



**Sioux North Course Calendar 2019/2020
Grades 10-12**

Course Selection Process:

Please take the time to look at what you want to take for next year, what you require to graduate, complete your Specialist High Skills Major, and complete the credits necessary for your chosen pathway.

If you have any questions along the way, please see guidance or admin, or your SERT for assistance!

Some courses are offered in alternating years. Please look closely and the course offerings.

Use the map on the final page, or your my blueprint (www.myblueprint.ca) to create a plan to see you through to graduation.

What do you need to graduate from high school?

18 compulsory credits

Students must earn the following compulsory credits to obtain the Ontario Secondary School Diploma:

4	credits in English (1 credit per grade)*
3	credits in mathematics (1 credit in Grade 11 or 12)
2	credits in science
1	credit in Canadian history
1	credit in Canadian geography
1	credit in the arts
1	credit in health and physical education
1	credit in French as a second language
0.5	credit in career studies
0.5	credit in civics

In addition, students must complete:

✓	12 optional credits†
✓	40 hours of community involvement activities
✓	the provincial literacy requirement

Plus one credit from each of the following groups:

- Group 1:**
 - English or French as a second language**
 - a Native language
 - 1 • a classical or international language
 - social sciences and the humanities
 - Canadian and world studies
 - guidance and career education
 - cooperative education***
- Group 2:**
 - health and physical education
 - 1 • the arts
 - business studies
 - French as a second language**
 - cooperative education***
- Group 3:**
 - science (Grade 11 or 12)
 - 1 • technological education
 - French as a second language**
 - computer studies
 - cooperative education***

* A maximum of 3 credits in English as a second language (ESL) or English literacy development (ELD) may be counted towards the 4 compulsory credits in English, but the fourth must be a credit earned for a Grade 12 compulsory English course.

** In groups 1, 2 and 3, a maximum of 2 credits in French as a second language can count as compulsory credits, one from group 1 and one from either group 2 or group 3.

*** A maximum of 2 credits in cooperative education can count as compulsory credits.

† The 12 optional credits may include up to 4 credits earned through approved dual credit courses.



Pathway Descriptions:

Grade 10 Academic Courses (D) focus on essential concepts of the discipline and explore related concepts. They develop students' knowledge and skills by emphasizing theoretical, abstract applications of concepts and incorporating practical applications.

Grade 10 Applied Courses (P) focus on the essential concepts of the discipline, but develop students' knowledge and skills by emphasizing practical, concrete applications of these concepts and incorporating theoretical applications as appropriate. Academic and applied courses differ in the balance between essential concepts and additional material, and in the balance between theory and applications.

Grade 10-12 Open Courses (O) allow students to broaden their knowledge and skills in a particular subject that may or may not be related to their post-secondary goals, but that reflects their interests. These courses are appropriate for all students regardless of post-secondary destination. These courses are designed to provide students with a broad educational base and to equip them for active and rewarding participation in society. They are not designed with the specific requirements of university or college programs or the workplace in mind.

Grade 10 Essential Courses (L) have been designed to meet the educational needs of students whose essential skills in reading, writing, mathematics and science require development. Students will have the opportunity to select essential courses that meet their needs. Each student's strengths and needs will determine appropriate pathways through secondary school and in the school-to-work transition.

Grade 11-12 College Preparation Courses (C) are designed to equip students with the knowledge and skills they need to meet the entrance requirements for college programs. The range of courses offered and the content of these courses will allow students to prepare for most college programs and related careers. Teaching and learning will emphasize concrete applications of the theoretical material covered in the course, and will also emphasize the development of critical-thinking and problem-solving skills. All college preparation courses will be based on rigorous provincial curriculum expectations and will emphasize the development of both independent research skills and independent learning skills. Students will be required to demonstrate that they have developed these skills.

University/College Preparation Courses (M) include content that is relevant for both university and college programs. These courses are designed to equip students with the knowledge and skills they need to meet the entrance requirements for specific university and college programs.

University Preparation Courses (U) are designed to equip students with the knowledge and skills they need to meet the entrance requirements for university programs. The range of courses offered and the content of these courses will allow students to prepare for university programs and related careers. Teaching and learning will emphasize theoretical aspects of the course content but will also include concrete applications. All university preparation courses will be based on rigorous curriculum expectations and will emphasize the development of both independent research skills and independent learning skills. Students will be required to demonstrate that they have developed these skills.

Workplace Preparation Courses (E) are designed to equip students with the knowledge and skills they need for direct entry into the workplace or for admission to apprenticeship programs and other training programs offered in the community. The range and content of the courses offered will allow students to prepare for a variety of jobs, training programs, and careers. Teaching and learning will emphasize workplace applications of the course content, and will also explore the theoretical material that underlies these practical applications.

Experiential learning through cooperative education and work experience placements within the community are important components of workplace preparation courses. Schools will involve employers and site supervisors in the planning of cooperative education and work experience placements, and will ensure that they have their cooperation and support in implementing these courses.

Workplace preparation courses will be based on rigorous provincial curriculum expectations and will emphasize the development of generic employment skills, as well as independent research and learning skills. Students will be required to demonstrate that they have developed these skills. Workplace preparation courses should also promote the importance of lifelong learning.

When completing your option sheet, review this guide for workplace pathway students.

