COURSE Descriptions Gr. 10 – 12 COMPLETE LISTING

Students must earn 4 credits in Fine Arts and/or Applied Skills in Gr. 10, 11 or 12.
*Courses marked with an asterisk (*) are offered outside the regular timetable.

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French Immersion

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FRANÇAIS LANGUE SECONDE 10 – FFRAL10-4S

This language course encourages students to develop their own unique bilingual identity, while also considering the cultural diversity they experience by studying authentic Francophone works. It is through the analysis, exploration and understanding of a variety of these sources that the students will be able communicate effectively and thoughtfully. Speaking, reading, writing and listening skills will all be highlighted through various learning activities. Students will use these abilities to critically consider the role of personal identity and cultural appreciation, and how they affect the world in which we live.

ÉTUDES DE LA CINÈMA ET DE LA LITTÉRATURE FRANCOPHONE 11- FLTST11-4S

Content: This course is designed to encourage students to discover, explore, analyze and interpret cinematographic and literary works of the French-speaking world. Students will explore their imagination and develop their creativity and writing style through multiple cinematographic and literary genres. By studying a variety of texts, students will acquire knowledge of Francophone culture, which will contribute to the development of their own personal identity. They will understand how the literary and cinematographic works of a society reflect its principles and values, and will reflect upon and develop their own set of values and principles.

FRANÇAIS LANGUE SECONDE 12 - FFRAL12-4S

This course will promote the comprehension of the variety of linguistic and cultural differences seen in the Francophone world. Students will use analysis, questioning and synthesis to develop a rich and sophisticated communication style. They will use nuance and the symbolic to enhance their writing style. The themes of this year, Friendship, Belonging and Duty vs Desire, and the literature chosen for this year, will lead students to philosophical reflections of how experience and perception can influence comprehension and understanding. It is through the critical reflection of their positions on these themes that students will form an understanding of their place in the bilingual world. There is a provincial FRAL literacy 12 assessment, which includes both a written and an oral component, at the end of this course.

FONDEMENTS ET PRÉ-CALCUL MATHÉMATIQUES 10 - FFMPF10-4S

Content: Refer to French Immersion section. The Foundations & Pre-Calculus pathway is designed for students who are thinking about future education or a career that involves Sciences, Engineering, Social Sciences or Arts. This course leads to Foundations 11 and Pre-Calculus 11. The big ideas of Foundations & Pre-Calculus 10 are: using algebra to generalize relationships, connecting the operations of powers to polynomials, using multiple representations of linear relations, indirect measurement with trigonometry, and representing and analyzing situations. Attention will be given to mastery of both English and French terminology.

FONDEMENTS ET PRÉ-CALCUL MATHÉMATIQUES 10- Pre-AP - FFMFP10-H4S

This course is part of the accelerated AP (advanced placement) math program offered at KSS and is intended for students with a strong work ethic and commitment level. This course covers all the topics of Pre-Calculus Math 11. It is a challenging course that will develop the skills necessary for theoretical calculus. Attention will be given to mastery of both English and French terminology. Opportunities will be provided to demonstrate mathematical competence in both languages. It is recommended that students complete the Math 9 extensions exercises, found on google classroom with code rwsyrgr o provided by their middle school math teacher if they wish to enroll in this course.

HISTOIRE MONDIALES 12 – FWH--12-4S

Content: This course is recommended to Grade 11 French Immersion students to fulfill their graduation requirements. Students will learn the knowledge and skills necessary to further their learning in social studies. HIstoire mondiale 12 traces major developments and events in world history since the turn of the 20th Century. Students will explore social, economic, and political changes, varying world views, and the role of conflict and cooperation in global interrelationships. Students will apply historical knowledge to build curricular competencies, such as historical significance, perspectives, continuity and change, cause and consequence, ethical judgement, and interpreting evidence. This in turn will help students develop the skills and attributes necessary to be successful in any upper level humanities.

EDUCATION AU CHOIX DE CARRIERE ET DE VIE 11 – FCLEB10-2T (AM outside of the timetable)

Content: Students will complete the learning outcomes for Planning, prepare the groundwork towards their grade 12 Capstone, use a variety of WEB 2.0 tools to communicate online, and develop a digital portfolio in a website and blog.

SCIENCES HUMAINES 10 – FSCH-10-4S

Content: Students will build their understanding of past events and trends since the turn of the 20th century. As such, classroom learning will focus on global and regional conflicts, the development of political institutions, differing world views, and historical and contemporary injustices. Students will apply historical knowledge to build curricular competencies, such as historical significance, perspectives, continuity and change, cause and consequence, ethical judgement, and interpreting evidence. This in turn will help students develop better understanding of the past in order to be successful in Histoire Mondiale 12.

SCIENCES NATURELLES 10 – FSCF-10-4S

Content: In this course you will learn some of the skills necessary to become a successful scientist. You will work independently and in groups on the development of scientific competencies that include: questioning and predicting; experiment planning and conducting; data analysis, evaluation, and application; and communication of scientific information. This will be accomplished through the study of various topics including; genetics, the Big Bang Theory, energy, and chemical reactions. This class will help you develop a sustained curiosity to the world around you, an ability to assess assumptions and question given information, and an ability to apply scientific literacy to social, ethical, and environmental consideration in the real world.

ENGLISH

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ENGLISH FIRST PEOPLES 10 - MEFLS10-2T (Qualifies as Ministry Indigenous Course)

Content: English 10 First Peoples continues the study of language and literature and builds upon those skills learned in English 9. English First Peoples is intended for both Indigenous and non-Indigenous students. Students will become open-minded scholars of First Peoples' worldviews through the study of literary, informational and media text with local, Canadian and international First Peoples' content. This course provides opportunities for all students to engage with First Peoples' creative expression and enter the worlds of First Peoples provincially, nationally, and internationally. This course focuses on the experiences, values, beliefs, and lived realities of First Peoples as evidenced in various forms of text—including oral story, speech, poetry, dramatic work, dance, song, film, and prose (non-fiction and fiction). Students will develop the English language and literacy skills and capacities they must have in order to meet British Columbia's graduation requirements. The study of First Peoples' content fosters an open-minded and compassionate world view.

ENGLISH STUDIES 10 - MLTST10-2S / MCMP10-2S or Linear

Content: English Studies 10 provides students with the opportunity to develop the knowledge, skills, and processes needed for effective communication. Students will study a variety of texts, both fiction and non-fiction, as a base of discussion, analysis, and connection to the larger world. Students will reflect on their own worldviews as they learn that texts are socially, culturally, geographically, and historically constructed. Written assignments will encourage a range of skills and styles to reflect the changing role of technology in today's society, and the increasing importance of digital literacy. Success in this course requires fluency in written and spoken communication to reflect the power of voice.

ENGLISH 11 NEW MEDIA AND LIT STUDIES – MLTST11-4S (Semester) MLTST11-4L (Linear)

Content: Students will be encouraged to study challenging texts in order to deepen their understanding of personal, social and cultural contexts, values, and perspectives. Throughout the course, students will learn appropriate written and oral communication strategies for representing their ideas. Students will appreciate the power of voice to convey oral history, share information, and to engage in critical debate. Students will build confidence as they develop both performance and professional communication skills. This course provides opportunities for students to study, create, and write original and authentic pieces for a range of purposes and real-world audiences. This course may include in-depth studies of the drama, poetry, novels, short fiction, non-fiction, podcasts, lectures, and film. The study of spoken language and composition equips students with the skills needed to communicate effectively through written and spoken word.

ENGLISH FIRST PEOPLES 11 – MELNM11-4S (Semester) (Qualifies as Ministry Indigenous Course)

Content: English 11 First Peoples continues the study of language and literature and builds upon those skills learned in English 10. English First Peoples is intended for both Indigenous and non-Indigenous students. Students will become open-minded scholars of First Peoples' worldviews through the study of literary, informational and media text with local, Canadian and international First Peoples' content. This course provides opportunities for all students to engage with First Peoples' creative expression and enter the worlds of First Peoples provincially, nationally, and internationally. This course focuses on the experiences, values, beliefs, and lived realities of First Peoples as evidenced in various forms of text—including oral story, speech, poetry, dramatic work, dance, song, film, and prose (non-fiction and fiction). The study of First Peoples' content fosters an open-minded and compassionate world view.

ENGLISH STUDIES 11 PRE-AP – MLTST11H4S (Semester) MLTST11H4L (Linear)

Content: The objectives of this course are to provide enrichment to the regular English 11 program and to challenge capable students with additional, more demanding material and activities. This course is excellent for anyone considering English 12 AP or who enjoys the study and discussion of literature. It is also intended to introduce students to components of English 12 and to help prepare students for the rigors of the Advanced Placement English program. English Studies 10 is required, along with teacher approval, for entry into this course.

ENGLISH STUDIES 12 - MENST12-4S (Semester) MENST12-4L (Linear)

Content: In English Studies 12, students will develop a critical approach to literature and continue developing academic writing and research skills. The course emphasizes critical analyses of a variety of forms of literature and communication, including short stories, poetry, essays, novels, and films. Students will examine First People's cultures and lived experiences through text and build an understanding of Canadians' responsibilities in relation to reconciliation.

ENGLISH FIRST PEOPLES 12 – MENFP12-4S (Qualifies as Ministry Indigenous Course)

Content: English 12 First Peoples continues the study of language and literature and builds upon those skills learned in English 11. English First Peoples is intended for both Indigenous and non-Indigenous students. Students will become open-minded scholars of First Peoples' worldviews through the study of literary, informational and media text with local, Canadian and international First Peoples' content. This course provides opportunities for all students to engage with First Peoples' creative expression and enter the worlds of First Peoples provincially, nationally, and internationally. This course focuses on the experiences, values, beliefs, and lived realities of First Peoples as evidenced in various forms of text—including oral story, speech, poetry, dramatic work, dance, song, film, and prose (non-fiction and fiction). The study of First Peoples' content fosters an open-minded and compassionate world view.

ENGLISH STUDIES 12 AP - MENST12H4L (Linear)

Content: The objectives of this course are to complete the requirements of the provincial English 12 curriculum and to prepare students to write an Advanced Placement English exam. The course will focus on engaging students in the careful reading and critical analysis of both fiction and nonfiction, and will provide a strong foundation for students pursuing academic post-secondary education. Successful completion of the program, both required and enrichment material, may lead students to write the AP Language and Composition or Literature and Composition exam which may grant them advanced placement at various universities and colleges in North America. A fee is set for the writing of this exam.

ELECTIVE ENGLISH COURSES (Do Not Count for Grad)

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CREATIVE WRITING 12 – MCTWR12-4S

Prerequisite: English Studies 11

This class will give students the opportunity to expand their writing experiences beyond that of a regular classroom setting. Working with their peers, students will have the opportunity to not only share their work, but also gain valuable feedback through writing workshops. The main course objective is to allow students to be creative in a positive and supportive setting. Students explore writing creative non-fiction, and various forms of poetry and fiction while experimenting with suspense and dialogue. By the end of the semester, the class publishes Papercuts, a magazine of student work. Students are expected to be strong writers competent in the English language (a minimum of a B in their previous English course is strongly recommended). ***NOTE: Creative Writing does not replace English 12 as a graduation requirement.***

DEBATE & SPEECH 10/11/12 YLE--0A-4L - YLE--1A-4L - YLE--2A-4L (Outside the timetable)

Content: This course is designed for students with a serious interest in current social issues, public speaking and law. Students will learn techniques of both cross-examination and national style debate, and formal and impromptu speeches. Research skills will be taught and practiced. Students will be expected to speak publicly in various situations, including debate tournaments. Attending and participating in at least one debate tournament is a requirement of the course. Students will have the opportunity to compete regionally and provincially. This is a rigorous course for students with strong academic backgrounds and interests. Class will take place Monday afternoon, outside the regular timetable and is available to any student in grades 10 - 12 in the district. (Gr. 8 & 9 students who are interested may apply to the instructor to attend the course, and compete provincially at a novice level, but will not receive academic credit.) NOTE: Debate & Speech 12 does not replace English 12 as a graduation requirement. Contact: Ms. Bresch at kyla.bresch@sd23.bc.ca

ENGLISH LITERATURE & MYTHOLOGY 12 – MLTST12-4SM

Content: This course surveys the literary accomplishments of great English writers from the Anglo-Saxon age to the modern age. Also, the mythology component is a survey of ancient Greek and Roman stories about heroes, gods, and the universe and illustrates the influence of these myths on the art, literature, and culture of the modern world. This course focuses on the authors and the works of British literature in their historical, cultural, and literary contexts, providing an opportunity for students to explore the cultural richness of our literary heritage. English Literature & Mythology 12 is recommended for students enrolling in English 12 AP and for students who intend to pursue post-secondary studies in the humanities or social sciences. Note: English Literature & Mythology 12 does not replace English Studies 12 as a graduation requirement.

ENGLISH LANGUAGE LEARNER (ELL)

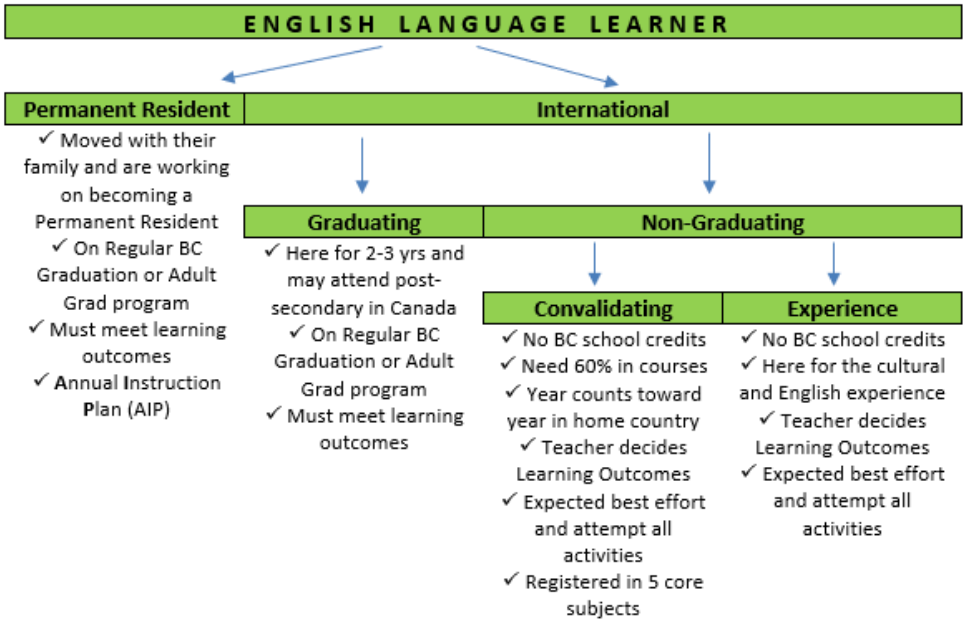
ENGLISH LANGUAGE LEARNER

Content: English Language Learner (ELL) is a course for any student whose native language at home is not English and who plans to take English Studies 10 or English 11/12.

STUDENTS MAY TAKE:

1. ELL1 – ELL Language Development 1 – YESFL0A-4S (4 credits)
2. ELL2 – ELL Language Development 2 – YESFL1A-4S (4 credits)
3. ELL3 – ELL Language Development 3 – YESFL2A-4S (4 credits)
4. ELL Cultural Studies – XAT--10ELL (0 credits). International students will automatically be assigned to this course which includes group cultural activities. This course is run outside of the timetable.

This is a comprehensive, research based English Language Development program for high school English learners. We develop listening, speaking, reading and writing skills and prepare students for success in mainstream academic classes.



INDIGENOUS ACADEMY

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INDIGENOUS ACADEMY SCIENCE 10 (This course does NOT qualify as a Ministry Indigenous Content Course)

This course is an equivalent credit to Science 10. This course offers a unique exploration of scientific principles through the lens of Canadian Indigenous perspectives, knowledge, and practices. Students will explore Indigenous ways of knowing, understanding the natural world, and sustainable practices. Through interdisciplinary approaches, students will examine topics such as traditional ecological knowledge, Indigenous astronomy, medicinal plants, sustainability, and the interconnectedness of all living beings. Drawing from Indigenous teachings and traditional ecological knowledge systems, students will engage in hands-on learning experiences, collaborative projects, and critical discussions to deepen their understanding of scientific concepts within cultural contexts. Emphasis will be placed on fostering respect, reciprocity, and reverence for the land, water, and all living beings, while also exploring contemporary issues facing Indigenous communities concerning science and technology.This course aims to empower students to develop a holistic understanding of science that integrates Indigenous perspectives, fosters cultural appreciation, and inspires responsible stewardship of the environment. By the end of the course, students will not only have gained scientific knowledge but will also have developed a greater appreciation for the wisdom and contributions of Indigenous peoples to the field of science and society as a whole.

INDIGENOUS ACADEMY SCIENCE 11 (This course does NOT qualify as a Ministry Indigenous Content Course)

This course offers a unique exploration of scientific principles through the lens of Canadian Indigenous perspectives, knowledge, and practices. Students will explore Indigenous ways of knowing, understanding the natural world, and sustainable practices. Through interdisciplinary approaches, students will continue to examine topics such as traditional ecological knowledge, Indigenous astronomy, medicinal plants, sustainability, and the interconnectedness of all living beings. Drawing from Indigenous teachings and traditional ecological knowledge systems, students will engage in hands-on learning experiences, collaborative projects, and critical discussions to deepen their understanding of scientific concepts within cultural contexts. Emphasis will be placed on fostering respect, reciprocity, and reverence for the land, water, and all living beings, while also exploring contemporary issues facing Indigenous communities concerning science and technology. This course aims to empower students to develop a holistic understanding of science that integrates Indigenous perspectives, fosters cultural appreciation, and inspires responsible stewardship of the environment. By the end of the course, students will not only have gained scientific knowledge but will also have developed a greater appreciation for the wisdom and contributions of Indigenous peoples to the field of science and society as a whole.

ENGLISH FIRST PEOPLES 10 - MEFLS10-2T (Qualifies as Ministry Indigenous Course)

Content: English 10 First Peoples continues the study of language and literature and builds upon those skills learned in English 9. English First Peoples is intended for both Indigenous and non-Indigenous students. Students will become open-minded scholars of First Peoples' worldviews through the study of literary, informational and media text with local, Canadian and international First Peoples' content. This course provides opportunities for all students to engage with First Peoples' creative expression and enter the worlds of First Peoples provincially, nationally, and internationally. This course focuses on the experiences, values, beliefs, and lived realities of First Peoples as evidenced in various forms of text—including oral story, speech, poetry, dramatic work, dance, song, film, and prose (non-fiction and fiction). Students will develop the English language and literacy skills and capacities they must have in order to meet British Columbia's graduation requirements. The study of First Peoples' content fosters an open-minded and compassionate world view.

