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Grade 10:

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Career Life Education

- The Career Life Education course is a course that gives you an opportunity to look closely at yourself in order to assist in discovering what career path best suits you. This course gives you information to consider while you ponder your future in a world where you are a productive citizen. The goal of the activities is to create an initial plan for the next few years of your life. You will ponder a number of questions: Who am I?, How am I connected to my community and the world?, What do I have to learn?, What would I like to do?, How does the world change my career choices? What can I see myself doing? You will finish the course by creating my story.

English (ELA) 10

- English Language Arts 10 is made up of 4 credits where students can choose two from the five available ELA10 courses (Composition, Creative Writing, Literary Studies, New Media, and Spoken Language). These courses provide students the knowledge and skill to use language in its full range of contexts and purposes through a variety of print and non-print media. Students will be able to understand and draw conclusions from communications, whether written, spoken, or displayed visually. Language knowledge and skills are taught within the context of the six language arts processes of speaking, listening, writing, reading, viewing, and representing. As students progress through the grade levels, the communication processes and materials used become more complex, and students are expected to produce increasingly sophisticated work. Students also explore Canadian and world literature as a way of understanding their literary and multicultural heritage.
- Prerequisite: English 9

Foundations & Pre-Calculus Math 10

- Mathematics 10 Foundations and Pre-Calculus is a course that prepares students to become numerate. This course will assist students in developing the ability to conjecture, reason logically, employ quantitative and spatial information, and apply a variety of mathematical methods to solve problems, and make decisions confidently and independently. This pathway will provide students with the mathematical understandings and critical thinking skills identified for entry into post-secondary programs.

Workplace Math 10

- This course is designed to provide students with the mathematical understandings and critical-thinking skills needed to pursue a career in the trades and for direct entry into the workforce. They will use reasoning, problem solving, and analysis to communicate, make connections, and apply their conceptual understanding and knowledge. Topics include finances, geometry, measurement, numeracy, and statistics. The topics are broken down into more manageable pieces to help students find success in secondary math.

Science 10

- Science 10 is designed to provide opportunities for students to develop scientific knowledge, skills, and attitudes that will be relevant in their everyday lives and help to create a spark or interest in science. It introduces students to current concepts, findings, and processes in various scientific disciplines – biology, chemistry, physics, environmental studies, and astronomy. Our learning is based on a “know-do-understand” model to support a concept-based, competency-driven approach to learning. The curriculum for Science 10 is grouped under four general topics. Life Sciences looks at genetics as the foundation for the diversity of life. Physical Sciences focuses on chemical processes and how energy is conserved and how its transformation can affect living things and the environment. Earth and Space Science is a complement to the study of topics in other areas of science (especially Physical Science), and gives students an opportunity to examine some of the macroscopic

applications of scientific principles and technologies in the study of terrestrial and extra-terrestrial systems, in particular the Big Bang Theory.

Social Studies 10

- Social Studies 10, you will be learning about the history of Canada as an independent nation from the beginning of World War I right up until the early 21st century. Since Canada's Confederation in 1867, we have maintained strong ties to Britain. In 1914, when war broke out in Europe, as soon as Britain was at war, Canada was also. You will learn about how Canada played a major role in building planes and training pilots when aircraft technology was in its infancy. The 20th century, for Canada, was a coming of age story. This is where we began to assert our independence from colonial Europe. As our political alliances shifted from Britain to the US so did our trade agreements. By the beginning of this century, we came to be known for our strong democratic principles, our leadership, high standard of living, multicultural society and strong, stable economy.

Physical & Health Education 10

- This course is designed to provide opportunities for students to develop and explore how to be healthy and active. Students will develop the knowledge, skills, and attitudes necessary to incorporate physical activity into regular routines and leisure pursuits to live an active, healthy lifestyle. Students are required to complete 80 hours of physical activity in at least 3 different activities with no more than 30 hours in 1 activity. The coursework explores 4 different topics: Physical Literacy, Healthy Living, Social and Community Health, and Mental Well Being.

