concurrently with the Theatre Production 11 class, as they will work together to prepare for the production. *This course builds upon the skills developed in Theatre Production 11.* This class will be combined with an English counterpart in Project Based Learning guided studies. In particular, students will strengthen their comprehension skills, learn to respond with more critical awareness, increase their overall knowledge of language, improve their written composition skills, hone their communication strategies, and participate in community building activities in the classroom through their study of the Musical Theatre genre. **This course meets the fine arts requirement for graduation.**

Graduation Program Planning Sheet

Graduation requires a minimum of 80 credits. (52 (13 courses) are required and a minimum of 28 are electives)

All compulsory courses must be completed. Those underlined Below.

At least 16 credits must be grade 12 level.

At least 4 credits must be a Arts Education or Applied Designs, Skills, or Technology in either grade 10, 11, or 12.

Grade 10 Years _____	Cr	Grade 11 Years _____	Cr	Grade 12 Years _____ (4 Gr. 12 level cour.)	Cr	
<u>Composition/Creative Writing 10</u>	4	<u>Composition 11</u>	4	Composition 12	4	
<u>Social Studies 10</u>	4	<u>A Social Studies 11/12</u>	4	12	4	
<u>A Math 10:</u> Workplace Found. of Math & PreCal	4	<u>A Math 11/12:</u> Pre Calculus Foundations of Math Workplace	4	12	4	
<u>Science 10</u>	4	<u>A Science 11/12</u>	4	12	4	
<u>Career Life Education 10</u>	4					
<u>Physical Health Education 10</u>	4					
CONNECT ED	2					
CHOICE 10	2	CHOICE 11	2	CHOICE 12	2	
		<i>Either an Arts Education or Applied Design, Skills, or Technology in grade 10, 11, or 12</i>		Career Life Connections & Capstone Project	4	Total Credits
Potential Credits		Potential Credits		Potential Credits		

Helpful Websites: (see over)

Research Careers and Schools

www.myblueprint.ca

1. Click Sign Up
2. Select North Peace Secondary School
3. Create Account

BC Post Secondary

www.educationalplanner.bc.ca

Canadian Post Secondary

www.schoolfinder.com