ENGLISH FIRST PEOPLES 11 – MELNM11-4S (Semester) MELNM11-4L (Linear) (Qualifies as Ministry Indigenous Course)

Content: English 11 First Peoples continues the study of language and literature and builds upon those skills learned in English 10. English First Peoples is intended for both Indigenous and non-Indigenous students. Students will become open-minded scholars of First Peoples' worldviews through the study of literary, informational and media text with local, Canadian and international First Peoples' content. This course provides opportunities for all students to engage with First Peoples' creative expression and enter the worlds of First Peoples provincially, nationally, and internationally. This course focuses on the experiences, values, beliefs, and lived realities of First Peoples as evidenced in various forms of text—including oral story, speech, poetry, dramatic work, dance, song, film, and prose (non-fiction and fiction). The study of First Peoples' content fosters an open-minded and compassionate world view.

ENGLISH FIRST PEOPLES 12 – MENFP12-4S (Qualifies as Ministry Indigenous Course)

Content: English 12 First Peoples continues the study of language and literature and builds upon those skills learned in English 11. English First Peoples is intended for both Indigenous and non-Indigenous students. Students will become open-minded scholars of First Peoples' worldviews through the study of literary, informational and media text with local, Canadian and international First Peoples' content. This course provides opportunities for all students to engage with First Peoples' creative expression and enter the worlds of First Peoples provincially, nationally, and internationally. This course focuses on the experiences, values, beliefs, and lived realities of First Peoples as evidenced in various forms of text—including oral story, speech, poetry, dramatic work, dance, song, film, and prose (non-fiction and fiction). The study of First Peoples' content fosters an open-minded and compassionate world view.

Indigenous Academy Mathematics 10: (This course does NOT qualify as a Ministry Indigenous Content Course)

This course is equivalent credit to the Foundations Math and Pre-Calculus course. This course offers a unique exploration of mathematics through the lens of Canadian Indigenous perspectives, knowledge systems, and cultural practices. Students will engage with mathematical concepts within the context of Indigenous worldviews, traditional knowledge, and historical contributions to numerical reasoning. Drawing from Indigenous teachings, students will explore mathematical concepts such as numeracy, geometry, algebra, and statistics through culturally relevant examples and real-world applications. Topics may include Indigenous land management practices, traditional measurements, patterns in nature, and mathematical storytelling. Through collaborative learning experiences, hands-on activities, and critical discussions, students will deepen their understanding of mathematical concepts while also gaining insights into the interconnectedness between mathematics, culture, and the environment. Emphasis will be placed on fostering respect for diverse ways of knowing, understanding the significance of mathematics within Indigenous cultures, and recognizing the resilience and ingenuity of Indigenous peoples in mathematical problem-solving. This course aims to empower students to develop a holistic understanding of mathematics that integrates Indigenous perspectives, promotes cultural appreciation, and inspires creativity and innovation. By the end of the course, students will not only have enhanced their mathematical skills but will also have gained a deeper appreciation for the diversity of mathematical knowledge and the contributions of Indigenous peoples to the field of mathematics and society as a whole.

Indigenous Academy Mathematics 11: (This course does NOT qualify as a Ministry Indigenous Content Course)

This course offers a unique exploration of mathematics through the lens of Canadian Indigenous perspectives, knowledge systems, and cultural practices. Students will engage with mathematical concepts within the context of Indigenous worldviews, traditional knowledge, and historical contributions to numerical reasoning. Drawing from Indigenous teachings, students will explore mathematical concepts such as numeracy, geometry, algebra, and statistics through culturally relevant examples and real-world applications. Topics may include Indigenous land management practices, traditional measurements, patterns in nature, and mathematical storytelling. Through collaborative learning experiences, hands-on activities, and critical discussions, students will deepen their understanding of mathematical concepts while also gaining insights into the interconnectedness between mathematics, culture, and the environment. Emphasis will be placed on fostering respect for diverse ways of knowing, understanding the significance of mathematics within Indigenous cultures, and recognizing the resilience and ingenuity of Indigenous peoples in mathematical problem-solving. This course aims to empower students to develop a holistic understanding of mathematics that integrates Indigenous perspectives, promotes cultural appreciation, and inspires creativity and innovation. By the end of the course, students will not only have enhanced their mathematical skills but will also have gained a deeper appreciation for the diversity of mathematical knowledge and the contributions of Indigenous peoples to the field of mathematics and society as a whole.

SOCIAL STUDIES

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SOCIAL STUDIES 10 – MSS--10-4S

Content: In this course, students will learn the knowledge and skills necessary to become successful in the Social Studies. Social Studies 10 traces major developments and events in Canadian and world history, human geography and the Canadian Government. Students will explore social, economic, and political changes, varying world views (including First Peoples), and the role of conflict and cooperation in global interrelationships. Students will apply historical knowledge to build curricular competencies, such as historical significance, perspectives, continuity and change, cause and consequence, ethical judgement, and interpreting evidence.

SCIENCES HUMAINES 10 – FSCH-10-4S

Content: Refer to French Immersion section.

HISTOIRE MONDIALE 12 – FWH--12-4S

Content: Refer to French Immersion section.

COMPARATIVE CULTURES 12 - MCMCL12-4S

Content: Comparative Cultures 12 is recommended for Grade 11 or 12 students with a strong work ethic and interested in history. This course is a university approved survey course designed to provide an overview of various civilizations through time. Comparative Cultures 12 begins by looking at old world civilizations such as Mesopotamia, Ancient Egypt, Greece, Rome, and Medieval Europe and carries through to the Conquest of the new world. Emphasis on connecting civilizations is taught to develop a deeper understanding of history. Interested students will apply historical knowledge to build upon their curricular competencies in historical significance, continuity and change, cause and consequence, ethical judgment, and interpreting evidence. Ultimately, students will develop the skills and attributes necessary to be successful in the formative years of post-secondary. Please contact bryce.stewart@sd23.bc.ca for more information

HUMAN GEOGRAPHY 12 – MHGEO12-4S

Content: This course is recommended to Grade 11 or 12 students to fulfill their graduation requirements. Human Geography focuses on contemporary world issues. Students will explore and better understand our globally connected world, population patterns and distribution, and how human activities alter landscapes. Students will apply geographical knowledge to build a geographic sense of place, evidence and interpretation, patterns and trends, ethical judgement, and human interaction with the environment (including First Peoples). This in turn will prepare students to be lifelong learners. Please contact tina.clarke@sd23.bc.ca for more information.

20th CENTURY WORLD HISTORY 12 – MWH--12-4S

Content: This course is recommended to Grade 11 or 12 students to fulfill their graduation requirements. Students will acquire the knowledge and skills necessary to further their learning in social studies. 20th Century World History 12 traces major developments and events in world history. Students will explore social, economic, and political changes, varying world views, and the role of conflict and cooperation in global interrelationships. Students will apply historical knowledge to build curricular competencies, such as historical significance, perspectives, continuity and change, cause and consequence, ethical judgment, and interpreting evidence. This in turn will help students develop the skills and attributes necessary to be lifelong learners. For more information please contact graeme.stacey@sd23.bc.ca, bryce.stewart@sd23.bc.ca or ryan.holly@sd23.bc.ca.

BC FIRST PEOPLES 12 – MBCFP12-4S

Content: This course is recommended to Grade 11 or 12 students to fulfill their graduation requirements in Social Studies and the Indigenous graduation credit. BC First Peoples 12 will expose students to the longstanding connection BC First Peoples have had with the land in developing their identity and world view, how colonialism has impacted and continues to impact BC First Peoples, that culture is living and shows the diversity and resilience of BC First Peoples and how current self-determination is a challenge in Canada's ongoing legacy of colonialism. Students will apply historical knowledge to build such curricular competencies as historical significance, perspectives, continuity and change, cause and consequence, ethical judgment, and interpreting evidence. The course will help students develop the skills and attributes necessary to be lifelong learners. Please contact leana.marton@sd23.bc.ca for more information.

CONTEMPORARY INDIGENOUS STUDIES 12 – MINST12-4S

Content: This course is recommended to Grade 11 or 12 students to fulfill their graduation requirements in Social Studies and the Indigenous graduation credit. In the Contemporary Indigenous Studies 12 course students will explore various contemporary issues facing Indigenous communities in Canada and around the world. An emphasis will be placed on the ongoing struggles of many Indigenous communities worldwide in reclaiming their well-being despite the continued effects of colonialism. This course will also involve the connection between food, land and water. Other elements of the course will include land-based learning, learning how to follow appropriate protocols, and listening to the oral tradition of elders and other local knowledge holders. Please contact tina.clarke@sd23.bc.ca for more information.

GENOCIDE STUDIES 12 – MGENO12-4S

Content: This course is open to any Grade 11 or 12 student wishing to fulfill their Social Studies graduation requirements.

Genocide Studies 12 is a university approved course. The course explores the origins and development of the term "genocide", along with the psychology and behaviour behind the "players" in genocide, The overall focus question of the course is: how and why do genocides happen?

Students draw comparisons, analyze events & issues, and take initiative to recognize that while genocides (i.e. The Holocaust, Cambodia, Rwanda, Indigenous Canadians, and contemporary 21st century genocides) are caused and carried out for different reasons, all genocides share in progression and scope. Genocide 12 utilizes a variety of instruction and assessment, for example: video, film & movie excerpts, cartoon and primary source analysis, and "stories" along with historical, critical, and creative thinking, personalized learning and understanding.

Igniting personal and social responsibility are foundational to this courses' goal to foster learning, and spark curiosity & questioning as related to historical and contemporary genocide. By fostering empathy, tolerance, and respect, Genocide 12 strives to meet the following, as implored by the pleas of a Holocaust survivor: "Reading, writing, arithmetic are important only if they serve to make our children more human." This course will help students develop the skills and attributes necessary to be successful in the formative years of post-secondary. Please contact graeme.stacey@sd23.bc.ca or ryan.holly@sd23.bc.ca for more information.

HOLOCAUST STUDIES 12 –

*Holocaust 12: Beyond the Shoah can be taken concurrently with, or after completing, Genocide Studies 12 or World History 12.
Holocaust 12: Beyond the Shoah is designed to teach the “totality” of the Holocaust and the associated Jewish experience of life and survival, while looking at historical, Nazi, and modern antisemitism. Traditional teaching about the Holocaust in the time period of World War II is important; yet, we must remember that the Jewish experience cannot and should not be reduced to a single moment in history or be relegated to the past.
A key aspect of this course is the Indigenous worldview of learning being embedded in memory, history, and story. The story of Jewish people, prior to the Holocaust, in the midst of the genocidal catastrophe, the aftermath of the Holocaust, and in contemporary society will be taught using stories to foster understanding.
Students will utilize a variety of instruction and assessments: video and film reflections, cartoon, image and primary source analysis, "stories", historical, critical, and creative thinking, as well as personalized learning and understanding. Further instruction and assessment include student-created one-pagers and book studies.
Students should know this course does not meet their senior Social Studies graduation requirement but is an academic senior elective. Igniting personal and social responsibility is foundational to this course's goal of fostering learning, sparking curiosity and questioning as related to the Jewish experience and "totality" of the Holocaust. This course strives to address Dara Horn's criticism of current Holocaust teaching in her critically acclaimed 2021 book, People Love Dead Jews where she challenges learners “… to confront the reasons why there might be so much fascination with Jewish deaths, as emblematic of the worst of evils the world has to offer, and so little respect for Jewish lives, as they continue to unfold in the present.”
Together with the content learning of the four Big Ideas: (1) Who are the Jewish people? What does it mean to be Jewish? (2) Historic and Nazi Antisemitism (3) The Holocaust (4) Holocaust Denial and Modern Antisemitism, students in this class will be engaging with the B.C. Ministry of Education core competencies: Communication, Thinking, and Personal and Social Responsibility.

AP HUMAN GEOGRAPHY 12 (Linear) AHG--12-4L (8 credits: 4 credits AP Human Geography and 4 credits Contemporary Indigenous Studies 12)

Content: This course is an introduction/survey to the “human” aspect of geography. The purpose of this course is to study contemporary world issues. It is designed to challenge students to become better writers, critical thinkers, test takers and collaborative learners. Topics of study include: world population growth, cultural trends, city development, politics, agriculture and environmental consequences of human actions. This course is a university accredited course given to students who successfully complete the AP Human Geography test administered by the College Board. Also, all students who successfully complete the linear course will receive a grade 12 AP Human Geography credit (4 credits) and grade 12 Contemporary Indigenous Studies 12 (4 credits). Students taking this course should have a strong work ethic. Although emphasis will be placed on preparing for the Advanced Placement Exam, the course will include case studies, class discussions and general preparation for post-secondary. There is no pre-requisite to take this course. Please contact tina.clarke@sd23.bc.ca for more information.

AP American History 12 (Linear) AWH--12-4L (4 credits AP American History)

Course Description: Welcome to Advanced Placement American History, a rigorous and intellectually stimulating course designed for high school students seeking a deep understanding of the United States. This AP-level course explores the multifaceted tapestry of American history, examining key events, figures, and themes that have shaped the nation from colonial roots of 1492 to the present day. Throughout the academic year, students will engage in a comprehensive examination of political, social, economic, and cultural developments that have defined the United States. The course will emphasize critical thinking, analytical skills, and historical interpretation, fostering an understanding of historical events and their enduring impact on the United States. By the end of this course, students will not only be prepared for success on the AP U.S. History exam but will have also developed a deep appreciation for the complexities of American history and its relevance to contemporary issues. Students will also have fulfilled the requirements for either World History 12 or Comparative Cultures 12. Please contact bryce.stewart@sd23.bc.ca for more information

LAW STUDIES 12 – MLST-12-4S

Content: This course is recommended to Grade 11 or 12 students to fulfill their graduation requirements. Law Studies 12 promotes the understanding of legal rights and responsibilities that allow citizens to participate more fully in society. The law is a very powerful organic social structure that reflects society's values and worldviews, and affects many aspects of daily life. Students will learn to critically examine the law in society using legal history (including Indigenous Peoples), statute law, and case law to build the following curricular competencies: significance, evidence, continuity and change, cause and consequence, perspective, and ethical judgment. This in turn will help students develop the skills and attributes necessary to be successful in any upper level humanities.

PHILOSOPHY 12 – MPHIL12-4S

Content: This course is recommended to Grade 11 or 12 students to fulfill their graduation requirements. Philosophy 12 examines the fundamental nature of knowledge, reality and existence. Examining questions in philosophy allows students to question their assumptions and better understand their own beliefs. Philosophy provides tools for investigating meaning and fostering understanding of different ways of thinking. Students will learn to critically examine issues with no definitive answers to build the following curricular competencies: significance, evidence, continuity and change, cause and consequence, perspective, and ethical judgment. This in turn will help students develop the skills and attributes necessary to be successful lifelong learners.

PSYCHOLOGY 11 – YPSYC1A-4S - This course does not count as a ministry SS credit.

Content: Psychology 11 is an introductory course in the study of human behavior. Among topics studied will be human development, sleep and dreams, personality development and measurement, principles of learning, motivation and emotions, hypnosis, frustration and conflict, and abnormalities and treatment of antisocial behavior, psychosis, and neurosis. Throughout the course, students will learn how an understanding of human behavior can be useful in understanding themselves and those around them.

PSYCHOLOGY 12 – YPSYC2A-4S - This course does not count as a ministry SS credit.

Content: Psychology 12 is the second year of a two-year program. This course continues with a more in-depth study of modern day psychology. Topics studied in Psychology 11 are further developed and new topics introduced. New topics such as sensation and perception, memory, learning, thinking and language, psychological therapies, stress and health psychology, social psychology.

Students interested in pursuing post-secondary studies leading to careers in areas such as social work, mediation, criminal justice, psychology, counselling, or have a general interest in human behavior will find Psychology 12 interesting.

PSYCHOLOGY 12 AP - YPSYC2AH4L (Linear)

Content: Psychology 12 AP is intended for those students who have excelled in Psychology 11 and who intend to write the Psychology 12 AP test in May. The AP class focus is on preparing for the AP exam and will cover more material in a shorter time than the Psychology 12 regular class. See also the Psychology 12 course description above.

MATHEMATICS

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WORKPLACE MATH 10 - MWPM-10-4S

Content: The Workplace pathway is for students who enjoy working on projects or "hands-on"activities. It is designed for students who intend to pursue a trade or technical job after high school. The big ideas of Workplace Math 10 are: proportional reasoning, direct and indirect measurement, building meaning and understanding with numbers, representing and analyzing data.

FOUNDATIONS & PRE-CALCULUS MATH 10 - MFMP-10-4S

Content: The Foundations & Pre-Calculus pathway is designed for students who are thinking about future education or a career that involves Sciences, Engineering, Social Sciences or Arts. This course leads to Foundations 11 and Pre-Calculus 11. The big ideas of Foundations & Pre-Calculus 10 are: using algebra to generalize relationships, connecting the operations of powers to polynomials, using multiple representations of linear relations, indirect measurement with trigonometry, and representing and analyzing situations.

FONDEMENTS ET PRÉ-CALCUL MATHÉMATIQUES 10 - FFMPF10-4S

Content: Refer to French Immersion section. The Foundations & Pre-Calculus pathway is designed for students who are thinking about future education or a career that involves Sciences, Engineering, Social Sciences or Arts. This course leads to Foundations 11 and Pre-Calculus 11. The big ideas of Foundations & Pre-Calculus 10 are: using algebra to generalize relationships, connecting the operations of powers to polynomials, using multiple representations of linear relations, indirect measurement with trigonometry, and representing and analyzing situations. Attention will be given to mastery of both English and French terminology.

FONDEMENTS ET PRÉ-CALCUL MATHÉMATIQUES 10 PRE-AP - FFMPF10-H4S

This course is part of the accelerated AP (advanced placement) math program offered at KSS and is intended for students with a strong work ethic and commitment level. This course covers all the topics of Pre-Calculus Math 11. It is a challenging course that will develop the skills necessary for theoretical calculus. Opportunities will be provided to demonstrate mathematical competence in both languages. It is recommended that students complete the Math 9 extensions exercises, found on google classroom provided by their middle school math teacher if they wish to enroll in this course.