Grade 10	Grade 11	Grade 12	Grade 12 +
MAT 2L	MEL 3E	MEL 4E	COOP
ENG 2L	NBE3E (gr 11 English)	ENG 4E	
Civics and Careers	GLD 2O or GWL3O	OLC 4O	
NAC 2O	5 Electives	GLN 4O or GWL3O	
SNC 2L		COOP (2)	
2 Electives		2 electives	

Timetable Changes

Our course offerings and staff allocations are developed with the understanding that students will take all of the courses they select. It will be our policy that once the timetable is completed, changes will be permitted only in very unusual circumstance. Valid reasons for requesting a timetable change include the following:

- A) Errors in timetabling
- B) Failure of a course
- C) Change in a career plan which requires a specific course change
- D) Need for a course in a different pathway (academic, applied, essential)
- E) Credit earned in summer school

During the first 3 weeks of school timetable changes will not be permitted unless it is an exceptional circumstance. Priority will be given at this time to new enrolments. Students are expected to treat their course selection like a commitment and see it through to the end of the semester.

Minimum courses per semester:

Grade 9- 11: 4 credits per semester

Grade 12: 3 credits per semester (with a minimum of 24 credits)

Grade 12 +: If you are returning to participate in the athletics program you must have a minimum of 3 credits/semester.

Requests to drop below the minimum credits per semester will only be approved by the Principal or Vice Principal, in consultation with the student and parent.

GRADE 10:

If you would like to take Civics & Careers courses during the summer, please select that option (in addition to 4 compulsory courses, and 4 elective courses).

You need to choose from the following compulsory courses:

Civics and Careers: Select a delivery method

School year or Summer (July 2 - July 12th face to face, plus one week online)

**** If you are selecting summer Civics/Careers, choose in My Blueprint CHV2OS and GLC2OS**

GLC 201: Career Studies (.5 Credit) Prerequisite: None

Ministry Description

This course teaches students how to develop and achieve personal goals for future learning, work, and community involvement. Students will assess their interests, skills, and characteristics and investigate current economic and workplace trends, work opportunities, and ways to search for work. The course explores post-secondary learning and career options, prepares students for managing work and life transitions, and helps students focus on their goals through the development of a career plan.

CHV 201: Civics and Citizenship (0.5 Credit) Prerequisite: None

Ministry Description

This course explores rights and responsibilities associated with being an active citizen in a democratic society. Students will explore issues of civic importance such as healthy schools, community planning, environmental responsibility, and the influence of social media, while developing their understanding of the role of civic engagement and of political processes in the local, national, and/or global community. Students will apply the concepts of political thinking and the political inquiry process to investigate, and express informed opinions about, a range of political issues and developments that are both of significance in today's world and of personal interest to them.

English (Choose 1):

ENG 2D1: English (Academic) prerequisite ENG 1D

Ministry Description

This course is designed to extend the range of oral communication, reading, writing, and media literacy skills that students need for success in their secondary school academic programs as well as in their daily lives. Students will analyze literary texts from contemporary and historical periods, interpret and evaluate informational and graphic texts, and create oral, written, and media texts in a variety of forms.

ENG 2P1: English (Applied) prerequisite ENG 1P

Ministry Description

This course is designed to extend the range of oral communication, reading, writing, and media literacy skills that students need for success in secondary school and daily life. Students will study and create a variety of informational, literary, and graphic texts. An important focus will be on the consolidation of strategies and processes that help students interpret texts and communicate clearly and effectively. This course is intended to prepare students for the compulsory Grade 11 college or workplace preparation course.

ENG2L1: English (Essential) prerequisite ENG 1L**Ministry Description**

The course is organized by strands that extend listening and talking skills, reading and viewing skills, and writing skills. In all strands, the focus is on refining foundational literacy skills and in using language clearly and accurately in a variety of authentic contexts. Students build on their strategies and engage in the processes involved in talking, listening, reading, viewing, writing, and thinking, and reflect regularly upon their growth in these areas.

Mathematics (Choose 1):**MPM 2D1: Principles in Mathematics (Academic) prerequisite MPM 1D****Ministry Description**

Students will explore quadratic relations and their applications; solve and apply linear systems; verify properties of geometric figures using analytic geometry; and investigate the trigonometry of right and acute triangles. Students will reason mathematically and communicate their thinking to solve multi-step problems.

MFM2P1: Foundation in Mathematics (Applied) prerequisite MFM1P**Ministry Description**

Students will develop and graph equations in analytic geometry; solve and apply linear systems, using real-life examples; and explore and interpret graphs of quadratic relations. Students will investigate similar triangles, the trigonometry of right triangles, and the measurement of three-dimensional figures.

MAT 2L1: Mathematics (Essential) prerequisite MAT 1L**Ministry Description**

The course is organized in three strands related to money sense, measurement, and proportional reasoning. In all strands, the focus is on strengthening and extending key foundational mathematical concepts and skills by solving authentic, everyday problems.

Science (Choose 1):**SNC2D1: Science (Academic) prerequisite SNC1D****Ministry Description**

This course enables students to enhance their understanding of concepts in biology, chemistry, earth and space science, and physics, and of the interrelationships between science, technology, society, and the environment. Students are also given opportunities to further develop their scientific investigation skills. Students will plan and conduct investigations and develop understanding of scientific theories related to the connections between cells and systems in animals and plants; chemical reactions, with a particular focus on acid–base reactions; forces that affect climate and climate change; and the interaction of light and matter.

SNC 2P1: Science (Applied) prerequisite SNC1P**Ministry Description**

This course enables students to develop a deeper understanding of concepts in biology, chemistry, earth and space science, and physics, and to apply their knowledge of science in real-world situations. Students are given opportunities to develop further practical skills in scientific investigation. Students will plan and conduct investigations into every day problems and issues related to human cells and body systems; chemical reactions; factors affecting climate change; and the interaction of light and matter.

SNC2L1: Science (Essential) prerequisite SNC 1L

Ministry Description

Students explore a range of topics, including science in the media, interactions of common materials, interdependence of organisms in communities, and using electrical energy. Students have the opportunity to extend mathematical and scientific process skills and to continue developing their skills in reading, writing, and oral language through relevant and practical science activities.