Grade 11:

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English Language Arts 11

- English Language Arts 11 builds on and extends students' skills and abilities developed in previous English classes. The course aims to empower students by providing them with strong communication skills in a variety of contexts, an understanding and appreciation of language and literature, and the capacity to engage fully as literate and responsible citizens in the digital age. With guidance, students learn to think critically, creatively, and reflectively; to construct a sense of personal and cultural identity in a changing world; to be respectful of a range of diverse perspectives and worldviews; and to explore First Peoples content, worldviews, and Principles of Learning leading to mutual understanding and respect. English Language Arts 11 offers students five academic streams. Students will choose one pathway. The course offerings are broken down into the following pathways: composition, creative writing, spoken language, literary studies, and new media. Within the pathways are specific content focuses for students to choose. All course offerings require the same amount of academic rigour.
 - 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.
 - Literary Studies 11 allows students to delve more deeply into literature as they explore specific themes, periods, authors, or areas of the world through literary works in a variety of media.
 - Creative Writing 11 is designed for students who have an interest in creative expression through language.
 - New Media 11 provides students with a set of skills vital for success in an increasingly complex digital world by affording numerous opportunities to demonstrate understanding and communicate increasingly sophisticated ideas through a wide variety of digital and print media.

- Spoken Language 11 is designed to support students as they refine, clarify, and adjust their spoken communication through practice and revision.
- Prerequisite: ELA 10/EFP 10.

Workplace Math 11

- 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 numeracy, measurement, geometry, trigonometry, graphing and tables, data analysis and finances.
- Prerequisites: Any Math 10 course within the last two years OR LFMATH 60.

Pre-Calculus Math 11

- PC Math 11 continues on where FPCMath 10 leaves off. It is the most academic grade 11 math course, with a focus on algebra. This is the course that will open the most doors for post secondary. It is recommended that students considering this course have finished FPC Math 10 with a strong understanding (grade above 73% is recommended).
- Prerequisites: FPCMath 10 (or equiv) within the last 2 years OR LF Math 70.

Foundations Math 11

- The goal of this course is to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies that do not require the study of theoretical Calculus. Topics include logical reasoning, geometry, statistics, measurement, functions and relations.
- Prerequisites: FPCMath 10 within the last two years OR LFMATH 70. If you had less than 60% in FPCMath 10 you will find this course very challenging.

Science for Citizens 11

- Students in this course will focus on the interactions between science, technology, and society. It emphasizes the impact of these interactions on both the individual and society at large as well as touching on relevant ethical issues. Topics include health and nutrition, science at home and at work, weather and climate, sustainability and forensic science.
- Prerequisite: Science 10

Biology 11: Life Sciences

- Biology 11 is the study of living organisms and life processes including the study of viruses. This course looks at life interactions at the cellular level, evolution, and categorizing living organisms based on common characteristics. There is also an extensive study of plants, simple organisms and advanced organisms in this course through the use of projects, labs and assignments.
- Prerequisite: none

Physics 11

- Physics 11 is a course that looks at the physical world of motion, forces, energy, waves, and electrical circuits. Physics uses math tools to understand the physical world. It is recommended that students considering this course have a reasonably strong math background.
- Prerequisites: FPCMath 10 (or equiv) OR LF Math 70.

Chemistry 11

- The goal of this course is to introduce students to Chemistry. The course covers matter; its changes, the organization of substances as atoms, molecules and ions. There is a focus on the use of quantitative methods such as the mole concept, molar volume of gases, percent composition, and molarity to predict the results of chemical changes. The study of chemical reactions, atomic theory (periodic table, and chemical bonding); solution chemistry, and organic chemistry (hydrocarbons) is also covered.

- Prerequisite: PC Math 10 (not AW Math 10) OR LFMATH60/70.

Social Studies 11

- Social Studies 11 provides the opportunity for students to explore four different disciplines; BC First Peoples History, Law Studies, Physical Geography and World History. Social Studies 11 Explorations is a course unlike any other that you have taken. It is an open, flexible course that has been designed to allow you to explore several areas within the realm of social studies at the grade 11 level. Each of the four units which make up this course has been created to prepare you for one of four social studies courses at the grade 12 level. It is like those restaurants that have a sampler menu so that when you go back the next time, you know exactly what to order.

Psychology 11

- Psychology 11 is an introductory course in the study of human behavior - the actions, thoughts, motives, and feelings that make up our lives. Studying psychology equips us to deal with the inevitable changes we are bound to encounter throughout life. Throughout the course, students will learn how an understanding of human behavior can be useful in understanding themselves and those around them. Topics studied include personal psychology; research and ethics in psychology; the stages of our lives including infancy and childhood, adolescence, adulthood and aging; brain, body, and behavior; sensation and perception; and states of consciousness.
- Prerequisite: None.

Foods 11

- In Foods & Nutrition 11, students plan and prepare wholesome foods for individuals, groups and families. Students advance through the stages of applied skills: understanding, defining, ideating, prototyping, testing, making and sharing. There is an emphasis on safety procedures, the use of technologies and food security. This is a very hands-on class where students learn how to make a variety of foods, while increasing their knowledge of the nutritional, social and economic factors that affect food selection and preparation.