FOUNDATIONS & PRE-CALCULUS MATH 10 PRE-AP – MFMP-10H4S

Content: Content: This course is part of the accelerated (advanced placement) math program offered at KSS and is intended for students with a strong work ethic and commitment level. It covers all the topics of Pre-Calculus Math 10 and 11. This is a challenging course that will develop the skills necessary for theoretical calculus. Attention will be given to mastery of the terminology and communication of understanding. It is required that students complete the introductory math 10 units, found on google classroom provided by their middle school math teacher if they wish to enroll in this course.

WORKPLACE MATH 11 - MWPM-11-4S

Content: This course is designed to provide students with the mathematical understanding and critical thinking skills identified for entry into the majority of trades and for direct entry into the workforce. The big ideas of Workplace Math 11 are: proportional reasoning, financial decision making, representing 3D objects in a 2D space, building meaning and understanding with numbers, and representing and analyzing data.

FOUNDATIONS OF MATH 11 – MFOM-11-4S

Content: This course is designed to provide students with the mathematical understanding and critical thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus. Students who are thinking about future education or careers in Social Sciences or Arts should choose this course. The big ideas of Foundations Math 11 are: proportional relationships of similar objects optimization problems and decision making, mathematical logic reasoning and statistical analysis.

PRE-CALCULUS 11 – MPREC11-4S

Content: 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. Students who are thinking about future education or careers in Sciences and Engineering should take this course. The big ideas of Pre-Calculus 11 are: using algebra to generalize relationships, connecting operations of powers to radicals and polynomials, relationships with quadratic functions, and indirect measurement using trigonometry.

APPRENTICESHIP MATH 12 - MAPPR12-4S

Content: This course is designed to provide students with the mathematical understanding and critical thinking skills identified for entry into the majority of trades and for direct entry into the workforce. The big ideas of Apprenticeship Math 12 are: designing and solving problems in the workplace, constructing 3D objects using 2D plans, transferring mathematical skills between problems, proportional reasoning to make sense of relationships, and using precision and accuracy while measuring.

FOUNDATIONS OF MATH 12 – MFOM-12-4S

Content: This course is designed to provide students with the mathematical understanding and critical thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus. Students who are thinking about future education or careers in Social Sciences or Arts should choose this course. This course meets the math requirement for many programs at UBCO. The big ideas of Foundations of Math 12 are: decision making using probability, modelling data and relating to functions, financial mathematical analysis and exploring spatial relationships.

PRE-CALCULUS 12 – MPREC12-4S

Content: 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. Students who are thinking about future education or careers in Sciences and Engineering should take this course. The big ideas of Pre-Calculus 12 are: using inverses to solve problems, extending relationships between functions, understanding the characteristics of families of functions, making connections between classes of functions, transformations of functions and their representations. Students taking this course should also consider taking Calculus 12.

CALCULUS 12 – MCALC12-4S

Recommendation: Pre-Calculus 11 with a minimum of 70%; Pre-Calculus 12.

Content: The big ideas of Calculus 12 are: the concept of a limit, differentiation and instantaneous rate of change, integration of functions and the relationship between drivatives and integrals. Students will solve problems involving these skills and techniques. Students who successfully complete this course will find themselves well prepared for any first year university calculus course. Students taking this course must be enrolled in or have completed Pre-Calculus 12.

CALCULUS 12AP - MCALC12H4L (Linear)

Recommendation: Pre-Calculus Math 11 Pre-AP

Content: This is an advanced, university level course offered to students who have completed Pre-Calculus 11 Pre-AP or Pre-Calculus 12. Topics covered include the theory of limits, differentiation of functions, curve sketching and integration. Students will solve problems using differentiation and integration: related rates, optimization, area under a curve and volumes of revolution. Students who successfully complete this course will find themselves well prepared for any first year university calculus course. The student will be prepared to write the Advanced Placement Math exam. Students taking this course must have completed Pre-Calculus 11 Pre-AP or Pre-Calculus 12. On completion of Calculus 12 AP, students will also have completed the requirements of Calculus 12.

SCIENCE

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SCIENCE 10 - MSC--10-4S

Content: In this course you will learn some of the skills necessary to become a successful scientist. You will work independently and in groups on the development of scientific competencies that include: questioning and predicting; experiment planning and conducting; data analysis, evaluation, and application; and communication of scientific information. This will be accomplished through the study of various topics including; genetics, the Big Bang Theory, energy, and chemical reactions. This class will help you develop a sustained curiosity to the world around you, an ability to assess assumptions and question given information, and an ability to apply scientific literacy to social, ethical, and environmental consideration in the real world. Consistent practice and sustained work ethic are essential for student success.

SCIENCES NATURELLES 10 – FSCF-10-4S

Content: In this course you will learn some of the skills necessary to become a successful scientist. You will work independently and in groups on the development of scientific competencies that include questioning and predicting; experiment planning and conducting; data analysis, evaluation, and application; and communication of scientific information. This will be accomplished through the study of various topics including; genetics, the Big Bang Theory, energy, and chemical reactions. This class will help you develop a sustained curiosity to the world around you, an ability to assess assumptions and question given information, and an ability to apply scientific literacy to social, ethical, and environmental consideration in the real world. Consistent practice and sustained work ethic are essential for student success.

SCIENCE 10 PRE-AP – MSC--10H4S

Recommended Prerequisite: Students must have strong mathematical skills and be enrolled in Foundations & Pre-Calculus Math 10 or Foundations & Pre-Calculus Math 10 Pre-AP. This course is recommended for students with a high B or A average in Science 9 and solid mathematical skills coming from middle school.

Content: In this course you will learn some of the skills necessary to become a successful scientist. You will work independently and in groups on the development of scientific competencies that include: questioning and predicting; experiment planning and conducting; data analysis, evaluation, and application; and communication of scientific information. This will be accomplished through the study of various topics including; genetics, the Big Bang Theory, energy, and chemical reactions. Additionally, this class will cover Chemistry 11 topics including the mole and stoichiometry as well as Physics 11 topics requiring geometry skills. Consistent practice and sustained work ethic are essential for student success. This class will help you develop a sustained curiosity to the world around you, an ability to assess assumptions and question given information, and an ability to apply scientific literacy to social, ethical, and environmental consideration in the real world.

LIFE SCIENCES 11 – MLFSC11-4S

Content: In this course you will learn some of the skills necessary to become a successful scientist. You will work independently and in groups on the development of scientific competencies that include: questioning and predicting; planning and conducting; processing and analyzing data and information; evaluating, applying and innovating; and communicating. This will be accomplished through the study of various topics including; life is a result of interactions at the molecular and cellular levels; evolution occurs at the population level; and organisms are grouped based on common characteristics. This class will help you develop a sustained curiosity to the world around you, an ability to assess assumptions and question given information, and an ability to apply scientific literacy to social, ethical, and environmental consideration in the real world. In senior science classes, there is a large focus on continuing education and careers that incorporate the field of science.

LIFE SCIENCES 11 MARINE– MLFSC11-4SM

Content: In this course you will learn some of the skills necessary to become a successful scientist. You will work independently and in groups on the development of scientific competencies that include: questioning and predicting; planning and conducting; processing and analyzing data and information; evaluating, applying and innovating; and communicating. This will be accomplished through the study of various topics including; life is a result of interactions at the molecular and cellular levels; evolution occurs at the population level; and organisms are grouped based on common characteristics. This class will help you develop a sustained curiosity to the world around you, an ability to assess assumptions and question given information, and an ability to apply scientific literacy to social, ethical, and environmental consideration in the real world. In senior science classes, there is a large focus on continuing education and careers that incorporate the field of science.

LIFE SCIENCES 11 (Marine) (AM)– MLFSC11-4L

Content: This course is offered in and outside of the timetable and will cover the same curriculum as Life Sciences 11 with an emphasis on Marine Biology. The AM course is taught at 7:30 a.m. two days a week. An optional annual field trip to Hawaii will be offered. NOTE: Because of the high interest in this course, not all students selecting this course will be enrolled in it. Students not selected for Marine Biology will automatically be enrolled in regular Life Sciences 11.

LIFE SCIENCES 11 AP-PREP – MLFSC11-4SH

Recommended Prerequisite: Science 10 Pre-AP and a strong work ethic.

Content: In this course you will learn some of the skills necessary to become a successful scientist. You will work independently and in groups on the development of scientific competencies that include questioning and predicting; planning and conducting; processing and analyzing data and information; evaluating; applying and innovating; and communicating. This will be accomplished through the study of various topics including; life is a result of interactions at the molecular and cellular levels; evolution occurs at the population level; and organisms are grouped based on common characteristics. Additional topics that will be covered include cell division, Mendelian genetics, and ecology. This class will help you develop a sustained curiosity to the world around you, an ability to assess assumptions and question given information, and an ability to apply scientific literacy to social, ethical, and environmental consideration in the real world. In senior science classes, there is a large focus on continuing education and careers that incorporate the field of science.

CHEMISTRY 11 – MCH--11-4S

Recommended Prerequisite: As a large portion of this course requires mathematical skills, a strong Math 10 and Science 10 background is recommended.

Content: In this course you will learn some of the skills necessary to become a successful scientist. You will work independently and in groups on the development of scientific competencies that include: questioning and predicting; planning and conducting; processing and analyzing data and information; evaluating, applying and innovating; and communicating. This will be accomplished through the study of various topics including; atoms and molecules are building blocks of matter; organic chemistry and its applications have significant implications for human health, society, and the environment; the mole is a quantity used to make atoms and molecules measurable; matter and energy are conserved in chemical reactions; and solubility within a solution is determined by the nature of the solute and solvent. This class will help you develop a sustained curiosity to the world around you, an ability to assess assumptions and question given information, and an ability to apply scientific literacy to social, ethical, and environmental consideration in the real world. In senior science classes, there is a large focus on continuing education and careers that incorporate the field of science. CALCULATOR: A scientific calculator is required for this course.

CHEMISTRY 11 PRE-AP – MCH--11H4S

Recommended Prerequisite: Science 10 Pre-AP and a strong work ethic. If you have taken Science 10, please see the Science Department Head for more information. This course is aimed at students seriously considering a post-secondary degree in science or applied science.

Content: In this course you will learn some of the skills necessary to become a successful scientist. You will work independently and in groups on the development of scientific competencies that include: questioning and predicting; planning and conducting; processing and analyzing data and information; evaluating, applying and innovating; and communicating. This will be accomplished through the study of various topics including; atoms and molecules are building blocks of matter; organic chemistry and its applications have significant implications for human health, society, and the environment; the mole is a quantity used to make atoms and molecules measurable; matter and energy are conserved in chemical reactions; and solubility within a solution is determined by the nature of the solute and solvent. Additional topics that will be covered at a pre-AP level include the mole concept, stoichiometry, atomic theory, periodic tables, bonding, gases, solutions, and thermochemistry. The final unit is a choice between organic chemistry and reaction kinetics This class will help you develop a sustained curiosity to the world around you, an ability to assess assumptions and question given information, and an ability to apply scientific literacy to social, ethical, and environmental consideration in the real world. In senior science classes, there is a large focus on continuing education and careers that incorporate the field of science. CALCULATOR: A scientific calculator is required for this course.

EARTH SCIENCE 11 – MESC-11-4S

Content: In this course you will learn some of the skills necessary to become a successful scientist. You will work independently and in groups on the development of scientific competencies that include: questioning and predicting; planning and conducting; processing and analyzing data and information; evaluating, applying and innovating; and communicating. This is a dynamic and interesting course that explores subject areas of great importance in today's changing world. Through the study of Earth within our solar system, the study of valuable and economically important minerals and resources found within, and the study of geologic, climatic and oceanographic processes that shape its surface, you will gain a deeper and more appreciative understanding of the unique place we all call home. It is a journey you won't soon forget! This class will help you develop a sustained curiosity to the world around you, an ability to assess assumptions and question given information, and an ability to apply scientific literacy to social, ethical, and environmental consideration in the real world.

ENVIRONMENTAL SCIENCE 11 – MEVSC11-4S

Content: In this action-oriented course, you will explore how environmental science can be used to work towards a sustainable future. You will work collaboratively to develop competencies including; applying Western and Indigenous ways of knowing; interpreting data and information, applying and innovating for change; and communicating scientific information. By working with members of the community and spending time off campus, this course will explore big ideas surrounding ecosystem sustainability and restoration, climate change, and biodiversity. This class will help you foster a curiosity for the world around you, an ability to assess assumptions and question given information, and an ability to apply scientific literacy to social, ethical, and environmental considerations in the real world.

ENVIRONMENTAL SCIENCE and LEADERSHIP 11 – MEVSC11-4LA (Full Year Wednesday After School)

Content: In this action-oriented course, you will work collaboratively to design and implement projects that contribute to finding solutions to environmental challenges at a local and global level. By working with members of the community and spending time on and off campus, you will be engaging in leadership projects to make substantial change. You will explore big ideas surrounding climate change, water use, overexploitation of resources and the importance of biodiversity. This class will help you foster a curiosity for the world around you, an ability to assess assumptions and question given information, and an ability to apply scientific literacy to social, ethical, and environmental considerations in the real world. This is a full-year course that runs Wednesdays after school.

PHYSICS 11 – MPH--11-4S

Recommended Prerequisite: Successful standing in Science 10 and Foundations & Pre-Calculus Math 10 is necessary, C+ or better is recommended.

Content: In this course you will learn some of the skills necessary to become a successful scientist. You will work independently and in groups on the development of scientific competencies that include: questioning and predicting; planning and conducting; processing and analyzing data and information; evaluating, applying and innovating; and communicating. This will be accomplished through the study of various topics including; an object's motion can be predicted, analyzed, and described; forces influence the motion of an object (O'Newton's Laws); energy is found in different forms, is conserved, and has the ability to do work; and mechanical waves transfer energy but not matter. This class will help you develop a sustained curiosity to the world around you, an ability to assess assumptions and question given information, and an ability to apply scientific literacy to social, ethical, and environmental consideration in the real world. In senior science classes, there is a large focus on continuing education and careers that incorporate the field of science. CALCULATOR: A scientific calculator is essential for this course.

PHYSICS 11 PRE-AP – MPH--11H4S

Recommended Prerequisite: **a strong work ethic** and ability to utilize hours outside of class time for study and practice. High grades in Science 10 (English or French) **OR** Science 10 Pre-AP are recommended. This class is the extension of Science 10 Pre-AP though admission may be possible from regular Science 10. This course is intended for students with a desire to pursue science at the post-secondary level.

Content: In this course you will learn some of the skills necessary to become a successful scientist. You will work independently and in groups on the development of scientific competencies that include: questioning and predicting; planning and conducting; processing and analyzing data and information; evaluating, applying and innovating; and communicating. This will be accomplished through the study of various topics including; an object's motion can be predicted, analyzed, and described; forces influence the motion of an object; energy is found in different forms, is conserved, and has the ability to do work; and mechanical waves transfer energy but not matter. Additional topics include vectors, static equilibrium, dynamics, electrostatic, circuits, and waves. This class will help you develop a sustained curiosity to the world around you, an ability to assess assumptions and question given information, and an ability to apply scientific literacy to social, ethical, and environmental consideration in the real world. In senior science classes, there is a large focus on continuing education and careers that incorporate the field of science. CALCULATOR: A scientific calculator is essential for this course.

SCIENCE FOR CITIZENS 11 - MSCT-11-4S

Content: The big ideas to be explored in this course include; how science informs decisions in our daily lives, the everyday uses of science, the safety implications of science in the workplace, and how human choices affect global systems. Through the study of these overarching themes, students will develop their ability to; question and predict, interpret scientific information, and communicate scientific ideas.

ANATOMY & PHYSIOLOGY 12 - MBI--12-4S

Content: In this course you will learn some of the skills necessary to become a successful scientist. You will work independently and in groups on the development of scientific competencies that include questioning and predicting; planning and conducting; processing and analyzing data and information; evaluating; applying and innovating; and communicating. This will be accomplished through the study of various topics including; homeostasis is maintained through physiological processes; gene expression, through protein synthesis, interaction between genes and the environment; and organ systems have complex interrelationships to maintain homeostasis. This class will help you develop a sustained curiosity to the world around you, an ability to assess assumptions and question given information, and an ability to apply scientific literacy to social, ethical, and environmental consideration in the real world. In senior science classes, there is a large focus on continuing education and careers that incorporate the field of science.

ANATOMY & PHYSIOLOGY 12 AP - MBI--12H4L (Linear)

Recommended Prerequisite: Biology 11 Pre-AP

Content: In this course you will learn some of the skills necessary to become a successful scientist. You will work independently and in groups on the development of scientific competencies that include: questioning and predicting; planning and conducting; processing and analyzing data and information; evaluating, applying and innovating; and communicating. This will be accomplished through the study of various topics including; homeostasis is maintained through physiological processes; gene expression, through protein synthesis, interaction between genes and the environment; and organ systems have complex interrelationships to maintain homeostasis. Additional topics that will be covered include cellular respiration, photosynthesis, and cell communication. This class will help you develop a sustained curiosity to the world around you, an ability to assess assumptions and question given information, and an ability to apply scientific literacy to social, ethical, and environmental consideration in the real world. In senior science classes, there is a large focus on continuing education and careers that incorporate the field of science.

CHEMISTRY 12 – MCH--12-4S

Recommended Prerequisite: Chemistry 11

Content: This course is designed for students intending to pursue a post-secondary degree in science or applied science. In this course you will learn some of the skills necessary to become a successful scientist. You will work independently and in groups on the development of scientific competencies that include: questioning and predicting; planning and conducting; processing and analyzing data and information; evaluating, applying and innovating; and communicating. This will be accomplished through the study of various topics including; reactants must collide to react, and the reaction rate is dependent on the surrounding conditions; dynamic equilibrium can be shifted by changes to the surrounding conditions; saturated solutions are systems in equilibrium; acid or base strength depends on the degree of ion dissociation; and oxidation and reduction are complementary processes that involve the gain or loss of electrons. This class will help you develop a sustained curiosity to the world around you, an ability to assess assumptions and question given information, and an ability to apply scientific literacy to social, ethical, and environmental consideration in the real world. In senior science classes, there is a large focus on continuing education and careers that incorporate the field of science. CALCULATOR: A scientific calculator is required for this course.

CHEMISTRY 12 AP - MCH--12H4L (Linear)

Recommended Prerequisite: Chemistry 11 Pre-AP. If you have taken Chemistry 11, please see the Science Department Head for more information.