History (Choose one or both):

CHC2D1: Canadian History in the Twentieth Century (Academic)

Ministry Description

Students will investigate the challenges presented by economical, social, and technological changes, and explore the contributions of individuals and groups to Canadian culture and society during this period. Students will use critical thinking and communication skills to evaluate various interpretations of the issues and events of the period and to present their own points of view.

CHC 2P1: Canadian History in the Twentieth Century (Applied) Prerequisite: None

Ministry Description

Students will investigate the challenges presented by economical, social, and technological changes, and explore the contributions of individuals and groups to Canadian culture and society during this period. Students will use critical thinking and communication skills to evaluate various interpretations of the issues and events of the period and to present their own points of view.

NAC2O1: Aboriginal Peoples in Canada Prerequisite: None

This course may be used as a substitute for your Canadian History Credit, or taken as an elective. Students taking courses in the essential pathway should select this course.

Ministry Description

Students will examine legal, political, social and economic issues; key aspects of the Indian act and its revisions that have an impact on the daily lives of Aboriginal persons; the different types of relationships that Aboriginal peoples have established with other nations throughout history; and the methodology of historical inquiry.

Elective Credits (Choose 4-5): (you may also explore grade 11 open credits)

Physical and Health Education

PAI 2O1: Wellness * Prerequisite: None *NEW OFFERING**

Course Description

In this course we will be exploring finding healthy activities to compliment your daily life. Students will improve wellness by building coping strategies to tackle life's obstacles. Students will set individual goals based on their needs to work towards completing by the end of the semester.

PPL 2O1: Healthy Active Living Education Prerequisite: None

Ministry Description

This course enables students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities, students develop knowledge and skills related to movement competence and personal fitness that provide a foundation for active living. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.

PAD 201: Outdoor Education Prerequisite: None

This course will focus on traditional activities within an indigenous model of delivery. Students will have the opportunity to explore a variety of traditional activities, many involving the outdoors. While gaining an appreciation of the natural environment, students will also have opportunities to work together and collaborate in a team building atmosphere. This course can be used as an alternative to PPL20.

PAL201: Hockey Academy Prerequisite: None

The goal of the Hockey Academy is to fully develop each player's individual skills, game tactics and athletic potential. These individual skills will be incorporated into a team concept focusing on team building skills, tactics and strategies. Each player will have an individual fitness program prepared by a certified fitness trainer, which will be assessed and modified throughout the school year. There will be a fee for this course.

Technological Studies

HFN 201: Food and Nutrition Prerequisite: None ** NEW OFFERING**

Ministry Description

This course focuses on guidelines for making nutritious food choices. Students will investigate factors that influence food choices, including beliefs, attitudes, current trends, traditional eating patterns, food-marketing strategies, and individual needs. Students will also explore the environmental impact of a variety of food choices at the local and global level. The course provides students with opportunities to develop food-preparation skills and introduces them to the use of social science research methods in the area of food and nutrition.

TTJ 201: Transportation Technology Prerequisite: None

Ministry Description

This course introduces students to the service and maintenance of vehicles, aircraft, and/or watercraft. Students will develop knowledge and skills related to the construction and operation of vehicle/craft systems and learn maintenance and repair techniques. Student projects may include the construction of a self-propelled vehicle or craft, engine service, tire/wheel service, electrical/battery service, and proper body care. Students will develop an awareness of related environmental and societal issues and will explore secondary and postsecondary pathways leading to careers in the transportation industry.

TCJ 201: Construction Technology Prerequisite: None

Ministry Description

This course requires students to acquire fundamental skills of the trades through exposure to practical applications (project-based). Students will explore all aspects of the support systems of a building. They will also develop the knowledge and ability to demonstrate safe working practices and procedures in the trades. The units are designed in such a way that the activities are project-based. Students will gain insight into a variety of trades through practical, hands-on experience. They will identify careers related to these trades.

TXJ 201: Hairstyle and Aesthetics Prerequisite: None**Ministry Description**

This course presents hairstyling, make-up, and nail care techniques from a salon/spa perspective. Through a variety of school and community-based activities, students learn fundamental skills in hairstyling, manicures and facials, hair/scalp analyses, and treatments. Students also consider related environmental and societal issues and explore pathways leading to careers in the field of hairstyling and aesthetics.

Note: Students must work in partners and have physical contact with other students for salon practicals.

TGJ 201 Communication Technology Prerequisite: None**Ministry Description**

This course introduces students to communications technology from a media perspective. Students will work in the areas of TV/video and movie production, radio and audio production, print and graphic communications, photography, and animation. Student projects may include computer-based activities such as creating videos, editing photos, working with audio, cartooning, developing animations, and designing web pages. Students will also develop an awareness of environmental and societal issues related to communications technology and explore secondary and postsecondary education and training pathways and career opportunities in the various communications technology fields.

Second Language**LNL BO1: Oji-Cree level 2 Prerequisite: LNLAO****Ministry Description**

This course is open to the entire student body and will allow students to further develop an appreciation for a Native language and culture, to explore and experience a unique worldview, and to learn to speak Oji-Cree. Students will use the language being studied for greetings and daily routines, become familiar with its writing and sound system, and practice basic vocabulary and phrases. Students will also use information technology during course-related activities.

FSF 2D1: French as a Second Language**Ministry Description**

This course enables students to increase their knowledge of the French language, further develop their language skills, and deepen their understanding and appreciation of francophone culture around the world. Exploring a variety of themes, students will develop and apply critical thinking skills in discussion, in their analysis and interpretation of texts, and in their own writing.