Career Life Connections (Grade 11 or 12)

- Today's graduates must be able to adapt to ongoing change in many aspects of their lives. Purposeful career-life development, where students learn how to set personally meaningful goals, recognize and cultivate relevant opportunities and supportive relationships, and continually re-evaluate and revise their plans, is a requirement for educated citizens in an ever-changing world. Educated citizens are lifelong learners who continually build on their self-awareness about evolving interests and strengths, and who are able to use this personal knowledge to inform their career-life choices with flexibility as opportunities and challenges arise. In Grades 10 to 12, students explore and research a multitude of education, work-related, and life opportunities to develop the knowledge and the personal and social competencies to manage the next steps in their career-life journeys.
- Prerequisites: Career Life Education

Grade 12:

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English Studies 12

- English Studies 12 builds on and extends students' skills and abilities developed in previous English classes. ENST 12 is a foundational curriculum that equips students with the language and literacy skills they will need for success in school, community, career, and life. The course aims to empower students by providing them with strong communication skills in a variety of contexts, an understanding and appreciation of language and literature, and the capacity to engage fully as literate and responsible citizens in the digital age. With guidance, students learn to think critically, creatively, and reflectively; to construct a sense of personal and cultural identity in a changing world; to be respectful of a range of perspectives and worldviews; and to contribute to

Reconciliation by building greater understanding of the knowledge and perspectives of First Peoples. English Studies 12 is a required course for almost all areas of post-secondary study.

- Prerequisite: English Language Arts 11.

Pre-Calculus Math 12

- This course 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 functions, transformations, sequences, polynomials and trigonometry. The seven mathematical process (communication, connections, mental mathematics and estimation, problem solving, technology and visualization) are interwoven throughout the mathematical topics.
- Prerequisites: PCMath 11 within the last two years OR LFMATH 70 at high levels. If you had less than 70% in PCMath 11 you will find this course very challenging.

Calculus Math 12

- Students planning on entering engineering or sciences will seriously benefit from taking Calculus 12. First year college or university courses in sciences typically include an introduction to calculus concepts. Your first-year stress is much lower if you already understand the basics. Most students find Calc 12 easier than PCMath 12! Topics include functions, limits, differentiation and integration.
- Prerequisite: PCMath 11 (recommend taking PCMath 12 first or at the same time)

Foundations Math 12

- F Math 12 provides students with the mathematical understandings and critical-thinking skills identified for post-secondary studies that do not require the study of theoretical Calculus. Topics include logical reasoning, geometry, statistics, measurement, functions and relations..
- Prerequisites: FPCMath 11 or FOMath 11 within the last 2 years OR go to LF Math 70.

Biology 12: Anatomy & Physiology

- Biology 12 is an overview of human anatomy and physiology from the molecular level to the organ system level. The first part of the course covers cell structure and function which evolves into the study of basic human anatomy and physiology. The human body systems studied include: digestive, respiratory, circulatory, nervous, excretory and reproductive. Biology 12 is an intense but fascinating course that will leave students with a better understanding of how their body works through the use of projects, labs and assignments.
- Prerequisite: None

Chemistry 12

- Chemistry 12 is a course that builds on Chemistry 11 and explores the nature of chemical reactions. Students will investigate how to produce useful chemical products or generate energy such as heat or electricity. Concepts of chemical reactions such as collision theory, solubility, catalysts and chemical equilibrium are included. Primary areas of investigation are Acid/Base reactions, electrochemistry and oxidation. These topics are not only central to chemistry but also apply to many other fields.
- Prerequisites: Chemistry 11 and FPCMath 10. FPCMath 11 is highly recommended.

Physics 12

- Physics 12 continues on Physics 11 leaves off. Physics 12 is a course that looks at the physical world of 2D motion, 2D forces, momentum, electromagnetism, and electrical fields. Physics uses math tools to understand the physical world. It is recommended that students considering this course have a reasonably strong math background and a Physics 11 grade above 73%.
- Prerequisites: FPCMath 11 (or equiv) and Physics 11.

Social Studies 12: World Religions

- Religions and belief systems shape the political, social, and cultural aspects of societies. This introductory course looks at Indigenous and Prehistory beliefs, Classical belief systems, Hinduism, Buddhism, Judaism, Christianity,

and Islam. Students will consider some of the similarities and differences among the major religions and belief systems and examine the connections and influences they have.