Content:This course is designed for students intending to pursue a post-secondary degree in science or applied science. In this course you will learn some of the skills necessary to become a successful scientist. You will work independently and in groups on the development of scientific competencies that include: questioning and predicting; planning and conducting; processing and analyzing data and information; evaluating, applying and innovating; and communicating. This will be accomplished through the study of various topics including; reactants must collide to react, and the reaction rate is dependent on the surrounding conditions; dynamic equilibrium can be shifted by changes to the surrounding conditions; saturated solutions are systems in equilibrium; acid or base strength depends on the degree of ion dissociation; and oxidation and reduction are complementary processes that involve the gain or loss of electrons. This class will help you develop a sustained curiosity to the world around you, an ability to assess assumptions and question given information, and an ability to apply scientific literacy to social, ethical, and environmental consideration in the real world. In senior science classes, there is a large focus on continuing education and careers that incorporate the field of science. CALCULATOR: A scientific calculator is required for this course.

ENVIRONMENTAL SCIENCE 12 - MEVSC12-4S

Content: In this action-oriented course, you will explore how environmental science can be used to work towards a sustainable future. You will work collaboratively to develop competencies including; applying Western and Indigenous ways of knowing; interpreting data and information, applying and innovating for change; and communicating scientific information. By working with members of the community and spending time off campus, this course will explore big ideas surrounding water use, land use and climate change. This class will help you foster a curiosity for the world around you, an ability to assess assumptions and question given information, and an ability to apply scientific literacy to social, ethical, and environmental considerations in the real world.

ENVIRONMENTAL SCIENCE 12 and LEADERSHIP - MEVSC12-4SA (Full Year Wednesday After School)

Content: In this action-oriented course, you will work collaboratively to design and implement projects that contribute to finding solutions to environmental challenges at a local and global level. By working with members of the community and spending time on and off campus, you will be engaging in leadership projects to make substantial change. You will explore big ideas surrounding climate change, water use, overexploitation of resources and the importance of biodiversity. This class will help you foster a curiosity for the world around you, an ability to assess assumptions and question given information, and an ability to apply scientific literacy to social, ethical, and environmental considerations in the real world. This is a full-year course that runs Wednesdays after school.

GEOLOGY 12 - MGEOL12-4S

Content: In this course you will learn some of the skills necessary to become a successful scientist. You will work independently and in groups on the development of scientific competencies that include: questioning and predicting; planning and conducting; processing and analyzing data and information; evaluating, applying and innovating; and communicating. The Earth is a big and ancient place, why not understand as much about it as possible! Geology 12 will take you from the earliest years of our planet to millions of years in the future. In between, this fascinating course looks at the importance of minerals and other resources from a scientific and economic perspective. Volcanoes erupt, earthquakes rumble, all from the comfort of your classroom as we study plate tectonics. Embark upon both virtual and real geology field trips. Walk in the footsteps of dinosaurs to see how they lived and died. Learn more about the processes that shape, create and destroy the surface of the planet we call home. Buckle up, it's going to be a "rocky" ride. This class will help you develop a sustained curiosity to the world around you, an ability to assess assumptions and question given information, and an ability to apply scientific literacy to social, ethical, and environmental consideration in the real world.

HEALTH SCIENCE 12 (SPECIALIZED SCIENCE 12) – MSPSC12-4S

Specialized Science 12- (Health Sc. 12) is the perfect course for students who may have an interest in pursuing a career in health sciences/health care. The intent of the course is to present students with opportunities and information that will help facilitate their transition to post-secondary health science programs. Students will explore the following topics: Health Care Careers, Nutrition and Personal Health and Wellness, Anatomy and Physiology of the Human Body, Injury - Rehab and Prevention, Health Disorders and Diseases. During this exploration, students will work on developing their communication/presentation skills, practice their critical and creative thinking, they will also assess their own personal health and wellness and identify their personal and cultural identity. As there are limited seats for this program, students with the strongest interest and regular attendance are given priority for a seat in this program. This is the perfect preparatory course for any students that are considering post-secondary programs such as Nursing, Human Kinetics (Health & Exercise), Medicine, Physiotherapy etc. **"*** UBC will consider this course as one of the 6 recommended Grade 12 courses towards admission***"**

PHYSICAL LABORATORY SCIENCE 12 - YPLS-2C-4S

Prerequisite: Chemistry 11, Pre-Calculus Math 11

This course is intended for those students with an interest in science and a desire to pursue science at the post-secondary level. The focus of this course is the completion of a series of laboratory investigations based upon first year university chemistry labs. As the students who might take this class are most likely already enrolled in an intensive course of study, the intention is to have all labs and write-ups completed during class time (as is the case in many universities).

Over the course of this class, the student will acquire basic laboratory skills and learn techniques which will be required in university/college courses. They will also, through the hands-on nature of experimental science, reinforce their pre-existing knowledge and expand upon it. Students should also gain a better understanding of the role of the science lab in real world applications, such as water quality analysis, assaying, and organic chemistry processes. Laboratory work has also been demonstrated to increase student enjoyment and appreciation of the sciences. All of these factors should contribute to the student being better prepared for success in first year university science (chemistry) labs.

PHYSICS 12 - MPH--12-4S

Recommended Prerequisite: Students wishing to enroll should have completed Physics 11 and Foundation **OR** Pre-Calculus Math 11 and recognize that a significant level of academic commitment is required.

Content: In this course you will learn some of the skills necessary to become a successful scientist. You will work independently and in groups on the development of scientific competencies that include: questioning and predicting; planning and conducting; processing and analyzing data and information; evaluating, applying and innovating; and communicating. This will be accomplished through the study of various topics including; measurement of motion depends on our frame of reference; forces can cause linear and circular motion; forces and energy interactions occur within fields; and momentum is conserved within a closed and isolated system. This class will help you develop a sustained curiosity to the world around you, an ability to assess assumptions and question given information, and an ability to apply scientific literacy to social, ethical, and environmental consideration in the real world. In senior science classes, there is a large focus on continuing education and careers that incorporate the field of science.

PHYSICS 12 AP - MPH--12H4L (Linear)

Recommended Prerequisite: Students wishing to enroll should have completed Pre-AP Physics 11 and Pre-Calculus Math 11 **OR** have permission from the instructor and recognize that a significant level of academic commitment is required.

Content: In this course you will learn some of the skills necessary to become a successful scientist. You will work independently and in groups on the development of scientific competencies that include: questioning and predicting; planning and conducting; processing and analyzing data and information; evaluating, applying and innovating; and communicating. This will be accomplished through the study of various topics including; measurement of motion depends on our frame of reference; forces can cause linear and circular motion; forces and energy interactions occur within fields; and momentum is conserved within a closed and isolated system. Additional topics include thermodynamics, harmonic motion, electro-magnetism, quantum physics, wave-particle duality, and angular kinematics. Tutorial time outside the bell schedule is mandatory. This class will help you develop a sustained curiosity to the world around you, an ability to assess assumptions and question given information, and an ability to apply scientific literacy to social, ethical, and environmental consideration in the real world. In senior science classes, there is a large focus on continuing education and careers that incorporate the field of science.

SUSTAINABLE ENGINEERING 11 – MENR-11-4S

A project based course designed for those considering pursuing studies in engineering. Projects will focus on sub-disciplines such as 3-D printing (engineering design), Water quality and treatment (enviro), construction materials (civil). Student presentations and participation will be expected. Numerous field trips to UBCO will be mandatory. Completion of Math 10 Foundations/pre-calc is essential, Physics and or Chem 11 recommended.

SUSTAINABLE ENGINEERING 12 – MENR-12-4S

Students desiring further development of skills from Engineering 11 are eligible to enroll. The class will be project based using the FESTO Mechanical Engineering platform using mechanical engineering, electrical engineering and coding. A national exam is available for those students seeking to write, a successful score will allow international certification in the use of FESTO equipment for engineering and education. Math and Physics at the grade 11 level along with Sustainable Engineering 11 is essential.

This class does not satisfy grad requirements for a grade 11 science. It does count as an Applied Skill Credit.

LANGUAGES

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AMERICAN SIGN LANGUAGE

American Sign Language is a visual language which combines formal signs, finger spelling, gestures, body language, and facial expression. The learning environment in the classroom is fun, fast paced, and highly interactive. Students are given a variety of experiences and opportunities to use ASL, including the opportunity to communicate with individuals and members of the Deaf community who use ASL as their first language. ASL is a challenging and demanding course. Strong work habits, regular attendance and full participation in class activities are essential in order to fulfill the course requirements. All grades are welcome.

INTRO AMERICAN SIGN LANGUAGE – MIASL11-4S

Prerequisite: None

Content: American Sign Language is a visual language which combines formal signs, fingerspelling, gestures, body language and facial expression. The learning environment in the classroom is fun, fast paced and highly interactive- all without using voice! Students are given opportunities to explore ASL, including the opportunity to communicate with members of the Deaf Community. ASL is a challenging and demanding course; strong work habits, and full participation is essential.

Post-Secondary: This course, plus ASL 11 will satisfy the second language requirement for many universities. It is recommended that you take ASL 12 in order to satisfy exit requirements for some degree programs. (Check with your postsecondary institution to confirm.)

AMERICAN SIGN LANGUAGE 11 - MASL-11-4S

Prerequisite: Introductory ASL

Content: ASL 11 continues to expand on expressive and receptive skills, vocabulary and experiences of Introductory ASL 11. Students will be encouraged to use ASL in real life situations, to research topics related to ASL, and to become familiar with the art and literature of Deaf Culture as it relates to learning ASL. ASL 11 is a visually demanding course which requires continued commitment, strong work ethic and regular attendance.

Post-Secondary: It is recommended that you take ASL 12 in order to satisfy exit requirements for some degree programs. (Check with your postsecondary institution to confirm.)

AMERICAN SIGN LANGUAGE 12 - MASL-12-4S

Prerequisite: ASL 11

Content: ASL 12 connects ASL language skills with real life situations, further exploring Deaf Culture within the local Deaf Community. Increased language proficiency will allow students to gain deeper social and personal awareness skills through the lens of a global citizen and ally. Through inquiry, students will explore creative works that will promote connections between language and culture.

Post-Secondary: This course may satisfy the exit requirements for some university degrees. (Check with your postsecondary institution to confirm.)

FRENCH 10 – MFR--10-4S

Content: Acquiring a language provides us with new opportunities to appreciate and value creative works and cultural diversity. In this course, we will foster a constructive and enthusiastic attitude towards learning another language, a sense of accomplishment for mastering the use of simple related sentences in order to express ideas orally and in written form in that language, and an ability to apply a range of language-learning strategies to assist in comprehension and expression of this language. We will also further develop our ability to communicate in French in everyday situations, through themes and vocabulary studied. In studying the French language and its cultures, students will learn to appreciate and value diversity and to foster an attitude of acceptance.

FRENCH 11 – MFR--11-4S

Content: Acquiring a language provides us with new opportunities to appreciate and value creative works and cultural diversity. In this course, we will foster a constructive and enthusiastic attitude towards learning another language, a sense of accomplishment for mastering the use of more complex sentence structures in order to express ideas orally and in written form, and an ability to apply a range of language-learning strategies to assist in comprehension and expression of this language. We will also further develop our ability to communicate in French in past, present and future time, through themes and vocabulary studied. In studying the French language and its cultures, students will learn to appreciate and value diversity and to foster an attitude of acceptance.

FRENCH 12 – MFR--12-4S

Content: Acquiring a language provides us with new opportunities to appreciate and value creative works and cultural diversity. In this course, we will foster a constructive and enthusiastic attitude towards learning another language, a sense of accomplishment for mastering the use of ever more complex sentences in order to express ideas orally and in written form in that language, and an ability to apply a range of language-learning strategies to assist in comprehension and expression of this language. We will also further develop our ability to communicate in French in everyday situations, in past, present, and future time (using simple and complex language patterns), through themes and vocabulary studied. In studying the French language and its cultures, students will learn to appreciate and value diversity and to foster an attitude of acceptance.

GERMAN 10 – MGE--10-4S

Content: In this course, students in grade 10, 11 or 12 will learn the skills necessary to become competent in communicating the basics of the German language. Students will learn a range of commonly used vocabulary and sentence structures for conveying meaning. Students will also engage in a variety of activities such as asking and responding to various types of questions, describing events and situations. Learning a second language is a life skill that helps students appreciate other cultures and diversity around the world.

GERMAN 11/12 – MGE--11-4S / MGE--12-4S

Content: This course expands students' skills of communicating in German, emphasizing written comprehension oral communication and grammar. Students will increase their range of commonly used vocabulary and sentence structures for conveying meaning. Students will express opinions with different degrees of likes and dislikes, use past and present timeframes, and learn idiomatic expressions. By asking and responding to various types of questions, describing activities, situations, and events students will continue to develop the German language.

JAPANESE 10 – MJA--10-4S

This beginning level course will take you through the basics of reading, writing, listening, and speaking Japanese via individual, collective, and interactive activities. You will learn how to read two alphabets unique to the Japanese language: hiragana and katakana. This is no small feat as these alphabets are unlike the European languages common to our Western way of life. However, Japanese is easy to pronounce and the grammatical rules are relatively easy to grasp. We will engage in cultural experiences of the Japanese people including pop culture (e.g., anime, manga) as well as the ancient and traditional arts (e.g., origami and calligraphy). We will also learn about and play Japanese sports and games like sumo, martial arts, and karuta. We plan on offering a school trip to Japan every second year.

JAPANESE 11 – MJA--11-4S

In this intermediate level course, students will gain further functional fluency in areas such as telling time, describing activities, invitations, describing what something is like, expressing opinions, travel, weather, and expressing possibilities. We will also learn about Japanese history and geography. Students will enhance their writing and reading skills by learning an increasing amount of kanji (Chinese logographic characters).

JAPANESE 12 – MJA--12-4S

In this upper-intermediate level course, students will enhance their foundational knowledge and skills by learning different dialects and casual and polite forms of speech. Topics of study will include shopping, order in restaurants, describing people, new and modern Japanese words, directions, and comparisons. We will also explore the complexities of the Japanese-Canadian historical context and contemporary issues of Japanese society. By the end of Japanese 12, students are encouraged to participate in an optional certificate exam called the Japanese Language Proficiency Test (N5).

PUNJABI 10 – MPUN-10

Punjabi 10 is a beginner course in Punjabi. Students will learn the alphabet, vowel symbols, basic grammar skills, and basic reading skills. Students will learn how to use common expressions and vocabulary for familiar objects. There will be a number of major projects to extend their knowledge of the Punjabi language, culture, and history. Students are expected to work hard in order to be successful in this course.

PUNJABI 11 – MPUN-11

Punjabi 11 will build on the skills acquired in the Punjabi 10 course. Students will review the alphabet and vowel symbols, and then build on grammar skills and reading skills. Students will learn how to use common expressions and vocabulary for familiar objects. There will be a number of major projects to extend their knowledge of the Punjabi language, culture, and history. Students are expected to work hard in order to be successful in this course.

SPANISH 10 – MSP--10-4S

Content: In this course, you will learn the beginning language skills necessary to become a successful Spanish speaker. You will have the opportunity to engage in various types of activities: listening, reading, writing and speaking in Spanish. In addition, you will develop an understanding of the cultural context within the language. Students will learn the basic skills necessary to function in real life experiences in a Hispanic country.

SPANISH 11 – MSP--11-4S

Content: In this course, you will continue to build the language skills necessary to become a successful Spanish speaker. You will have the opportunity to engage further in various types of activities: listening, reading, writing and speaking in Spanish. In addition, you will add to your understanding of the cultural context within the language. Students will have the opportunity to broaden the skills necessary to function in real life experiences in a Hispanic country

SPANISH 12 – MSP--12-4S

Content: In this course, you will broaden language skills that are necessary to become a successful Spanish speaker. You will have the opportunity to engage more deeply in various types of activities: listening, reading, writing and speaking in Spanish. In addition, you will extend your understanding of the cultural context within the language. Students will enhance the skills necessary to function in real life experiences in a Hispanic country

CAREER LIFE PROGRAMS

CAREER LIFE EDUCATION 10A - MCLEA-10-2T (10 Week Course)

Content: Career Life Education 10 (CLE 10) will connect students' career life journey from grade 9 into the high school setting. Instructional focus will encourage each student to create a positive and valuable pathway involving exploration of educational course/program options and social responsibilities in the high school, local community and global environments. The district's Myblueprint program will be a major resource in this course.

CAREER LIFE EDUCATION 10B / CAREER LIFE CONNECTIONS 12A– MCLEB-10-2T(4 credits)

Éducation à la carrière 11 – FCLEB-10-2T

Content: Career Life Education 10B & Career Life Connections 12A (CLE 10B & CLC 12A) will continue the career life journey developing a focused education and career pathway towards graduation and life after high school. Emphasis will be on post-secondary and career exploration, financial literacy, sustainability and community responsibility, and balanced lifestyles. This course uses a blended learning style involving two teachers delivering lessons in the classroom, one physically and one virtually in the classroom. The Digital Communications portion will deliver course content using current digital literacy skills and social media responsibilities.

CAREER LIFE CONNECTION 12B/CAPSTONE 12 – MCLCB-12-2S (2 credits)

Content: Capstone 12 continues the career life journey through individual exploration of post-secondary and career options. Students will create a capstone project reflecting their pathway and connecting their plans for life after high school. The student will present this project to a teacher/community panel for final evaluation. This is a self-directed course delivered through English 12.

DUAL CREDIT PROGRAMS

The Central Okanagan Public Schools provide post-secondary program options to high school students that allow students the opportunity to begin post-secondary training while in high school. Students will earn post-secondary credentials that will also give them credit towards their high school graduation. Students can begin taking post-secondary programs/courses in trades and technical training, health and human services, and first-year university transfer courses in Arts, Science, and Engineering.

A full list of program options can be found on the website at: https://www.dualcredit23.com/

PRE-EMPLOYMENT PROGRAM

Pre-Employment Program Referral Required. This program is for students who struggle to succeed in academic classes and are interested in developing job-related skills and experience. All students entering this program must be at least 15 years old and go through an information consultation, including students and parents to determine suitability for the program. Pre-Employment is a versatile program as students may enter in one grade and stay in the program or transition out. All students in the program will cover a curriculum with coursework in Math and English geared to their appropriate performance level with differentiated instruction. This coursework includes 10-week job placements within the community. Students will rotate 10 weeks of learning at KSS, including Math, English, and other courses, then do 10 weeks of work experience on a job placement. Students completing the program obtain an Evergreen Completion Certificate or, in unique circumstances, transition to an Adult or Dogwood Graduation certificate. Objectives for Pre-Employment/Work Experience are:

- to equip students with valuable skills and knowledge for early entry into the work community or to build skills for college certification programs.
- to provide the opportunity for occupational exploration by utilizing community resources
- to help students identify the interests and aptitudes related to various occupations.