Arts Courses**** NEW OFFERING ******AWA 201: Visual Arts- Crafts focus****Ministry Description**

This course focuses on skills and knowledge needed to nurture creativity and promote the artistic and cultural ties that bind us as learners in the classroom, as community, and as people. The course is designed to develop student expression and creative skills to create individual works using a variety of crafts, primarily Anishinabe. Students will also develop an understanding of the cultural and historical significance of crafts. *The production of crafts is the manipulation of materials, traditional and contemporary, to produce functional objects. Students will have the opportunity to create objects of aesthetic beauty that serve a practical purpose. Potential media include bark, wood, beads, fabric and fibre.*

AVI 201: Visual Arts Prerequisite: None

Ministry Description

This course enables students to develop their skills in producing and presenting art by introducing them to new ideas, materials, and processes for artistic exploration and experimentation. Students will apply the elements and principles of design when exploring the creative process. Students will use the critical analysis process to reflect on and interpret art within a personal, contemporary, and historical context.

AMU 201: Instrumental Music Prerequisite: None

Ministry Description

This course emphasizes the creation and performance of music at a level consistent with previous experience. Students will develop musical literacy skills by using the creative and critical analysis processes in composition, performance, and a range of reflective and analytical activities. Students will develop their understanding of musical conventions, practices, and terminology and apply the elements of music in a range of activities. They will also explore the function of music in society with reference to the self, communities, and cultures.

AMS 201: Strings Prerequisite: None

Ministry Description

This course enables students to enhance their musical literacy through the creation, appreciation, analysis, and performance of music. Students will perform traditional, commercial, and art music, and will respond with insight to live and recorded performances. Students will enhance their understanding of the function of music in society and the impact of music on themselves and various communities and cultures. Students will analyse how to apply skills developed in music to their life and careers. This course will focus on instrumental music - strings.

ADA 201: Prerequisite: None

Ministry Description

This course provides opportunities for students to explore dramatic forms, conventions, and techniques. Students will explore a variety of dramatic sources from various cultures and representing a range of genres. Students will use the elements of drama in creating and communicating through dramatic works. Students will assume responsibility for decisions made in the creative and collaborative processes and will reflect on their experiences.

Guidance Courses

GLD 201: Discovering the Workplace Prerequisite: None Note: This purpose of this course is to help students increase their employability skills prior to selecting a cooperative education option.

Ministry Description

This course provides students with opportunities to discover and develop the workplace essential skills and work habits required to be successfully employed. Students will develop an understanding of work through practical hands-on experiences in the school and in the community, using real workplace materials. They investigate occupations of interest through experiential learning opportunities, such as worksite visits, job shadowing, work experience, simulations, and entrepreneurial projects. This course helps students make plans for continued learning and work.

STUDENT ACCIDENT INSURANCE Student Accident Insurance is made available to all Keewatin Patricia District Board Students in September. This insurance is optional and is paid for by students and parents. All students are strongly encouraged to purchase a policy.

GRADE 11

Considerations:

- Are you planning on college after high school? Make sure you have your pre-requisites planned out!
- Are you planning on university after high school? You need to map out your 6 4U credits!
- Are you planning on going to the workforce? You should ensure you sign up for COOP so that you can gain valuable experience!

Grade 11 (some courses are designated to semester 1 or 2 in order to support your pathway planning, those courses are marked as such, other courses will fall as they fit best into the overall timetable)

Please check for courses offered in alternating years. It is strongly recommended that you map out your courses with this in mind.

Compulsory Courses:

Grade 11 English (Choose one):

NBE 3U1: English, Contemporary First Nations Authors (Semester 1)

Ministry Description

This course emphasizes the development of literacy, critical thinking, and communication skills through the study of works in English by Aboriginal writers. Through the analysis of literary texts and media works, students will develop an appreciation of the wealth and complexity of Aboriginal writing. Students will also conduct research and analyse the information gathered; write persuasive and literary essays; and analyse the relationship between media forms and audiences. An important focus will be the further development of students' understanding of English-language usage and conventions.

NBE 3C1 English, Contemporary First Nations Authors

Ministry Description

This course emphasizes the development of literacy, critical thinking, and communication skills through the study of works in English by Aboriginal writers. Students will study the content, form, and style of informational texts and literary and media works, and will develop an appreciation of the wealth and complexity of Aboriginal writing. Students will also write reports, correspondence, and persuasive essays and analyse the relationship between media forms and audiences. An important focus will be on establishing appropriate voice and using business and technical language with precision and clarity.

NBE 3E1: English, Contemporary First Nations Authors

Ministry Description

Students will study the content, form, and style of informational texts and literary and media works, and will develop an appreciation of the wealth and complexity of Aboriginal writing. Students will also write explanations, letters, and reports, and will investigate the connections between media forms and audiences. An important focus will be on using language clearly, accurately, and effectively in a variety of contexts.

Grade 11 Math (Choose one):

MCR 3U1: Functions (semester 1 and split with 3M semester 2)

Ministry Description

Students will investigate properties of discrete and continuous functions, including trigonometric and

exponential functions; represent functions numerically, algebraically, and graphically; solve problems involving applications of functions; investigate inverse functions; and develop facility in determining equivalent algebraic expressions. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

MCF 3M1: Functions and Applications (Semester 2)

Ministry Description
This course introduces basic features of the function by extending students' experiences with quadratic relations. It focuses on quadratic, trigonometric, and exponential functions and their use in modelling real world situations.

MBF 3C1: Foundations for College Mathematics

Ministry Description
Students will extend their understanding of quadratic relations; investigate situations involving exponential growth; solve problems involving compound interest; solve financial problems connected with vehicle ownership; develop their ability to reason by collecting, analysing, and evaluating data involving one variable; connect probability and statistics; and solve problems in geometry and trigonometry.