- Prerequisite: None.

Social Studies 12: Physical Geography

- Physical Geography 12 focuses on the impact of geography on social systems. This includes the interrelationship of people, places, and resources. Students will look at local, regional, and global perspectives of environmental issues. Units of study include the earth's physical structure; the effect of the interaction between human activities and the atmosphere; the impact of natural processes on the landscape and human settlement; and how human activities and resource use affect the environment. The course is organized around the five themes of geography: location, place, human and physical interactions, movement, and regions and how the systems of Earth such as weather, climate, and tectonic processes affect the world we live in.
- Prerequisite: None.

Social Studies 12: 20th Century World History

- 20th Century World History 11 introduces you to the history of the twentieth century, beginning with the treaties that ended World War I and ending with the collapse of the Soviet Union in 1991. While studying these events, you will also be learning something of the skills necessary to interpret historical events -- how to ensure historical information is accurate and relevant, how to develop historical empathy, and how to present clear, logical arguments based on a knowledge of the events.

Social Studies 12: First Peoples

- First People's history, students will learn about traditional First Nations worldview and the oral tradition. You also explore what constitutes culture, and how differences between cultures can lead to ethnocentrism, prejudice, stereotyping, and racism. The racist attitudes and beliefs about First Nations people that were assumed by European settlers is examined.

Social Studies 12: Law Studies

- We live in a world governed by law. No matter what we do, the legal system and its laws are part of everyday life. Laws can maintain status quo or be a force for change. Our legal system strives to represent principles Canadians believe in and each generation influences the legal system to reflect ever-changing societal values and worldviews. In our complex society, law regulates our social, political, and economic activities from birth to death. Law studies 12 focuses on the Canadian legal system and helps to foster skills and attitudes that enhance a student's ability to address legal, social, and ethical issues, and reflect critically on the role of law in society. This course is designed to help students participate more fully in society. Law studies 12 is divided into 4 units: foundations of law, criminal Law, civil law and Aboriginal and family law.

Social Studies 12: Social Justice

- Students will examine who they are, where they are from and where they fit in the world. Units of study range from gaining a Social Justice lens, to Sexism, Environmental Justice, Animal Rights, Racism, Ableism, Poverty and Leadership. Students gain a great deal of experience examining the perspectives of others while also realizing how there are ways to make the world a more equitable place.

Work Experience 12

- Work Experience 12A and Work Experience 12B differ from most courses in that they are primarily designed to take place outside of the school setting. Students need to complete 100 work hours for each course and complete course work including work site safety awareness and orientation in order to receive credit for the courses. Work Experience 12A will cover goal setting, resume, cover letter, career research, ethics and confidentiality, and worksite expectations/standards. Work Experience 12B will require an additional 100 work hours. Work Experience 12A and B may help students fulfill their work experience and/or community service hours required for graduation.
- Prerequisite: None

Foods 12

- In Foods & Nutrition 12, students plan and prepare wholesome foods for individuals, groups and families. Students advance through the stages of applied skills: understanding, defining, ideating, prototyping, testing, making and sharing. There is an emphasis on safety procedures, the use of technologies, food justice and future career options. This is a very hands-on class where students learn how to make a complex variety of foods, while increasing their knowledge of the nutritional, social and economic factors that affect food selection and preparation.

Tourism 12

- With greater disposable income and more opportunities for business travel, people are traversing the globe in growing numbers. As a result, hospitality and tourism is one of the fastest growing industries in the world. This course will introduce students to the hospitality and tourism industry, including hotel and restaurant management, cruise ships, spas, resorts, theme parks, and other areas. Students will learn about key hospitality issues, the development and management of tourist locations, event planning, marketing, and environmental issues related to leisure and travel. The course also examines some current and future trends in the field.

Career Life Connections (Grade 11 or 12)

- Today's graduates must be able to adapt to ongoing change in many aspects of their lives. Purposeful career-life development, where students learn how to set personally meaningful goals, recognize and cultivate relevant opportunities and supportive relationships, and continually re-evaluate and revise their plans, is a requirement for educated citizens in an ever-changing world. Educated citizens are lifelong learners who continually build on their self-awareness about evolving interests and strengths, and who are able to use this personal knowledge to inform their career-life choices with flexibility as opportunities and challenges arise. In Grades 10 to 12, students explore and research a multitude of education, work-related, and life opportunities to develop the knowledge and the personal and social competencies to manage the next steps in their career-life journeys.
- Prerequisites: Career Life Education

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