- to enable students to see the practical application of academic subjects.
- to develop communication and cooperation between the school and the community.
- to provide work experience in a wide range of job situations so that students will have improved employability and a better idea of their strengths, interests, and career choices.

CULTURE AND LEADERSHIP

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INDIGENOUS CULTURE & LEADERSHIP 10/11/12 – YCPA-0B-4S, YCPA-1B-4S, YCPA-2B-4S

Content: Indigenous Culture & Leadership provides Indigenous and non-Indigenous youth with leadership experience in and out of school by providing local and global citizenship opportunities. This course emphasizes understanding of First Nations culture, history and language and development of well-rounded individuals with a sense of belonging and spiritual understanding to pursue ambitions in life that enhance cultural understanding and community connections.

LEADERSHIP 10 - YCPA-0A-2T (10 week)

Content: Do you want a voice? Do you want a "say" in what happens at KSS for Grade 10 students? Then join Leadership.

In this course you will plan spirit days, holiday and lunchtime events as well as community food drives and fundraisers. You will learn organizational, communication and team building skills.

LEADERSHIP 11 - YCPA-1A-4S

Content: This course is designed to figure out if Leadership is for you. It takes students with many different talents to organize an event and we are looking for talented students that are interested in making KSS a better place. The students in Leadership 11 will learn the skills of event planning, how to run a meeting, organize lunchtime events, use timelines and learn concepts in marketing and advertising. As well, team building and effective group management skills are taught concurrently.

LEADERSHIP 12 – EVENT PLANNING – YCPA-2A-4S

Content: This course is designed for those students that want to excel in the world of event planning, marketing, promotions and advertising. The students will work closely with local radio stations, TV and advertising firms. Students will also visit a variety of community organizations such as the BC Cancer Foundation of the Southern Interior, Rotary, the Gospel Mission and Prospera. This knowledge will then in turn be used to organize Grad Sleepover, KSS Airband and KSS Cancer Awareness Week. Students will be expected to work hard and exhibit a passion for KSS and it's surrounding community.

LEADERSHIP 11/12 (AM Class) YCPA-1A-4L – YCPA-2A-4L (By application only, see Mr. Triggs or Mr. Sodaro) (Linear)

Content: Offered outside of the timetable students will experience Leadership 11 or 12 by contributing in fostering school spirit and gain the Leadership experience that many universities are looking for through volunteering and working with school and community organizations. The students will learn advanced skills in the areas of event planning, marketing and promotions as well as using timelines, presentation skills and how to conduct meetings. The students will be able to contribute to Airband, Grad Sleepover, Western Canada Basketball Tournament and Cancer Awareness week. Another focus will be to choose a world, national or local organization to work with and raise funds for. They will be expected to work hard, volunteer some of their own time and contribute to the spirit and culture of KSS.

Leadership 10-12 (School Store) - Linear

This is an outside the timetable course that is held at lunchtime where students will contribute to the spirit of K.S.S by operating the school store. Students would be trained in food safe practices, customer interaction and would develop protocols and procedures to help the store be efficient and profitable.

PHYSICAL HEALTH EDUCATION

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PHYSICAL & HEALTH EDUCATION 10 MPHED10-4S

Content: Physical and Health Education 10 develops the lifelong learners love of physical fitness and health. Through individual, group and team activities you learn how healthy choices influence your, physical, emotional, and mental well-being. This completes the process of establishing a strong foundation of skills, knowledge, and attitudes for students. It prepares them for Grade 11 and 12 Physical and Health Education courses that relate to their interests and passions for the future.

DANCE FITNESS 10/ 11/12

MPHED10-4S-DF – (Semester) (PE credit)

Content: Everyone is welcome! The emphases of Dance Fitness are learning about different dance styles, creating your own Zumba and choreography, fun fitness, and exploring Mindfulness. We will focus on your well-being and going at your pace. Dance Fitness is a co-ed, non-performing in the community dance/fitness class for all levels. The class's activities are often determined by students' interests and what they want to participate in. Opportunities for students to lead warm-up and other exercises to grow leadership skills will be offered and encouraged.

MDCF-11-4S – MDCF-12-4S (Semester, PE credit)

Dance Fitness 11/12 will be an extension and advancement of Dance Fitness 10 and anyone motivated can take the course without past experience. There will be lots of different styles of choreography and fun fitness to learn and explore! Come get your groove on in a safe class that can energize and empower your life! Opportunities for students to lead warm-up and other exercises to grow leadership skills will be offered and encouraged.

DANCE FITNESS TEACHER ASSISSTANT 11/12 YIPS-1B-4S / YIPS-2B-4S

Students taking this course will help with planning and organizing, run warm-ups, help teach and/or create choreography, support students and mange equipment and other tasks as required. They must show leadership by bringing gym strip and participate in class. NOTE: Students interested in this course should build a spare into their timetable and then obtain permission from the DF teacher to be scheduled into this course.

LOCALLY DEVELOPED PHYSICAL EDUCATION - XPE--11M-S

Students taking this course will help with planning and organizing, run warm-ups, help teach and/or create choreography, support students and mange equipment and other tasks as required. They must show leadership by bringing gym strip and participate in class. NOTE: Students interested in this course should build a spare into their timetable and then obtain permission from the DF teacher to be admitted into this course.

LOCALLY DEVELOPED PHYSICAL EDUCATION TEACHER ASSISTANT 11/12 - YIPS-1B-4S / YIPS-2B-4S

Content: Teacher Assistants will be helping out in a Diverse Abilities PE class in Block 7/8. Students taking this course will participate in administrative duties, run warm-ups, support students, and help with equipment and other tasks as required. They must show leadership, wear gym strip and participate in class activities. NOTE: This is a great class to Teacher Assist if you love PE and helping others. This course includes various fun field trips in the community. Students interested in this course should build a spare in block 7/8 into their timetable and see Mrs. Zaseybida for more information.

ACTIVE LIVING 11 (Lifetime Sports) - MACLV11-4S

Content: In AL 11, you will develop a greater appreciation of the role of fitness as well as the many different lifetime sports available in the community. You will develop leadership skills, the ability to monitor your own physical fitness in both individual and team environments both on and off campus. A variety of adventurous activities such as golf, squash, racquetball, walleyball, cycling, curling, swimming, skating, bowling, mini golf, batting cages, driving range, yoga, tennis, indoor rock climbing and a variety of other activities are offered as off campus activities. There is a constantly varied assortment of traditional (e.g. badminton and basketball) and fringe (e.g. arena football and handball) activities offered at school to further challenge yourself mentally, socially, emotionally, and physically. You will assess your own teamwork, communication and collaboration abilities when participating in lifetime sports and leisure. An appreciation for remaining active, fit and healthy develops while learning these fun lifetime sports. There is a small fee to offset off campus travel and facility fees.

ACTIVE LIVING 12 – MACLV12-4S

Content: In AL 12, you will develop a greater appreciation of the role of fitness as well as the many different lifetime sports available in the community. You will continue to develop leadership skills, the ability to monitor your own physical fitness in both individual and team environments both on and off campus. The ability to be able to organize and run different sports and activities on your own or as part of a team is stressed throughout this course. A variety of adventurous activities such as golf, squash, racquetball, walleyball, cycling, curling, swimming, skating, bowling, mini golf, batting cages, driving range, yoga, tennis, indoor rock climbing and a variety of other activities are offered as off campus activities. There is a constantly varied assortment of traditional (e.g. badminton and basketball) and fringe (e.g. arena football and handball) activities offered at school to further challenge yourself mentally, socially, emotionally, and physically. You will assess your own teamwork, communication and collaboration abilities when participating in lifetime sports and leisure. An appreciation for remaining active, fit and healthy develops while learning these fun lifetime sports. There is a small fee to offset off campus travel and facility fees.

MOUNTAIN BIKING 10-12 (YHRA-0C-4S,YHRA-1C-4S, YHRA-2C-4S)

Prerequisite: Physical & Health Education 10 and Teacher recommendation

Content: an elective course for those students that have completed PHED 10. This course will enable students to develop Mountain Biking skills and knowledge from an intermediate level to an advanced level. The class will build on a variety of sport specific movement, skills, systems and strategies related to mountain biking, focusing on the fundamentals of the sport. Students will be able to ride with knowledge of upcoming terrain and maintaining a safe riding pace, use consistent position & balance skills through the ‘Climbing”, “Neutral” and “Ready” Positions, combined with a good range of movement. The sport of mountain biking calls for a wide variety of skills such as agility, balance, and focus. It requires both upper and lower body strength and cardiovascular fitness. Students are expected to have the preceding skills before entering the course.

OUTDOOR EDUCATION 11 - MODED11-4L (Linear, Outside theTimetable)

Prerequisite: None

Content: In Outdoor Education 11, you will become a competent, self-confident outdoor enthusiast through participating in wilderness-based experiences. You will develop various techniques and survival skills for working in Mother Nature's complex and dynamic environment. A variety of adventurous activities such as backpacking, biking, rock climbing, canoeing, snowshoeing, and snow caving are offered as an outdoor classroom for you to challenge yourself mentally, socially, emotionally, and physically. You will assess your own teamwork, communication and collaboration abilities when participating in outdoor activities. A deep appreciation, understanding and respect for our natural environment develops while learning basic survival skills and the Leave No Trace philosophy. All classes are outside of the timetable.

OUTDOOR EDUCATION 12 – MODED12-4L (Linear, outside the timetable)

Prerequisite: None

Contents: In Outdoor Education 12, you will develop a greater appreciation for the abilities required to participate safely in wilderness activities. You will continue to develop your competency in outdoor skills such as leadership, trip planning, nutritional planning, navigation, and survival techniques that can be applied in a variety of environments as well as a heightened awareness of the need for environmental conservation. Wilderness adventures will include alpine backpacking, snow caving, snowshoeing, and survivalist solo camping. You will assess your own teamwork, communication and collaboration abilities when participating in outdoor activities. This course offers students the opportunity to leave the fast-paced, technology driven society behind to develop an appreciation of being healthy and active for a lifetime of outdoor recreation enjoyment. All classes are outside of the timetable.

PE TEACHER ASSISTANT 11/12

Content: Students taking this course will help with administrative duties, run warm-ups, help with equipment and other tasks as required. They must show leadership by bringing gym strip and participate in all activities. NOTE: Students interested in this course should build a spare into their timetable and then obtain permission from the PE teacher to be admitted into this course. Once admitted, they will receive the necessary form to fill out.

STRENGTH, FITNESS & CONDITIONING 11/12 - MFTCD11-4L (AM) (Linear, outside the timetable) MFTCD11-4S (In the timetable)

Content:This is an elective for those who have completed PE 10. It is designed to facilitate the development of students who will be engaged with and knowledgeable about their health and physical development over the course of their lives. Furthermore, they will know how their bodies move and function to stay safe during exercise. Students will demonstrate the ability to develop, implement, and then re-evaluate/modify a training plan to achieve their own fitness goals. Students will understand how to make healthy choices and how to use proper training guidelines and techniques to reach new health and fitness goals. Students will further understand how this expertise can positively impact their current and future well-being.

STRENGTH, FITNESS & CONDITIONING 11/12 (Field Hockey) - MFTCD11-4S (In the timetable)

Content: This course is designed to facilitate the development of students who will be engaged with and knowledgeable about their health and physical development over the course of their lives as well as how to apply it to the modern game of Field Hockey. Furthermore, they will know how their bodies move and function to stay safe during exercise. Students will demonstrate the ability to develop, implement, and then re-evaluate/modify a training plan to achieve their own fitness goals as well as what is needed to participate and compete in Field Hockey activities (i. e., practice and competition). Students will understand how to make healthy choices and how to use proper training guidelines and techniques to reach new health and fitness goals specifically aimed at higher level Field Hockey athletes. Students will further understand how this expertise can positively impact their current and future well-being.

STRENGTH, FITNESS & CONDITIONING 11/12 (Rugby) - MFTCD11-4 (First Semester)

Content: This course is designed to facilitate the development of students who will be engaged with and knowledgeable about their health and physical development over the course of their lives as well as how to apply it to the game of Rugby. Furthermore, they will know how their bodies move and function to stay safe during exercise. Students will demonstrate the ability to develop, implement, and then re-evaluate/modify a training plan to achieve their own fitness goals as well as what is needed to participate and compete in Rugby activities (i.e., practice and competition). Students will understand how to make healthy choices and how to use proper training guidelines and techniques to reach new health and fitness goals specifically aimed at higher level Rugby athletes. Students will further understand how this expertise can positively impact their current and future well-being.

STRENGTH, FITNESS & CONDITIONING 11/12 (Football) - MFTCD11-4 (PM) (Second Semester, outside the timetable)

Content: This course is designed to facilitate the development of students who will be engaged with and knowledgeable about their health and physical development over the course of their lives as well as how to apply it to the game of Football. Furthermore, they will know how their bodies move and function to stay safe during exercise. Students will demonstrate the ability to develop, implement, and then re-evaluate/modify a training plan to achieve their own fitness goals as well as what is needed to participate and compete in Football activities (i.e., practice and competition). Students will understand how to make healthy choices and how to use proper training guidelines and techniques to reach new health and fitness goals specifically aimed at higher level Football athletes. Students will further understand how this expertise can positively impact their current and future well-being. There will also be an emphasis on football systems to help understand the rules, strategy, and culture needed for success. There will also be opportunities for students to learn leadership and ways to give back to sport.

STRENGTH, FITNESS & CONDITIONING 12 - MFTCD12-4L (AM) (Linear, outside the timetable) MFTCD12-4S (In the timetable)

Content: This is an elective for those who have completed PE 11 or Strength and Fitness Conditioning 11. It is designed to facilitate the development of students who will be engaged with and knowledgeable about their health and physical development over the course of their lives. Furthermore, they will know how their bodies move and function to stay safe during exercise. Students will demonstrate the ability to develop, implement, and then re-evaluate/modify a training plan to achieve their own fitness goals. Students will understand how to make healthy choices and how to use proper training guidelines and techniques to reach new health and fitness goals. Students will further understand how this expertise can positively impact their current and future well-being.

Volleyball - YLRA-1H-4L-01 (Linear, Outside the Timetable AM)

Content: This course is primarily designed to develop volleyball skills from an intermediate to expert level. It will review, in depth, all of the fundamentals of play including, passing, setting, serving, spiking, defensive techniques, rules of play, block coverage, rolling/diving, doubles play, and 6-2 or 5-1 offences. In addition, the course shall provide an understanding of the impact physical activity and the lack thereof, has on one's physical and/or mental health. The course will promote physical efficiency, fitness, personal growth and development, sportsmanship, mental training and positive and safe lifestyle choices.

YOGA & WELLNESS 11 – YLRA-1G-4S

Content: This course will introduce students to different styles of yoga including Yin, Ashtanga, Restorative and Power. Learn proper body alignment for yoga postures, develop flexibility and strength, gain understanding of yoga theory, practice self-reflection, and learn relaxation techniques. Energizing and empowering for mind and body!

YOGA & WELLNESS 12 – YLRA-2G-4S

Content: Yoga & Wellness 12 will deepen your yoga practice with a variety of sequences and expand your knowledge of breath techniques, meditation, and mudras. Yogic diet and Ayurvedic principles will also be explored. Develop personal power both physically and mentally through challenging yoga sequences and self-reflection. Energizing and empowering for mind and body!

Students who have completed Yoga & Wellness 11 will gain a deeper understanding and knowledge of yoga asanas and theory in this course.

WELLNESS 10 to 12– YED--0C-4S / YED--1C-4S / YED--2C-4S(Semester, inside the timetable)

Content: This wellness course asks and explores what it means to be well and how to sustain well-being practices. Students taking this course may want to understand how to have more wellness in their own lives, and they may also be curious about how societal wellness increases. Students taking this course want to understand more about happiness, connectedness, land-based relationships, and what it means to flourish. This course balances cross-cultural learning about ideas and practices of wellness and embodies activities that include various movement-based bodywork, ceremony to promote culture and connection, and breathwork to develop mindfulness and to de-stress. Various field trips will be included. There is a small fee to offset off campus travel and facility fees.

ART

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ART STUDIO 10 – MVAST10-2T (10 weeks)

Content: This is an introductory art foundations course which covers the Elements and Principles of Design. This course is for students that are interested in improving drawing skills, as well as exploring painting and printmaking. Special focus is placed on Core Competency extensions, including communication with their artwork, generating and developing ideas, as well as analyzing and critiquing their artwork. A strong emphasis is placed on the First Nations Principles of Learning, especially with regard to storytelling.

ART STUDIO 11 – MVAST11-4S

Content: This is a follow up to Art Studio 10, although Art 10 is not a mandatory prerequisite. Students will build upon their foundational skills in drawing, design, printmaking, painting and sculpture. Special focus is placed on Core Competency extension, including taking creative risks, asking aesthetic questions and communicating through their artwork. A strong emphasis is placed on the First Nations Principles of Learning, especially with regard to storytelling.

ART STUDIO 12 – MVAST12-4S

Content: This is a follow up to Art 11. Students should have an interest in further developing skills and appreciating different art forms. All media will be explored to create a balanced portfolio of works. Special focus is placed on Core Competency extensions, including taking creative risks, asking aesthetic questions and using artwork to communicate to the viewer. A strong emphasis is placed on the First Nations Principles of Learning, especially with regard to storytelling.

ART 12 ADVANCED – MVAST12H4S

Content: This is an advanced art course which will give the student the opportunity to add to their studio art portfolio. This course will address a broad interpretation of drawing issues and different media. This course requires strong drawing skills and students must be motivated and able to work independently. Special focus is placed on Core Competency extensions, including taking creative risks, asking aesthetic questions. Using artwork to communicate and analyzing and critiquing artwork. Some projects may also involve working with groups and individuals outside of our school. A strong emphasis is placed on the First Nations Principles of Learning, especially with regard to storytelling. It is strongly advised that students have previously taken Art Studio 12 or received permission from Mr. Mayer.