MEL 3E1: Mathematics for Work and Everyday Life

Ministry Description
Students will solve problems associated with earning money, paying taxes, and making purchases; apply calculations of simple and compound interest in saving, investing, and borrowing; and calculate the costs of transportation and travel in a variety of situations.

Electives (Choose 6):

Science

Note: SHSM students must complete a science a business course.

SBI 3U1: Biology

Ministry Description
This course furthers students' understanding of the processes that occur in biological systems. Students will study theory and conduct investigations in the areas of biodiversity; evolution; genetic processes; the structure and function of animals; and the anatomy, growth, and function of plants. The course focuses on the theoretical aspects of topics studied, and helps students refine skills related to scientific investigation.

SPH 3U1: Physics (Semester 1)

Ministry Description
This course develops students' understanding of the basic concepts of physics. Students will explore kinematics, with an emphasis on linear motion; different kinds of forces; energy transformations; the properties of mechanical waves and sound; and electricity and magnetism. They will enhance their scientific investigation skills as they test laws of physics. In addition, they will analyze the interrelationships between physics and technology, and consider the impact of technological applications of physics on society and the environment.

SVN 3E1: Environmental Science

Ministry Description

This course provides students with the fundamental knowledge of human activities on the environment; human health and the environment; energy conservation; resource science and management; and safety and environmental responsibility in the workplace. Emphasis is placed on relevant, practical applications and current topics in environmental science, with attention to the refinement of students' literacy and mathematical literacy skills as well as the development of their scientific and environmental literacy.

SVN 3M1: Environmental Science

Ministry Description

This course provides students with the fundamental knowledge of human activities on the environment; human health and the environment ;energy conservation; resource science and management; and safety and environmental responsibility in the workplace. Emphasis is placed on relevant, practical applications and current topics in environmental science, with attention to the refinement of students' literacy and mathematical literacy skills a s well as the development of their scientific and environmental literacy.

SBI 3C1: Biology

Ministry Description

This course focuses on the processes that occur in biological systems. Students will learn concepts and theories as they conduct investigations in the areas of cellular biology, microbiology, genetics, the anatomy of mammals, and the structure of plants and their role in the natural environment. Emphasis will be placed on the practical application of concepts, and on the skills needed for further study in various branches of the life sciences and related fields.

SCH 3U1: Chemistry

Ministry Description

This course enables students to deepen their understanding of chemistry through the study of the properties of chemicals and chemical bonds; chemical reactions and quantitative relationships in those reactions; solutions and solubility; and atmospheric chemistry and the behaviour of gases. Students will further develop their analytical skills and investigate the qualitative and quantitative properties of matter, as well as the impact of some common chemical reactions on society and the environment.

Humanities**HFC 3M1: Food and Culture**

Ministry Description

This course focuses on the flavours, aromas, cooking techniques, foods, and cultural traditions of world cuisines. Students will explore the origins of and developments in diverse food traditions. They will demonstrate the ability to cook with ingredients and equipment from a variety of cultures, compare food related etiquette in many countries and cultures, and explain how Canadian food choices and traditions have been influenced by other cultures. Students will develop practical skills and apply social science research methods while investigating foods and food practices from around the world.

CHW3M1: World History to the End of the 1500's (not offered in 2019/2020) Will be offered in 20/21

Ministry Description

This course explores the history of various societies and civilizations around the world, from earliest times to around 1500 CE. Students will investigate a range of factors that contributed to the rise, success, and decline of various ancient and pre-modern societies throughout the world and will examine life in and the cultural and political legacy of these societies. Students will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating social, political, and economic structures and historical forces at work in various societies and in different historical eras.

CHT3O1: Twentieth Century World History (offered in 2019/2020) Not offered in 20/21

Ministry Description

This course focuses on events and issues in twentieth-century world history. Students will analyse issues relating to the two world wars, the Cold War, post-1945 regional conflicts, human rights, changes in everyday life, and the problems facing developing countries. The skills and knowledge developed in the course will help students understand and analyse the challenges facing peoples, both historically and at the present time, in various parts of the world.

HNC 3O1: Understanding Fashion (not offered in 2019/2020) will offer in 20/21

Ministry Description

This course introduces students to the world of fashion. Students will gain an understanding of theories related to fashion trends and of how culture, media, fashion cycles, retailing, and social and environmental factors influence fashion trends and consumer behaviour. Students will use various tools, technologies, and techniques safely and correctly to create fashion items. They will apply knowledge of fibres, fabrics, and the elements and principles of design when creating and assessing fashion-related products. Students will develop research skills as they investigate topics related to fashion.

HHD 3O1: Dynamics of Human Relationships

Ministry Description

This course focuses on helping students understand the individual and group factors that contribute to healthy relationships. Students will examine the connections between their own self-concept and their interpersonal relationships. They will learn and practise strategies for developing and maintaining healthy relationships with friends, family, and community members, as well as with partners in intimate relationships. Students will use research and inquiry skills to investigate topics related to healthy relationships.

HPC 3O1: Parenting

Ministry Description

Students will learn how to meet the developmental needs of young children, communicate and discipline effectively, and guide early behaviour. They will have practical experiences with infants, toddlers, and preschoolers, and will learn skills in researching and investigating questions relating to parenting.

HSP 3U1: Introduction to Anthropology, Sociology, and Psychology

Ministry Description

This course provides students with opportunities to think critically about theories, questions, and issues related to anthropology, psychology, and sociology. Students will develop an understanding of the approaches and research methods used by social scientists. They will be given opportunities to explore

theories from a variety of perspectives, to conduct social science, and to become familiar with current thinking on a range of issues within the three disciplines. Topics: What makes us Human, Abnormal Psychology , The Socialization Process.