BUSINESS EDUCATION

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BUSINESS EDUCATION 10 MADEM10-2T (10 week)

Content: This ten-week course covers the following units: Car, Housing, Investments, and Invention. Curricular competencies include: researching vehicle and insurance costs; comparing buying versus leasing costs based on rates, term, down payments and residual values; determining advantages versus disadvantages of buying versus leasing a home; determining income required to qualify for a mortgage; identifying hidden costs; comparing housing pricing nationwide and internationally; researching stock from the Nasdaq, NYSE and the TSX; creating a realistic portfolio using the Junior Achievement Investment Strategies Program competition; determining when to buy and sell stock; identifying and using sources of inspiration and information to create a prototype; evaluating the prototype in terms of effectiveness, and sustainability. This course provides students with the ability to make informed consumer decisions!

ACCOUNTING 11 – MAC--11-4S

Content: How do businesses keep track of their financial records? Are businesses operating at a loss or profit? How are businesses creating revenue? What are the expenses needed to generate income? Students will generate and maintain accurate financial records using generally acceptable accounting principles. Using the curricular competencies, students will determine the financial position of a business; prove the mathematical accuracy of the accounting equation by creating a balance sheet; analyze transactions to determine which accounts are changed and whether the changes are recorded as debits or credits; prepare a trial balance to determine accuracy; create accurate financial statements using a variety of software applications; prepare adjustments and closing entries. By course end, students will be able to complete the accounting cycle for a service firm. This course is highly useful for students considering creating their own business or working in a business environment.

ACCOUNTING 12 – MACC-12-4S

Prerequisite: Accounting 11

Content: This is a practical hands-on accounting course building on the knowledge students have attained through Accounting 11. Curricular competencies include demonstrating skills necessary to complete the tasks of the accounts payable clerk, the accounts receivable clerk and the accounting supervisor. Students will identify transactions that are recorded in each of the special journals in a five-journal system. They will explain the purpose and importance of the internal control system of a business; prepare a daily cash proof; establish and maintain a petty cash fund; prepare a bank reconciliation and complete and prove the accuracy of a payroll journal. Using Sage, students will set up a brand new business and analyze transactions to generate financial statements. Students completing Accounting 12 with a 76% or higher final grade can earn Okanagan College credit for BUAD 111 (Introductory Accounting).

MARKETING AND PROMOTIONS 11 - MMAP-11-4S

Contents: What is branding? How do marketers convince us to buy what we want, rather than what we need? What makes a great commercial? How do we determine our target market? Using the curricular competencies, students will create a realistic marketing concept; define qualities of product or service being marketed; use effective branding techniques to establish a loyal consumer base; determine specific characteristics of the target market; analyze competition (strengths, weaknesses, opportunities, and threats); establish an effective pricing strategy; determine profit margins; design a web site showcasing product/service; design a sales campaign; promote product/service using different advertising, sales, promotion techniques. Students will showcase their marketing plan via a 20 to 30 minute presentation.

E-COMMERCE 12 - MECOM12-4S

Prerequisite: Marketing and Promotions 11

Contents: So much business activity in the world today is made possible because of technology. Entrepreneurs from all over the world use technology to run or support their businesses. E-Commerce 12 is a fun business course that explores entrepreneurship and marketing from a E-Commerce 12 is a fun business course that explores entrepreneurship and marketing from a technology perspective. Students will learn about and practice using technology to host businesses as well as to market them using tools such as: websites, social media, YouTube, blogs, email, etc. This course would benefit any student interested in business, especially those leaning towards entrepreneurship and/or marketing.

BUSINESS COMPUTER APPLICATIONS 12 – MBCA-12-4S

Content: OK, so you've proven that you are a master of your phone - messaging, photos, social media, games, etc. That's awesome, but how are your computer skills? Can you use all of the most common apps to get stuff done, and get it done professionally? This course will help students to improve their skills using computers to get things done; whether it's for personal use, at college, or in a business environment. This is a fun and practical hands-on computer course that will be one of the most practical courses you'll take in high school.

ECONOMICS 12 – MEC--12-4S

Content: Economics 12 is an interesting course that combines learning about the financial world, with learning about human behavior within the financial world. During this course, we will examine topics as varied as why snowboarding gear is cheapest in the off-season, what money is and how do banks work, and why so much of what we buy in Kelowna is manufactured somewhere else. Students will also learn about money, wealth, and investing. Economics 12 is now recognized by most BC universities as being an 'academic grade 12' class, and its grade can be used in the calculation of student GPA for university application. Economics 12 would be invaluable to any student, especially those interested in a career in business.

ENTREPRENEURSHIP 12 – MENT-12-4S

Content: This course encourages students to gain a practical understanding of what is required in the successful start of a small business. Students will apply skills learned in the creation and operation of several small business initiatives, including the development of a business plan, the design and creation of an invention, and competition in the school district's Young Entrepreneur's Competition. This exciting course would be of benefit to those students considering self-employment as a career option and is highly beneficial to students considering a career in business and/or planning to study business. Grade 11 students are encouraged to register for this course.

TOURISM 11 – MTRM-11-4S

Content: Living in Kelowna, it should be no surprise that tourism is an important industry in this area. Visitors to this area contribute almost $1 billion in direct and indirect economic benefits to the Kelowna region. Not only that, but approximately 10% of local working residents work in a tourism-related job. This course is a fun and interesting course that focuses on the local tourism industry. Not only will students learn about this vital local industry, but will also develop practical tourism employability skills.

TOURISM 12 – MTRM-12-4S

Content: It should be no surprise to you that tourism is an important industry in this area. However, tourism is also an important industry to Canada as a whole, and also to most countries of the world. Canada hosts over 30 million tourists per year. The economic and social impact of these visitors is huge. Tourism 12 is a fun and interesting course that focuses on the global tourism industry. Students will learn about the global tourism industry and how it works, but will also develop practical tourism employability skills.

COMPUTER SCIENCE

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COMPUTER SCIENCE 10 - MCSTU10-2T (10 week, 2 credits)

Content: In this course students will be introduced to the skills necessary to become successful computer programmers. They will work both individually and in teams to critically think through a variety of problems and develop solutions. They will learn effective data management in Google sheets and some basic programming and web design using HTML, CSS, and JavaScript. The experiences in this course are designed to help students build a strong foundation to become well-rounded, collaborative, and capable computer programmers.

COMPUTER SCIENCE 11 – MCMPR11-4S

Content: This is a hands-on course that requires a great deal of individual study and motivation. The major goal of this course is to learn the fundamentals of computer programming using an object oriented programming language (Java). Students will solve problems both individually and collaboratively as they engage in computational thinking exercises and programming assignments. They will use the Java language to develop a variety of projects that will engage their creative and critical thinking skills. This course is recommended if you wish to take the Computer Science Principles AP exam.

COMPUTER SCIENCE 12 – MCMPR12-4S

Prerequisite: Computer Programming 11 / Computer Science 11

Content: This is a hands-on course that requires a great deal of individual study. This course will focus on expanding the skills covered in Computer Science 11 and applying them to another programming language of the student's choosing (Typically C# or Python). Students will be challenged with assignments and problems similar to what one might expect from a modern software developer job interview. They will create applications of their choosing for a final project.

VIDEO GAME DEVELOPMENT 11 –YIA-1C-4S

Content: This course provides a foundation in the tools, techniques and production methods for creating and successfully using the Unity engine to create video games in 2D and 3D. Through developing a selection of games, students will be introduced to the fundamentals of writing computer code using the C# language. Students will have an opportunity to work on their own or in a development team on a final game of their choice. This course stands alone, but pairing it with Computer Science 11 will create the most well-rounded experience for a student interested in pursuing this area further.

VIDEO GAME DEVELOPMENT 12 – YIA-2C-4S

Content: This course is an extension of Video Game Development 11 in which students further develop proficiency in all technical areas. Students will complete significantly more sophisticated self-chosen projects, generally of a higher level of complexity than those in Video Game Development 11. A very high level of self-responsibility is expected from Video Game Development 12 students, they will engage in project management techniques to set their own deliverable goals for deadlines and reflect on the skills that they have learned in the process of creating their games.

DRAMA

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DRAMA 10 - MDRM-10-2T (10 week)

Content: Interested in the dramatic arts? Love the theatre but have no previous experience? The Drama 10 course provides a foundation for theatre study at a Secondary level in the prestigious Night Owl Theatre. The course explores a variety of theatre games, non-verbal and verbal work, stage combat, and improvisation to build communication. We will challenge your creative thinking and personal/social responsibility skills to develop meaningful dramatic works. The course quickly progresses to character building, scene work, and class performances. In addition, we explore elements of theatre production, including backstage and theatre "tech" design. All units use both the First Peoples Principles of Learning and the Core Competencies as a framework as, of and for learning. See you on the stage!

Serious grade 10 students who are interested in getting involved with the KSS Night Owl Theatre Company should strongly consider taking Theatre Production 11 in their Grade 10 year. Contact Ms. Ciccotelli or Mr. Long for further details at tova.ciccotelli@sd23.bc.ca or james.long@sd23.bc.ca

DRAMA TECH 10: Foundations of Theatre Technology - MTEXP10-2T (10 week)

Content: Want to explore the essential elements of theatre production without the pressure of performing on stage? In this course, you will explore all aspects of the technical side of theatre. This will include lighting and sound design, set design, costume and make-up design, marketing for the theatre, and backstage fundamentals. Through hands-on projects and collaborative activities, you will develop foundational skills that bring a production to life behind the scenes.
Whether you're interested in enhancing your creative problem-solving abilities or contributing to the magic of live performance, Drama Tech 10 provides a dynamic and engaging introduction to the world of theatre technology.

ACTING 11 – MDRM-11-4S

Content: All are welcome, and no audition is required, for this in-timetable Acting Course. Actors will continue to advance their training by honing their skills in improvisation, character development, movement, and voice. Through script writing and scene work, students will explore a wide variety of concepts and styles, including Childrens Theatre, Stage Combat, Classical and Contemporary Theatre, Puppetry, Film Acting, and many, many more! In addition, we explore elements of theatre production, including backstage and theatre "tech" design. All units use both the First Peoples Principles of Learning and the Core Competencies as a framework as, of and for learning. Come explore your artistic abilities and take center stage on the legendary Night Owl Theatre!

ACTING 12 – MDRM-12-4S

Content: All are welcome, and no audition is required, for this in-timetable Acting Course. This course focuses on working in various acting styles and theatre genres that differ from the styles/genres introduced in grade 11. Actors will continue to advance their training by honing their skills in improvisation, character development, movement, and voice. Through script writing and scene work, students will explore a wide variety of concepts and styles, including Childrens Theatre, Stage Combat, Classical and Contemporary Theatre, Puppetry, Film Acting, and many, many more! In addition, we explore elements of theatre production, including backstage and theatre "tech" design. All units use both the First Peoples Principles of Learning and the Core Competencies as a framework as, of and for learning. Come explore your artistic abilities and take center stage on the legendary Night Owl Theatre!

DIRECTING AND SCRIPT DEVELOPMENT 11 - MDRDS11-4L (Outside Timetable)

Content: The focus of this course concerns translating ideas into dramatic form to communicate between stage and audience. The work of the course, both practical and theoretical, will cover directing, roles and responsibilities of theatre collaborators, script conventions, elements of a production, stage composition and blocking, auditions and casting. It is expected that students have experience in theatre both on stage and behind the scenes and students are encouraged to take Theatre Company 11 and Theatre Production 11. All units use both the First Peoples Principles of Learning and the Core Competencies as a framework as, of and for learning.

SPECIAL NOTE: This course culminates with students participating in the KSS NEW WORK FESTIVAL (either directing an original short play or creating an original collaborative work). This course is held outside of the timetable, and requires teacher permission. Contact Mr. Long for details.

DIRECTING & SCRIPT DEVELOPMENT 12 - MDRDS12-4L (Outside Timetable)

Content: The grade 12 level of this course builds on the skills begun in grade 11. Emphasis will be placed on research and interpretation, performance considerations, interpersonal skills, leadership of the rehearsal, as well as scriptwriting and directing as art forms. It is expected that students have experience in theatre both on stage and behind-the scenes and students are encouraged to take Theatre Company 12 and Theatre Production 12. All units use both the First Peoples Principles of Learning and the Core Competencies as a framework as, of and for learning.

SPECIAL NOTE: This course culminates with students participating in the KSS NEW WORK FESTIVAL (either directing an original short play or creating an original collaborative work). This course is held outside of the timetable, and requires teacher permission. Contact Mr. Long for details.

THEATRE COMPANY 11 – MDTRC11-4L (Linear, by audition only)

Content: If you are a serious Drama student and would like to join The Night Owl Theatre Ensemble of actors, you are invited to audition for this course. Successful applicants will be part of the Theatre Company. Two major productions will be staged throughout the year, usually one in the fall and the second in the spring. This course runs all year and all rehearsals are held outside of the timetable –some weekends are involved. Students interested in this course should be prepared to audition at the beginning of June. The course work and rehearsal process use both the First Peoples Principles of Learning and the Core Competencies as a framework as, of and for learning. Contact Ms. Elliott for further details.

THEATRE COMPANY 12 - MDTRC12-4L (Linear, by audition only)

Content: If you are a serious Drama student and would like to join The Night Owl Theatre Ensemble of actors, you are invited to audition for this course. Successful applicants will be part of the Theatre Company. Two major productions will be staged throughout the year, usually one in the fall and the second in the spring. This course runs all year and all rehearsals are held outside of the timetable –some weekends are involved. Students interested in this course should be prepared to audition at the beginning of June. The course work and rehearsal process use both the First Peoples Principles of Learning and the Core Competencies as a framework as, of and for learning. Contact Ms. Elliott for further details.

THEATRE PRODUCTION 11 – MDRTP11-4L

Content: Theatre Production 11 is for any student who has an interest in hands-on work backstage in theatre production. There is no audition for this after-school class, but students must make a commitment to being involved in the Night Owl Theatre Company –as such, teacher permission is required. Through participation in theatre productions in a variety of settings and with a variety of responsibilities, students increase their knowledge and develop skills in all phases of theatre. The work of the course provides a foundation in design, technical theatre and theatre management. The course work and rehearsal process use both the First Peoples Principles of Learning and the Core Competencies as a framework as, of and for learning. This course is held outside of the timetable.

THEATRE PRODUCTION 12 – MDRTP12-4L (Linear)

Content: This course is for any student who has an interest in hands-on work backstage in theatre production. There is no audition for this after-school class, but students must make a commitment to being involved in the Night Owl Theatre Company –as such, teacher permission is required. Students may specialize in either technical theatre or in theatre management at the grade 12 level of Theatre Production. Technical theatre will focus on the techniques and skills needed for design, lighting, sound, costumes and props. Theatre management will focus on the leadership roles in such areas as stage management, house management, technical direction and production management. The course work and rehearsal process use both the First Peoples Principles of Learning and the Core Competencies as a framework as, of and for learning. This course is held outside of the timetable.

COSTUME DESIGN 10-12 – MTXT-10-4SCD, MTXT-11-4SCD, MTXT-12-4SCD

Content : This course provides students the opportunity to be creative, problem solve, and have fun, while learning design elements and construction techniques for a number of different costume styles and prop projects. There will be an emphasis on both costume design and construction. Genre, practicality and construction will be considered on both costumes and prop projects. Students will use the skill of design and construction to create a number of different projects including: puppets, Halloween costumes, specific era costume, personal designer inspiration, masks, props as well as originally created designs. Students can expect to add their own creative inspiration to each project.

HOME ECONOMICS

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FOODS STUDIES 10 – MFOOD10-2T (10 week)

Content: In this course, students will learn the skills necessary to become competent in the kitchen. Students will work with a partner to prepare delicious main courses, desserts and snacks. The curricular competencies covered during the 10 week course include meal design opportunities, elements of meal preparation, causes and consequences of food contamination outbreaks, First Peoples food protocols, and food trends, including nutrition, marketing, and food systems. Learning to cook is a life skill that helps teenagers grow into healthier adults.

TEXTILE ARTS & CRAFTS 10 - YCPM-0A-2T (10 week)

Content: In this course you will be given the opportunity to express your skill and creativity to become a competent crafter. Students will participate in activities including designing, planning, and ultimately executing the steps necessary to create various textile arts and crafts. Student will also use recycled goods in various projects and learn the basic principles and elements of design. You will be introduced to a number of different types of equipment and supplies necessary for project completion. The role of historical and economic factors in the production of textile arts and crafts will also be discussed. Students will learn a life skill that will result in a well-rounded individual.

FASHION & SEWING 10 - MTXT-10-2T (10 week)

Content: In this course you will learn to become a competent sewer. Students will learn the skills needed to complete a number of projects (time allowing) such as a sweatshirt and pajama pants. They will also be introduced into using their creative side in the designing of fashion. Students will be given the tools to learn to organize and manage their time effectively and the role of historical and economic factors in the production of textiles and fashion will also be discussed. Learning the basics of clothing construction is a life skill that would benefit individuals in their daily lives and also if pursuing a career in the clothing industry.

CULINARY ARTS 11 – MCUL-11-4S

Prerequisite: Foods 10

Content: Culinary Arts begins with the fundamentals and principles of the art of cooking and the science of baking. We will be discussing and learning about management, production skills and techniques. In this course, you will start to learn the skills necessary to work in an operating foodservice venue. You will work with a team of students to market and produce food for yourselves and others and engage in activities that allow for exploring the skills offered in food service. You will learn culinary best practices, including safe food handling, cooking methodology, and professionalism in the food industry. Due to the nature of the course, there may be requirements for students to attend outside of regularly scheduled class time. Students who continue with the Culinary Arts track will receive their Foodsafe Level One course, as well as be provided with opportunities to fast track into Culinary Arts programs at the post-secondary level.

FOOD STUDIES 11 – MFOOD11-4S

Content: In Foods 11, students will work with a partner to prepare main course dishes, international foods, and bake breads and desserts. The curricular competencies covered during the semester include the components of recipe development and modification, First Peoples food guides, food labelling, food promotion, and food marketing strategies. Students also complete the Food Safe Level One course and for a nominal fee can receive their government certification.

FOOD STUDIES 12 – MFOOD12-4S

Prerequisite: Food Studies 11 or Culinary Arts 11 recommended.

Content:: In Foods 12, students will experiment with food garnishing, spices, pastries, and international foods. This course offers a challenge for food enthusiasts who are eager to improve their food preparation skills. The curricular competencies covered during the semester include complex meal and recipe design, the components of multi-course meal development and preparation, perspectives in indigenous food sovereignty, nutrition and health claims and how they change over time, and career options in food service.