HSP 3C1: Introduction to Anthropology, Psychology, and Sociology

Ministry Description

This course introduces students to theories, questions, and issues related to anthropology, psychology, and sociology. Students learn about approaches and research methods used by social scientists. They will be given opportunities to apply theories from a variety of perspectives, to conduct social science research, and to become familiar with current issues within the three disciplines.

GPP 3O1: Peer Leadership

Ministry Description

This course prepares students to act in leadership and peer support roles. They will design and implement a plan for contributing to their school and/or community; develop skills in communication, interpersonal relations, teamwork, and conflict management; and apply those skills in leadership and/or peer support roles – for example, as a student council member or a peer tutor. Students will examine group dynamics and learn the value of diversity within groups and communities.

HRF 3O1: World Religions

Ministry Description

This course introduces students to the range and diversity of world religions, and examines how systems of belief affect individual lives and social relationships. Students will learn about a variety of religious beliefs, teachings, traditions, and practices. The course also helps students to develop skills used in researching and investigating topics related to world religions.

CLU3M1: Understanding Canadian Law

Ministry Description

Students will investigate fundamental legal concepts and processes to gain a practical understanding of Canada's legal system, including the criminal justice system. Students will use critical-thinking, inquiry, and communication skills to develop informed opinions on legal issues and apply this knowledge in a variety of ways and settings, including case analyses, legal research projects, mock trials, forensic work, and debates.

CLU 3E1: Understanding Canadian Law

Ministry Description

Students will examine the need for laws in society, the roots of Canada's legal system, the rights and freedoms that people in Canada enjoy, and the basic elements of criminal law and dispute resolution. Through experiences such as mock trials, debates, and case studies, students will apply inquiry and communication skills to develop and express opinions on legal topics of interest to them.

NBV 3E1: World Views and Aspirations of First Nations, Metis, and Inuit Communities in Canada

Prerequisite: NAC2O, CHC2P, CHC2D

Ministry Description

This course explores diverse world views and aspirations of First Nations, Métis, and Inuit peoples in Canada. Students will examine issues of identity facing First Nations, Métis, and Inuit individuals and

communities with respect to changing relationships with the land, nature, one another, and Canada. Students will explore their own world views, and the factors that shape world views over time, to develop an understanding of how traditional and contemporary values influence the aspirations of First Nations, Métis, and Inuit peoples.

NBV 3C1: World Views and Aspirations of First Nations, Metis, and Inuit Communities in Canada

Prerequisite: NAC2O, CHC2D, CHC2P

Ministry Description

This course explores diverse world views and aspirations of First Nations, Métis, and Inuit peoples in Canada. Students will examine the traditional context for – and current economic, cultural, and social successes and challenges related to – those beliefs, values, and aspirations. Students will explore their own and others' world views, and the factors that shape world views, to develop an understanding of how traditional and contemporary values influence the aspirations of First Nations, Métis, and Inuit peoples. Students are also given the opportunity to develop their own problem-solving strategies to address an issue of diversity and inclusion.

IDP40/NBV3E/C: - Aboriginal Identities Grade 12 Open, Grade 11 College (2 credit) ** NEW OFFERING******

Prerequisite: NAC2O, CHC2D, or CHC2P

**** Students have the option to choose the NBV 3E or NBV 3C option**

**** this is a 2 credit course package**

This two credit course will allow students to examine different First Nations harvesting techniques and other technologies from across Canada and places a focus on how these relate to the beliefs, values, and aspirations of Aboriginal peoples in Canada. Students will examine world views of Aboriginal peoples and the political, economic, cultural, and social challenges facing individuals and communities. Students will also learn how traditional and contemporary beliefs and values influence the aspirations and actions of Aboriginal peoples.

Students will examine traditional First Nations harvesting and history and will embark on a variety of individual and collaborative projects that examine the importance of traditional harvesting skills and knowledge to First Nations culture. Through the expectations from NBV 3C/3E the students will also gain a deeper understanding of the role of traditional practices in re-establishing and maintaining their cultural connection to the land and the challenges faced by First Nations people in a modern society.

The class will also examine a variety of other First Nation technologies in which they will research, create, evaluate, and communicate the interrelationships between the natural environments of different regions across Canada in relation to their projects. A focus on community, culture, language, and an understanding of ecological values from an Aboriginal perspective will develop a sense of cultural identity and pride in oneself.

This course combines the expectations for Interdisciplinary Studies, Grade 12, Open (IDC 4O) with those from Aboriginal Beliefs, Values, and Aspirations (NBV 3C/3E) as well as selected expectations from other courses (Managing Personal and Family Resources HIR3C, Managing Personal Resources HIP3E, Native Language Level 4 NL4, Environment and Resources Management CGR4M, Career Studies GLC2O, Health and Physical Education PPL3O, Food and Nutrition HFN 2O).

HSE 3E1: Equity & Social Justice

**** NEW OFFERING****

Ministry Description

This course enables students to develop an understanding of historical and contemporary issues relating to

equity, diversity, and social justice in a variety of contexts. Students will explore the nature of diversity and power relations in Canada and how social norms shape individual identity. They will learn about social activism and how to address situations that involve discrimination, harassment, and denial of rights. Students will develop and apply research skills and will design and implement a social action initiative relating to an equity, diversity, or social justice issue.

HLS3O1: Housing and Home Design **NEW OFFERING**

If you like to challenge yourself with creative hands-on and computer based activities and projects related to housing and home design, this course is for you! Special attention is given to creating DIY projects to enhance the style and function of a home where the design process, elements and principles of design, learning how to safely use common hand tools, and understanding how upcycling positively impacts the environment are all a focus. Students will also use their creativity while studying architecture to design and create computer-based and hand-on house models. Other concepts include learning about different types of living spaces and forms of shelter throughout time and the world, exploring people's physical, social, emotional, financial and cultural preferences related to individual lifestyles, and learning about various design styles, identify one's personal style and further analyzing the work of others. Upon completion of this course, students will be able to make practical decisions about where to live, how to create functional and pleasing environments related to a home, and students will have a better understanding of careers related to housing and design.

Ministry Description

This course introduces students to a range of issues related to housing and home design. Students will learn about the needs that housing fulfils; housing options; home maintenance and safety; and environmental, economic, legal, and social considerations related to housing. They will use the elements and principles of design to analyse design and decorating decisions. Students will develop research skills as they investigate issues related to housing and home design.

Technological Studies

TXJ 3E1: Aesthetics & Hairstyling Prerequisite: None

Ministry Description

This course enables students to develop knowledge and skills in cosmetology and offers a variety of applications that will equip students to provide services for a diverse clientele. Students identify trends in the hairstyling and aesthetics industry, learn about related health and safety laws, and expand their communication and interpersonal skills through interactions with peers and clients. Students consider environmental and societal issues related to the industry and acquire a more detailed knowledge of apprenticeships and direct entry work positions.

Note: Students must be prepared to work in partners and have physical contact with other students for salon practicals.

TCJ3E1 : Construction Technology Prerequisite: None ** NEW OFFERING**

Ministry Description

This course focuses on the development of knowledge and skills related to residential construction. Students will gain hands on experience using a variety of construction materials, processes, tools, and equipment; learn about building design and planning construction projects; create and interpret working drawings and sections; and learn how the Ontario Building Code and other regulations and standards apply to construction projects. Students will also develop an awareness of environmental and societal issues related to construction technology, and explore career opportunities in the field.

TCJ3C1 : Construction Technology Prerequisite: TCJ2O

Ministry Description

This course focuses on the development of knowledge and skills related to residential construction. Students will gain hands on experience using a variety of construction materials, processes, tools, and equipment; learn about building design and planning construction projects; create and interpret working drawings and sections; and learn how the Ontario Building Code and other regulations and standards apply to construction projects. Students will also develop an awareness of environmental and societal issues related to construction technology, and explore career opportunities in the field.

TTJ 3E1: Transportation Technology Prerequisite: None ** NEW OFFERING**

Ministry Description

This course enables students to develop technical knowledge and skills as they study, test, service, and repair engine, electrical, suspension, brake, and steering systems on vehicles, aircraft, and/or watercraft. Students will develop communication and teamwork skills through practical tasks, using a variety of tools and equipment. Students will develop an awareness of environmental and societal issues related to transportation and will learn about apprenticeship and college programs leading to careers in the transportation industry.

TTJ 3C1: Transportation Technology Prerequisite: TTJ2O

Ministry Description

This course enables students to develop technical knowledge and skills as they study, test, service, and repair engine, electrical, suspension, brake, and steering systems on vehicles, aircraft, and/or watercraft. Students will develop communication and teamwork skills through practical tasks, using a variety of tools and equipment. Students will develop an awareness of environmental and societal issues related to transportation and will learn about apprenticeship and college programs leading to careers in the transportation industry.

ICS3U1: Introduction to Computer Science **NEW OFFERING Prerequisite: None**

Ministry Description

This course introduces students to computer science. Students will design software independently and as part of a team, using industry-standard programming tools and applying the software development life-cycle model. They will also write and use subprograms within computer programs. Students will develop creative solutions for various types of problems as their understanding of the computing environment grows. They will also explore environmental and ergonomic issues, emerging research in computer science, and global career trends in computer-related fields.

ICS3C1: Introduction to Computer Programming **NEW OFFERING Prerequisite: None**

Ministry Description

This course introduces students to computer programming concepts and practices. Students will write and test computer programs, using various problem-solving strategies. They will learn the fundamentals of program design and apply a software development life-cycle model to a software development project. Students will also learn about computer environments and systems, and explore environmental issues related to computers, safe computing practices, emerging technologies, and postsecondary opportunities in computer-related fields.

Arts

AMS 301: Strings Prerequisite: None

Recommended: previous music courses or experience with reading and performing music

Ministry Description

This course emphasizes the creation and performance of music, with an intermediate focus on stringed instruments – the violin, viola, cello, and double bass. Students will develop advanced musical literacy skills by using the creative and critical analysis processes in composition, performance, and a range of reflective and analytical activities. Students will develop their understanding of musical conventions, practices, and terminology and apply the elements of music in a range of activities. They will also explore the function of music in society with reference to the self, communities, and cultures.

AMG 301: Guitar Prerequisite: None

Recommended - previous music courses or experience with reading and performing music

Ministry Description

This course emphasises performance of music from the beginner to the intermediate guitar player that strikes a balance between challenge and skill. Students will develop and perform various works from different cultures, time periods and including their own compositions. They will perform both for an audience along with participating in the recording and production process. They will be working both independently along with in small groups.

AVI 301: Visual Arts Prerequisite: None

Ministry Description

This course focuses on studio activities in the visual arts, such as drawing, painting, sculpture, photography, printmaking, collage, and for multimedia art. Students will use the creative process to create artworks that reflect a wide range of subjects and will evaluate works using the critical analysis process. Students will also explore works of art within a personal, contemporary, historical, and cultural context.

The primary focus will be on hand crafts. Students will carve, sew, bead and woodburn.

ADA 301: Drama Prerequisite : None

Ministry Description

This course requires students to create and perform in dramatic presentations. Students will analyse, interpret, and perform dramatic works from various cultures and time periods. Students will research various acting styles and conventions that could be used in their presentations, and analyse the functions of playwrights, directors, actors, designers, technicians, and audiences.