CHILD DEVELOPMENT & CARE GIVING 11 – MHS--1A-4S

Content: In this course you will learn about the physical, emotional and social development of children from conception to age four. Anyone interested in a career in early child care or primary/elementary education would benefit from taking this course. Students will learn about the rewards and challenges of welcoming a new addition to a family. They will also receive practical experience through the "Baby Think It Over" program which utilizes infant and pregnancy simulators for a real-life parenting experience. The main goal of this course is not only to learn how a child develops but to learn strategies that facilitate child development and joyful engagement and support family connection and involvement.

CHILD DEVELOPMENT & CARE GIVING 12 – MCDAC12-4S

Content: In this course you will learn about the physical, emotional and social development of children from four to twelve years of age. Anyone interested in a career in early childhood care or primary/elementary education would benefit from taking this course. Students will also learn about the theories of child development, including cultural influences, and how and why theories can change over time. They will also receive practical experience with preschool children and possibly primary children on a regular basis throughout the semester. The main goal of this course is not only to learn how a child develops but to learn strategies that facilitate child development and joyful engagement, and support family connection and involvement.

TEXTILE ARTS & CRAFTS 11 - YCPM-0A-4S

Content: In this course you will be given the opportunity to express your skill and creativity to become a competent crafter. Students will participate in activities including designing, planning, and ultimately executing the steps necessary to create various textile arts and crafts. Student will also use recycled goods in various projects and learn the basic principles and elements of design. You will be introduced to a number of different types of equipment and supplies necessary for project completion. The role of historical and economic factors in the production of textile arts and crafts will also be discussed. Students will learn a life skill that will result in a well-rounded individual.

FASHION & SEWING 11 - MTXT-11-4S

Content: In this course students continue to develop sewing skills and learn new techniques. You will learn strategies for modifying patterns and techniques for repurposing textile items using recycled garments to create new designs. They will learn to fit clothes to their specific figure type and choose their own patterns to complement their present wardrobe. The history of costume and the fashion industry will also be studied. Projects will be the individual's choice depending on their sewing experience. Students also have the opportunity to compete in the Skills Canada Competition. Learning the basics of clothing construction is a life skill that would benefit individuals in their daily lives and also of pursuing a career in the clothing industry.

FASHION & SEWING 12 - MTXT-12-4S

Content: In this course advanced sewing techniques will be used to create more fitted garments including a jacket or coat. Additional projects will be the student's choice. Fashion designing using flat pattern and draping techniques will be touched on along with studying garment types and styles. Ethical and environmental issues in the production and marketing of textile design, production and distribution. Students also have the opportunity to compete in the Skills Canada Competition. Learning the basics of clothing construction is a life skill that would benefit individuals in their daily lives and also pursuing a career in the clothing industry.

FASHION DESIGN 12 – YVPA-2F-4S

Prerequisite: Fashion & Sewing 11/12

Content: In this course students will redesign commercial patters to create their own designs, learn the technique of flat pattern design, and the basics of draping on a dress form. Additional projects will be the student's choice. Elements and principles of design will be studied along with the history of fashion and the historical influences on current style. Marketing and merchandising strategies and processes for clothing and accessories will be touched on. Students also have the opportunity to compete in the Skills Canada Competition. Learning the basics of clothing construction is a life skill that would benefit individuals in their daily lives and also pursuing a career in the clothing industry.

COSTUME DESIGN 10-12 – MTXT-10-4SCD, MTXT-11-4SCD, MTXT-12-4SCD

Content : This course provides students the opportunity to be creative, problem solve, and have fun, while learning design elements and construction techniques for a number of different costume styles and prop projects. There will be an emphasis on both costume design and construction. Genre, practicality and construction will be considered on both costumes and prop projects. Students will use the skill of design and construction to create a number of different projects including: puppets, Halloween costumes, specific era costume, personal designer inspiration, masks, props as well as originally created designs. Students can expect to add their own creative inspiration to each project.

MEDIA PRODUCTION

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COMPUTER ANIMATION 10 – YCCT-0B-2T (10 week)

Content: In this course students will be introduced to the skills necessary to become successful animators. They will work independently and in groups to design and create numerous brief animations. Students will learn to utilize the tools available in Adobe Animate to animate characters as well as develop their drawing skills to improve the quality and variety of their work. They will also learn how to use animations as a platform for communicating stories and emotions to an audience and examine how animation has changed throughout its history.

INTRO LAYOUT AND DESIGN 10 – MMEDD10-2T (10 week)

Content: This class is designed to give grade 10's an introduction to the tools and terminology involved in layout and design. This includes project work and skills using Adobe Indesign as well as various techniques using Adobe Photoshop. You will develop the knowledge to create and critique various layouts, and the understanding how an audience will interpret them. You will also begin to connect typology to graphic expression. This is a course that will give you a sample of the work done in Graphic Design 11/12, Yearbook, and Photography and careers associated with those classes. No previous experience is necessary to take this class.

DIGITAL MEDIA ARTS 10 – MVAM-10-2T (10 week)

This course focuses on the introduction to media technologies. Students will explore activities that include digital media, video production, and journalism. Create a production company and learn the elements of building a brand. Learn the skills in photography, cinematography, editing software, and audio/music/sound effects. Provide the opportunity to publish stories through digital technology and equipment that has an emphasis on print, audio, and video.

YEARBOOK 10 – MEDIA DESIGN: YEARBOOK 11 & 12 - YCCT-0A-4L – MMEDD11-4L – MMEDD12-4L (Linear)

Content: This class designs and produces the school yearbook. In this course, students will learn how a book is published, and will be responsible for all writing, design and photography that will appear in the book. In order to do this, students will learn in-depth skills in InDesign (page layout software) and Photoshop (photo manipulation software). Skills learned in this course are transferable into real life careers such as Photojournalism and Graphic Design. As well, students will learn the business skills required to fund a book through sales to students. Students will be required to work outside of class time (approx.3 hours per month at noon or after school) to photograph events and sell and distribute books. It is not a requirement to take the course each year to join in the next year. Students must be reliable with a strong work ethic, and be able to work with a team. There is great reward in creating a published book that tells the story of your school's year.

JOURNALISM & GLOBAL EDUCATION 11/12 YCCT-1C-4S – YCCT-2C-4S

Content: This course focuses on various forms of journalism that include print, audio, and video. Students use ethics, fact-checking, and evidence skills to research topics of interest and develop information to create original stories. The course provides the opportunity to publish stories through digital print media, audio formatting, and video footage. This includes using digital technology and equipment that has an emphasis on scriptwriting, reporting, interviews, broadcast news, social media, podcasts, and video production.

COMPUTER ANIMATION 11 – YCCT-1B-4S

Content: In Animation 11, students will develop their manual and technological drawing skills to create characters and scenes for both short and long form animations. Students will gain experience with digital drawing tablets and the Adobe Animate software as they explore digital animation as a storytelling medium. There is also the potential for students to explore stop motion animation and sound design/voice acting. The course will focus on helping students develop a portfolio of work that demonstrates their skills and creativity.

COMPUTER ANIMATION 12 – YCCT-2B-4S

Content: This course is for students who have already taken Animation 11. In Animation 12 students will further develop their manual drawing skills to develop longer and more complex animations for their portfolio. Students will work on collaborative and individual works throughout the course utilizing the Adobe Animate program. The goal of this course is to enable students to develop the skills to become a capable, innovative and creative animator and leave with a presentable body of work that represents their style and techniques.

GRAPHIC DESIGN 11 - MVAGA11-4S

Content: You will begin this course with a study of the basics of design, computer typesetting, and image generation. You will study logo design, generate business cards and letterheads, posters and package design. You will learn to use Photoshop and InDesign. You will be introduced to screen printing. (Students will be required to pay for materials for projects they opt to do beyond the basic course requirements.)

GRAPHIC DESIGN 12 – MVAGA12-4S

Content: This is an advanced course in design, screen-printing and computer drawing skills, along with commercial art skills. Students will cut eps designs on the sign cutter. Students will also be introduced to beginning Interior Design concepts.

During the final quarter, students will work on a major project of their choosing that will further their skills in a chosen area. (Students will be required to pay for materials for projects they opt to do beyond the basic course requirements.)

Digital Graphic Arts 11/12 - MGRPR11-4S / MGRPR12-4S

Content: This course is designed to give you hands on experience with a variety of art-based software programs. You will become familiar with the Adobe Creative Suite including Photoshop and Illustrator. You will learn the basics in 2-D animation using Adobe Animate and be introduced to 3D modelling using Autodesk Maya. You will complete the year using Premiere Pro video editing to do basic slideshows and video shorts. Recommended course for Art students who would like to expand the art mediums they are proficient in.

COMPUTER GRAPHICS ADVANCED - MICTM12-4S (Please see Ms. Nicol)

Content: This course is for students who have already taken Computer Graphics 11/12. You will be able to demonstrate advanced computer skills by working with sophisticated software products. This is a "hands-on" course using current programs like Animate, Illustrator, Photoshop and other Adobe Programs. You will work on a variety of publications, will do two-dimensional animation, photo alteration, and continue exploring 3D modelling using Autodesk Maya. You will have the option of choosing an area of specialization for the final quarter.

PHOTOGRAPHY 12 – MVAPH12-4S

Content: This course is for those who want an in-depth class in photography. Students will do work in photocomposition; will study light, including natural light, flash, and studio lighting; and will work with various lenses and filters. Time will be devoted to photographing scenery, working in portraiture, and photographing still life. Students will work with B&W film and advanced darkroom techniques, then progress to work with digital images from digital cameras, or by scanning of negs and prints, and then manipulating these images in Photoshop. Time will be devoted to building a portfolio, and presenting images for display. This course is recommended for students enrolled in Art AP. Students must have their own 35 mm reflex camera with an ability to adjust shutter speeds and lens openings. All photo supplies required to complete the course are supplied, but students who want to access enrichment projects beyond the basic course requirements may purchase additional materials from the instructor. NOTE: Students wishing to take this course are asked to meet with Ms. Nicol prior to the beginning of the course to discuss equipment requirements.

VIDEO PRODUCTION 11/12 – MVAMT11-4S MVAMT12-4S

Content: This course focuses on the film industry and the skills required to produce movies from beginning to end. This includes pre-production, production, and post-production. During pre-production, students create a production company and learn the elements of building a brand and creating a screenplay. In production, students use equipment to learn the skills in photography, cinematography, audio, and lighting. During post-production, students focus on editing software, audio/music/sound effects, and special effects to enhance their work and complete their films.

MUSIC

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CONCERT BAND 10/11/12 – MMUCB10-4L – MIMCB11-4L – MIMCB12-4L (Linear)

Content: This course aims for a high level of musical performance. Students taking this course should expect to be involved in multiple performances, concerts and possible travel tours. Repertoire includes a diverse range of eras and styles, including selections from musicals, movie soundtracks, TV themes, pop music, festival music and more. No audition required.

CHAMBER CHOIR 10/11/12 - MMUCH10-4L/MMUCH11-4L/MMUCH12-4L (Linear, by audition only) (Outside the timetable)

Content: Participants in this course are taught the fundamentals of choral singing and emphasis is placed upon performance in a classical style. This group performs at least six times during the school year. Although the ability to sight-read music is a substantial benefit, it is not a necessity.

CHORAL MUSIC 10/11/12 - MMUCC10-4S – MCMCC11-4S – MCMCC12-4S (Semester, non-auditioned)

Content: As opposed to the “Vocal Jazz” and “Chamber Choir” courses which take place “outside” of the regular timetable and requires an audition, this course requires no audition and occurs within the regular daily timetable. Emphasis is placed upon the development of good vocal technique which includes appropriate approaches to vocal warm-up, stance, breath support, development of tonal quality, enunciation, etc. This group performs approximately four times during the school year with the first performance being Remembrance Day.

JAZZ BAND 10 – MMUJB10-4L (Linear)

Content: This music performance course explores a wide variety of jazz repertoire including swing, shuffle, the ballad, and various forms of Latin jazz. All students are provided with jazz listening, analysis, rehearsal/performance and improvisational experiences. Students may be required to audition in order to gain entry to this performance oriented course.

JAZZ BAND 11 – MIMJB11-4L (Linear)

Content: This music performance course explores a wide variety of jazz repertoire including swing, shuffle, the ballad, and various forms of Latin jazz. All students are provided with jazz listening, analysis, rehearsal/performance and improvisational experiences. Students are required to audition in order to gain entry to this performance oriented course.

JAZZ BAND 12 – MIMJB12-4L (Linear)

Content: This music performance course explores a wide variety of jazz repertoire including swing, shuffle, the ballad, and various forms of Latin jazz. All students are provided with jazz listening, analysis, rehearsal/performance and improvisational experiences. Students are required to audition in order to gain entry to this performance oriented course.

ORCHESTRA 10/11/12 - MMUOR10-4L – MMUOR11-4L – MMUOR12-4L (Linear) (Outside the timetable)

Content: This course is open to all wind players, percussionists, and all string players. It will explore diverse areas of traditional classical repertoire and orchestral techniques. This course requires intensive musical involvement and extra rehearsals, concerts and tours. The orchestra rehearses on Monday evenings and also requires attendance at regularly scheduled sectionals. It includes members of the community. See Mrs. Dubois for details.

RHYTHM & BLUES BAND 10/11/12 MMUCM10-4L – MMUCM11-4L – MMUCM12-4L (Linear, Outside the timetable)

Content: This high energy, performance oriented course is available to singers, rhythm players and instrumentalists who desire a more extensive musical experience which will prepare them for a career in the area of music performance. Extra-curricular performances will be emphasized and potential students must also be registered in a large music performance class (jazz band, concert band, etc.). Repertoire explored will range from early Motown of the '60's to the latest Top 40 hits. Membership is by audition only. See Mrs. Dubois for further details.

SOUND ENGINEERING 11/12 - MMUCP11-4S – MMUCP12-4S (Semester)

Requirement: Quality head phones.

Content: This course is designed for students interested in setting up and running a Professional Sound System. Students will also learn different microphone techniques for live sound production and the use of a professional 32-track soundboard. Students are expected to operate sound systems at various live events at the school and throughout the community, including the possibility of working in a professional theatre. As time allows, students will also learn the basics of Digital Audio Recording and have the opportunity to record and edit their own music. Students are required to provide their own quality headphones. A personal audio interface is also encouraged. See Mrs. Dubois for more information.

VOCAL JAZZ 10/11/12 - MMUVJ10-4L – MCMJV11-4L – MCMJV12-4L (Linear, by audition only) (Outside the timetable)

Content: Participants in this course are taught the fundamentals of choral singing and emphasis is placed upon performance in a jazz style. This group performs at least six times during the school year. Students are required to sing in a 4 credit Chamber Choir, Monday & Tuesday or Wednesday mornings at 7:30 am. Although the ability to sight-read music is a substantial benefit, it is not a necessity.

JAZZ STUDIES 10 – YVPA-0A-4L (Linear) (Outside the timetable)

Content: This course will give students an opportunity to work in small performance groups, and to study improvisation techniques. It offers soloists and rhythm section players an opportunity to develop skills as they are exposed to an extensive repertoire. Students should expect to be involved in extensive public performances and involvement with other professional musicians. Students must audition or receive permission from the instructor.

JAZZ STUDIES 11 – YVPA-1A-4L (Linear) (Outside the timetable)

Content: This course will give students an opportunity to work in small performance groups, and to study improvisation techniques. It offers soloists and rhythm section players an opportunity to develop skills as they are exposed to an extensive repertoire. Students should expect to be involved in extensive public performances and involvement with other professional musicians. Students must audition or receive permission from the instructor.

JAZZ STUDIES 12 – YVPA-2A-4L (Linear) (Outside the timetable)

Content: This course will be a continuation of techniques learned from Jazz Studies 11. It will continue to focus students into small performance groups, and to further pursue improvisation techniques. The course will offer soloists and rhythm section players an opportunity to develop music literature. Students should expect to be involved in extensive public performances. Students must audition or receive permission from the instructor.

AP MUSIC COMPOSITION & THEORY 12 - AMU—12-4L (Linear – Outside of Timetable)

Content: Learn to recognize, understand, and describe the basic materials and processes of music. You'll develop skills by listening to, reading, writing, and performing a wide variety of music. Pitch, Major Scales and Key Signatures, Rhythm, Meter, and Expressive Elements, Minor Scales and Key Signatures, Melody, Timbre, and Texture, Triads and Seventh Chords, Harmony and Voice Leading, Modes and Form, as well as Composition!!

See Mrs. French, Room 128 if you have any questions.

TECHNOLOGY EDUCATION

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DRAFTING 10 – MTDRF10-2T (10 week)

Content: In this course you will learn the skills necessary to become a successful introductory draftsperson. As a team, we will explore the design process, how design has influenced our past and how it shapes our future. In order to develop our basic skills, knowledge, a strong appreciation and connection to drafting and design, we will first practice hand drafting. We will then further our skills by learning advanced CAD software's which have been an integral component of shaping design, manufacturing and engineering to today's current standards. We will focus on three main fields of drafting: Mechanical, Architectural and Computer Machining. The main goal of this course is to not only build strong drafting, interpersonal and life skills, but to foster a deep understanding and respect towards how design, drafting and manufacturing influences our lives on a daily basis.

APPLIED DESIGN AND ELECTRONICS 10 – MTEAR10-2T (10 week)

Content: In this course, you will have the opportunity to create your own basic arcade video game, a code-protected safe box, or other simple electronic devices while unleashing your creativity. The course is divided into three parts:
1. Introduction to Electronics: Learn the fundamentals of electronics, including components, electrical principles, how to read circuit diagrams, and how to use a breadboard through hands-on experimentation and group work.
2. Arduino: Learn how to connect and program it to bring your ideas to life.
3. Applied Design Project: In the final phase, you will define and develop your own project, utilizing 3D printing, programming, and electronics to create a functional prototype.
This course emphasizes problem-based and project-based learning, where students collaborate in a hands-on environment to solve real-world problems. By engaging in creative and technical processes, you'll deepen your understanding of design and innovation while working in a collaborative maker space.

JEWELRY/ART METAL 10 – YIA-0B-2T (10 week)

Content: In this course students will become competent in the shop environment. We will introduce basic jewelry making techniques. Students engage in a series of projects that carry them through the safe operation of commonly used hand tools and power tools (ie. drill press, oxy-acetylene torch). Students will enjoy a positive and inclusive atmosphere while using new skills to create artistic artifacts out of metal. Projects include a pair of earrings and a sterling silver ring. The shop environment can be busy so students will exercise their social awareness and responsibility. Skills learned transfer directly to projects in the home and workplace.

METAL 10 – MTMET10-2T (10 week)

Content: This course introduces basic metalworking processes which allow students to become competent in the shop environment. We will start with hand tools and gradually move students onto machinery. Skills include Lathe work, Oxy-Acetylene welding, Stick welding and band saw cutting. Students will foster skill development by modifying and customizing a set of prescribed projects. Projects include: balancing man, decorative log, scriber and a die. Students will communicate ideas through drawings and sketches followed by careful analysis prior to manufacture. We provide a positive and supportive environment for entry level learners. Metal 10 provides a solid foundation of experiences that helps prepare students to make an informed career choice.

POWER TECHNOLOGY 10 - MTPOW10-2T (10 week)

Content: In this course you will learn the skills necessary to become competent at engine repair. You will study in depth the construction and theory of both two and four stroke internal combustion engines. You will further understand how they work by rebuilding a four-stroke overhead valve engine. You will learn the safe and proper use of various specialty tools used during maintenance and rebuild which will provide you with the skills to become a capable small engine service technician.

ROBOTICS 10 – YIA—0D-2T (10 week)

Content: This course focuses on robotic designs using Lego Mindstorms robots which utilize sensors, motors and block-based code robots to solve a variety of challenges and tasks. Students will use the scientific method and flow charts to problem solve and innovate in group-based projects and challenges like Drag racers, sumo bots, shooters, bots and cranes.

WOODWORK 10 – MWWK-10-2T (10 week)

Content: In this course you will learn the skills necessary to become a successful woodworker with a focus on furniture joinery. Though you will be making your own project, you will work alongside your peers learning the importance of shop safety, proper tool/machine use and joinery. We will explore the importance of careful measurement, project planning and design with reference to the ethical use of wood species, finishing materials and material recycling. The main goal of this course is to not only build strong woodworking, interpersonal and life skills, but to foster a deep understanding and respect towards how design and manufacturing influences our lives on a daily basis.

JEWELRY ART/METAL 12 – MTAMJ12-4S

Content: Jewelry Art Metal 12 is an extension of Jewelry Art Metal 10, however it is not a prerequisite. Students will first complete a unit on the CNC (Computerized) mill to machine a project of their design choice, whether it be earrings, pendants or brooches. Students will then explore several specialized welding techniques to join decorative metals in order to create jewelry stands, candle scones, sculptures an wall art. Students will continue with a glass unit which includes stained glass, glass fusing and wire wrapped jewelry. The last quarter of the course allows students to explore a metal art specialty of their choice to create a self-designed project. Also, students will be given the opportunity to create projects that were not completed in Jewelry Art Metal 10.

METAL 11 – MTMET11-4S

Content: This course further introduces students to basic hand tools and power equipment. Students then learn a variety of welding skills including gas, wire feed, and stick welding applications. Students will also explore various types of sheet metal and machining practices to make several creative projects. After the completion of assigned projects that build up student skill and shop awareness, students are able to design and construct a personal project to complete as a final assignment.

METAL 12 – MTMET12-4S

Content: Metal 12 is an extension of Metal 11 however, it is not a prerequisite. Students will review welding and cutting such as gas, wire feed, and stick welding applications with the addition of TIG welding. Students will then complete a unit to build their machining and precision measurement skills using the lathe and the CNC Milling machine. After an assigned project, students will design, orthographically draw, plan, and budget to construct a project of their own choice. A unit on exploring trade careers, specifically in the metal fabrication industry, will be introduced with the incorporation of field trips, guest speakers, and a research project.

AUTOMOTIVE TECHNOLOGY 11 – MTAUT11-4S

Content: This course begins with the focus on shop safety, shop tool use, basic hand tools and basic automotive systems. We focus on automotive structures, suspension, brake systems, cooling systems and engine support systems. The course transitions into automotive engine types with focus on the piston engine. Students will learn about engine parts, four stroke cycle theory, engine disassembly, assessment, measurement and reassembly. Both theoretical learning and hands on learning components are included. This course is designed for the beginning automotive enthusiast and provides an excellent transition to Automotive 12 and the Dual Credit Auto Service Tech Level One Training program. First Peoples' Principles of Learning are integrated throughout the course. Core competencies include critical thinking skills, communication, and personal and social aspects of the automotive culture and trade.

AUTOMOTIVE TECHNOLOGY 12 – MTAUT12-4S

Content: This course begins with the focus on shop safety, shop tool use, and advanced automotive structures. The course focus is on the application of hands on skills and knowledge to various basic automotive repairs including suspension diagnosis, repair, wheel alignment, and electrical components. Students are encouraged to take on a variety of automotive repairs on their own vehicles as aligned with their skill level. The course transitions into fuel injection theory, the practical use of an automotive scan tool, and basic fuel injection diagnosis. A foundational electronics component is included with the focus on a mix of hands on learning and basic electronics theory. This course is designed for the automotive enthusiast or students continuing onto mechanical trades or the Auto Service technician Level One Dual Credit Course. Automotive 11, or a high level of previous experience is highly recommended as a prerequisite to ensure success in the course. First Peoples' Principles of Learning are integrated throughout the course. Core competencies include critical thinking skills, communication, and personal and social aspects of the automotive culture and trade.

DRAFTING & DESIGN 11 – MTDRF11-4S

Includes CNC module.

Content: In this course you will learn the skills necessary to become a successful intermediate draftsperson. This course is a project based course using three of the latest industry CAD software: AutoCAD, Inventor and Revit. Before and after each unit, a skill inventory, a self-assessment and a reflection is completed to ensure curricular and core competencies are being met. First, 2D isometric and orthographic Mechanical drafting is covered using AutoCAD. Students then use Autodesk Inventor to create several three-dimensional drawings and assembly models. Use of the 3D printer will be included for mechanical drafting prototyping. The second section of the course is divided into Architectural drafting where students will use a 3D architectural modeling software, REVIT, to design and draw a set of house plans. The final section of this course is related to CNC (Computerized) machining where students use tool-pathing software along with the CNC router, to draw, create a tool path and machine a project of their design.

DRAFTING & DESIGN 12 – MTDRF12-4S

Includes new CNC module.

Prerequisites: Drafting & Design 11

Content: In this course you will learn the skills necessary to become a successful advanced draftsperson. This is a more in-depth drafting course designed to build and expand on Drafting & Design 11. All aspects of Drafting and Design 11 will be considered foundational, and students will now specialize in either engineering/mechanical drafting, or go the Architectural route. Before and after each unit, a skill inventory, a self-assessment and a reflection is completed to ensure curricular and core competencies are being met. As a team, students will use AutoCAD and Inventor software to design and develop more complex projects. Additionally, students will not only create home blue prints using AutoCAD, but they will create a 3D model of their design using REVIT software. The final section of this course is related to CNC (Computerized) machining where students use tool-pathing software along with the CNC router, to draw, create a tool path and machine a project of their design. If students created a CNC project in their previous year of drafting, students will be encouraged to create a project using 3D modelling or laser engraving. In senior drafting, there is a large focus on continuing education and careers that incorporate drafting and design.

SUSTAINABLE ENGINEERING SOLUTIONS 11 – MENR-11-4S

Recommended to Have Completed: Drafting & Design 11

Content: In this course you will learn the skills necessary to become a successful advanced draftsperson. This is a more in-depth drafting course designed to build and expand on Drafting & Design 11. All aspects of Drafting and Design 11 will be considered foundational, and students will now specialize in either engineering/mechanical drafting or go the Architectural route. Before and after each unit, a skill inventory, a self-assessment and a reflection is completed to ensure curricular and core competencies are being met. Individually and as a team, students will use AutoCAD, Inventor and SOLIDWORKS software to design and develop more complex projects. Additionally, students will create a 3D model of their 2-storey house design using REVIT software. The final section of this course is related to CNC (Computerized) machining where students use tool-pathing software along with the CNC router, to draw, create a tool path and machine a project of their design. If students created a CNC project in their previous year of drafting, students will be encouraged to create a project using 3D modelling or laser engraving. In senior drafting, there is a large focus on continuing education and careers that incorporate drafting and design.

This class does not satisfy grad requirements for a grade 11 science. It does count as an Applied Skill Credit.

ELECTRONICS 11 – MTELE11-4S

Content: In this course you will learn the skills necessary to become competent in electrical and mechanical engineering. You will be generating ideas and design possibilities for a variety of projects that are chosen according to your interest or ability. Computer software will be used to develop both the printed circuit boards and case enclosures. Schematics, breadboarding, soldering, digital circuits, semiconductors, robot minicontrollers, sensory systems and proper use of testing equipment will be explored. You will also learn the strategies for isolating problems and how to implement solutions during circuit construction or robot design challenges. These skills will help you manufacture creative and innovative projects and become a capable engineer or programmer.

ELECTRONICS 12 – MTELE12-4S

Prerequisite: Physics 11 or Electronics/Robotics 10/11

Content: In this course you will learn the skills necessary to become a successful electrical or mechanical engineer. You will analyze AC and DC circuits, electromagnetic induction, analog systems, advanced digital logic gates, microcontrollers and sensory systems. You will learn how electricians read residential wiring diagrams and electronic schematic diagrams so that you can build a variety of projects that are chosen according to your interest or ability. You will build both autonomous and user-controlled robots using multiple sensors and wireless communication to provide input and control to the robot. The robots you design, construct and program are often tested at a regional or provincial level such as the FIRST Robotoics League. Combining the excitement of sport with the rigors of science and technology, you learn about robot designs, construction, programming, and troubleshooting using logic-based programming. Using these skills will help you become a well-rounded, innovative and creative electrical or mechanical engineer.

ROBOTICS 11 – MTROB11-4S

Prerequisite: Physics 11 or Electronics/Robotics 10/11

Content: This course introduces simple robotics design and production, and related technical and programming elements. Learning includes interactions of subsystems, logic, mechanics, and components.

ROBOTICS 12 – MTROB12-4S

Prerequisite: Robotics 11

Content: This course focuses on advanced design, documentation, power and electronics, and applications of robotics technologies. Learning includes wiring, sensors, power management, and programming language. Students also explore emerging career opportunities in this field and interpersonal and consultation skills related to client interactions.

WOODWORK 11 – MWWK-11-4S

Prerequisite: Gr. 10 Woodwork

Content: The primary focus of Wood 11 is comprehensive coverage of sound, fundamental woodworking practices, with an emphasis on safety throughout. This should be considered an intermediate level course, laying a solid foundation for the grade 12 year. Before and after each unit, a skill inventory, a self-assessment and a reflection is completed to ensure curricular and core competencies are being met. Students learn how to draw, read and interpret drawings of their selected project. Students will consider and choose appropriate wood and materials, calculate a bill of materials and create a procedural cut list. Furniture, cabinet design and construction form the core of this course. A wide variety of tools and machinery are used in the design and completion of student projects. An introduction to CNC machining and Laser Engraving form part of this course.

WOODWORK 12 – MWWK-12-4S

Prerequisite: Gr.10 Woodwork or Gr.11 Woodwork

Content: This course is a continuation of Woodwork 11, but with some advanced millwork, joinery, laminating and mass production components added. Before and after each unit, a skill inventory, a self-assessment and a reflection is completed to ensure curricular and core competencies are being met. Furniture, cabinet design and construction forms the major parts of this course. The same power and hand tools are used, but in more complex applications. A small introductory project introducing students to basic carpentry is also covered. Exposure to and research of several woodwork related career opportunities and post-secondary trades schools will be investigated. An intermediate CNC routing and laser engraving module forms part of this course.

AP Courses

ENGLISH STUDIES 12 AP - MENST12H4L (Linear)

Content: The objectives of this course are to complete the requirements of the provincial English 12 curriculum and to prepare students to write an Advanced Placement English exam. The course will focus on engaging students in the careful reading and critical analysis of both fiction and nonfiction, and will provide a strong foundation for students pursuing academic post-secondary education. Successful completion of the program, both required and enrichment material, may lead students to write the AP Language and Composition or Literature and Composition exam which may grant them advanced placement at various universities and colleges in North America. A fee is set for the writing of this exam.

AP HUMAN GEOGRAPHY 12 (Linear) AHG--12-4L (8 credits: 4 credits AP Human Geography and 4 credits Contemporary Indigenous Studies 12)

Content: This course is an introduction/survey to the “human” aspect of geography. The purpose of this course is to study contemporary world issues. It is designed to challenge students to become better writers, critical thinkers, test takers and collaborative learners. Topics of study include: world population growth, cultural trends, city development, politics, agriculture and environmental consequences of human actions. This course is a university accredited course given to students who successfully complete the AP Human Geography test administered by the College Board. Also, all students who successfully complete the linear course will receive a grade 12 AP Human Geography credit (4 credits) and grade 12 Contemporary Indigenous Studies 12 (4 credits). Students taking this course should have a strong work ethic. Although emphasis will be placed on preparing for the Advanced Placement Exam, the course will include case studies, class discussions and general preparation for post-secondary. There is no pre-requisite to take this course. Please contact tina.clarke@sd23.bc.ca for more information.

AP American History 12 (Linear) AWH--12-4L (4 credits AP American History

Course Description: Welcome to Advanced Placement American History, a rigorous and intellectually stimulating course designed for high school students seeking a deep understanding of the United States. This AP-level course explores the multifaceted tapestry of American history, examining key events, figures, and themes that have shaped the nation from colonial roots of 1492 to the present day. Throughout the academic year, students will engage in a comprehensive examination of political, social, economic, and cultural developments that have defined the United States. The course will emphasize critical thinking, analytical skills, and historical interpretation, fostering an understanding of historical events and their enduring impact on the United States. By the end of this course, students will not only be prepared for success on the AP U.S. History exam but will have also developed a deep appreciation for the complexities of American history and its relevance to contemporary issues. Students will also have fulfilled the requirements for either World History 12 or Comparative Cultures 12. Please contact bryce.stewart@sd23.bc.ca for more information

PSYCHOLOGY 12 AP - YPSYC2AH4L (Linear)

Content: Psychology 12 AP is intended for those students who have excelled in Psychology 11 and who intend to write the Psychology 12 AP test in May. The AP class focus is on preparing for the AP exam and will cover more material in a shorter time than the Psychology 12 regular class. See also the Psychology 12 course description above.

CALCULUS 12AP - MCALC12H4L (Linear)

Recommendation: Pre-Calculus Math 11 Pre-AP

Content: This is an advanced, university level course offered to students who have completed Pre-Calculus 11 Pre-AP or Pre-Calculus 12. Topics covered include the theory of limits, differentiation of functions, curve sketching and integration. Students will solve problems using differentiation and integration: related rates, optimization, area under a curve and volumes of revolution. Students who successfully complete this course will find themselves well prepared for any first year university calculus course. The student will be prepared to write the Advanced Placement Math exam. Students taking this course must have completed Pre-Calculus 11 Pre-AP or Pre-Calculus 12. On completion of Calculus 12 AP, students will also have completed the requirements of Calculus 12.

ANATOMY & PHYSIOLOGY 12 AP - MBI--12H4L (Linear)

Recommended Prerequisite: Biology 11 Pre-AP

Content: In this course you will learn some of the skills necessary to become a successful scientist. You will work independently and in groups on the development of scientific competencies that include: questioning and predicting; planning and conducting; processing and analyzing data and information; evaluating, applying and innovating; and communicating. This will be accomplished through the study of various topics including; homeostasis is maintained through physiological processes; gene expression, through protein synthesis, interaction between genes and the environment; and organ systems have complex interrelationships to maintain homeostasis. Additional topics that will be covered include cellular respiration, photosynthesis, and cell communication. This class will help you develop a sustained curiosity to the world around you, an ability to assess assumptions and question given information, and an ability to apply scientific literacy to social, ethical, and environmental consideration in the real world. In senior science classes, there is a large focus on continuing education and careers that incorporate the field of science.

CHEMISTRY 12 AP - MCH--12H4L (Linear)

Recommended Prerequisite: Chemistry 11 Pre-AP. If you have taken Chemistry 11, please see the Science Department Head for more information.

Content:This course is designed for students intending to pursue a post-secondary degree in science or applied science. In this course you will learn some of the skills necessary to become a successful scientist. You will work independently and in groups on the development of scientific competencies that include: questioning and predicting; planning and conducting; processing and analyzing data and information; evaluating, applying and innovating; and communicating. This will be accomplished through the study of various topics including; reactants must collide to react, and the reaction rate is dependent on the surrounding conditions; dynamic equilibrium can be shifted by changes to the surrounding conditions; saturated solutions are systems in equilibrium; acid or base strength depends on the degree of ion dissociation; and oxidation and reduction are complementary processes that involve the gain or loss of electrons. This class will help you develop a sustained curiosity to the world around you, an ability to assess assumptions and question given information, and an ability to apply scientific literacy to social, ethical, and environmental consideration in the real world. In senior science classes, there is a large focus on continuing education and careers that incorporate the field of science. CALCULATOR: A scientific calculator is required for this course.

PHYSICS 12 AP - MPH--12H4L (Linear)

Recommended Prerequisite: Students wishing to enroll should have completed Pre-AP Physics 11 and Pre-Calculus Math 11 OR have permission from the instructor and recognize that a significant level of academic commitment is required.

Content: In this course you will learn some of the skills necessary to become a successful scientist. You will work independently and in groups on the development of scientific competencies that include: questioning and predicting; planning and conducting; processing and analyzing data and information; evaluating, applying and innovating; and communicating. This will be accomplished through the study of various topics including; measurement of motion depends on our frame of reference; forces can cause linear and circular motion; forces and energy interactions occur within fields; and momentum is conserved within a closed and isolated system. Additional topics include thermodynamics, harmonic motion, electro-magnetism, quantum physics, wave-particle duality, and angular kinematics. Tutorial time outside the bell schedule is mandatory. This class will help you develop a sustained curiosity to the world around you, an ability to assess assumptions and question given information, and an ability to apply scientific literacy to social, ethical, and environmental consideration in the real world. In senior science classes, there is a large focus on continuing education and careers that incorporate the field of science.

AP MUSIC COMPOSITION & THEORY 12 - AMU—12-4L (Linear – Outside of Timetable)

Content: Learn to recognize, understand, and describe the basic materials and processes of music. You'll develop skills by listening to, reading, writing, and performing a wide variety of music. Pitch, Major Scales and Key Signatures, Rhythm, Meter, and Expressive Elements, Minor Scales and Key Signatures, Melody, Timbre, and Texture, Triads and Seventh Chords, Harmony and Voice Leading, Modes and Form, as well as Composition!!

See Mrs. French, Room 128 if you have any questions.