AMU 301: Prerequisite: None

Recommended - previous music courses or experience with reading and performing music

Ministry Description

This course provides students with opportunities to develop their musical literacy through the creation, appreciation, analysis, and performance of music, including traditional, commercial, and art music. Students will apply the creative process when performing appropriate technical exercises and repertoire and will employ the critical analysis processes when reflecting on, responding to, and analysing live and recorded performances. Students will consider the function of music in society and the impact of music on individuals and communities. They will explore how to apply skills developed in music to their life and careers

Business

SHSM students must choose one of these courses or an additional grade 11/12 science.

AYEP01 - BDI 3C1

Ministry Description

Aboriginal Youth Entrepreneurship Program - Preparing aboriginal youth for entrepreneurial studies. This program is a 2-credit package completed in two semesters. The first credit is grade 11 business and the second credit is a grade 12 business credit.

BMX 3E1: Introduction to Retail and Services Marketing

Ministry Description

This course focuses on developing knowledge and applying skills in the context of retail and services marketing. Students will learn about the importance of customer service, analyse the methods used to maintain customer loyalty, examine ways in which product presentation influences buyers, and investigate the critical factors in inventory control, including the role of technology.

BMI 3C1: Marketing: Goods, Services, Events ** NEW OFFERING**

Ministry Description

This course introduces the fundamental concepts of product marketing, which includes the marketing of goods, services, and events. Students will examine how trends, issues, global economic changes, and information technology influence consumer buying habits. Students will engage in marketing research, develop marketing strategies, and produce a marketing plan for a product of their choice.

Physical and Health Education

PAI 301 : Wellness

In this course, students will be exploring finding healthy activities to compliment their daily lives. Students will improve personal wellness by building coping strategies to tackle life's obstacles. Students will set individual goals based on their needs to work towards completing by the end of the semester.

Ministry Description (none)

PPL301 : Healthy Active Living

Ministry Description

Students will be encouraged to develop personal competence in a variety of movement skills and will be given opportunities to practise goal-setting, decision-making, social, and interpersonal skills. Students will also study the components of healthy relationships, reproductive health, mental health, and personal safety.

PAL 301 : Hockey Academy

Ministry Description

The goal of the Hockey Academy is to fully develop each player's individual skills, game tactics and athletic potential. These individual skills will be incorporated into a team concept focusing on team building skills,

tactics and strategies. Each player will have an individual fitness program prepared by a certified fitness trainer, which will be assessed and modified throughout the school year. There will be a fee for this course.

PAL 301 : Soccer, Volleyball, Basketball Focus Course *NEW OFFERING*****

Ministry Description (none)

PAD 301 Traditional Technology, Grade 11, Open *NEW OFFERING*****

This course will focus on traditional indigenous activities from our area. Students will have the opportunity to explore a variety of traditional activities, mainly involving spending time on the land. While gaining an appreciation of and learning about the natural environment, students will also have opportunities to work together and independently on creating and using traditional technologies. Some technologies that will be examined include snowshoes, canoes, tools for hunting and harvesting, baskets, medicines, clothing, and the cooking and preservation of foods.

PSK 4U1: Introduction to Kinesiology *NEW OFFERING*****

Ministry Description

This course focuses on the study of human movement and of systems, factors, and principles involved in human development. Students will learn about the effects of physical activity on health and performance, the evolution of physical activity and sport, and the physiological, psychological, and social factors that influence an individual's participation in physical activity and sport. The course prepares students for university programs in physical education and health, kinesiology, health sciences, health studies, recreation, and sports administration. Prerequisite: Any Grade 11 university or university/college preparation course in science, or any Grade 11 or 12 course in health and physical education

Cooperative Education & Guidance:

COOP01: Co-operative Education

Note: Choose COOP01 for 1 semester only. Additionally, choose COOP2 for co-op in 2 semesters.

Ministry Description

Cooperative Education gives students the opportunity to experience the workplace. It is beneficial to those students who have specific pathways in mind but also provides guidance for those students who have not yet chosen a destination. COOP is typically two periods in a day. The COOP teacher can provide additional information about the many offerings available.

GWL 301: Designing your Future Prerequisite: None

Ministry Description

This course prepares students to make successful transitions to postsecondary destinations as they investigate specific postsecondary options based on their skills, interests, and personal characteristics. Students will explore the realities and opportunities of the workplace and examine factors that affect success, while refining their job-search and employability skills. Students will develop their portfolios with a focus on their targeted destination and develop an action plan for future success.

Ontario Youth Apprenticeship Program (OYAP), Workplace

The Ontario Youth Apprenticeship Program (OYAP) is an opportunity for students to begin working on an apprenticeship in a skilled trade while still in high school and receive high school credits at the same time.

OYAP students can begin to earn valuable hours towards apprenticeship training, recognized by the Ontario Ministry of Training, Colleges and Universities. The Ontario Youth Apprenticeship Program is offered through the Cooperative Education program. Students in a cooperative education placement can begin to work on the skills necessary to complete an apprenticeship. This can begin as early as grade 11 and can continue into grade 12. At the same time, students continue to work on compulsory and elective subjects necessary to complete grade 12. Students typically do not receive a wage while in high school, however, they leave with their OSSD and a career already underway! Students then continue with their apprenticeship heading toward certification.

Prerequisite: Current placement in Cooperative Education

Specialized Cooperative Education Earn & Learn Program

The Specialized Cooperative Education Program provides participants with an opportunity to earn credits toward Ontario Secondary School Diplomas, while continuing to work. Participants work to complete course assignments and use their job as a coop placement.

Prerequisite: Admission into the Specialized Cooperative Education Program is only available to students who meet specific criteria and receive permission and approval from an in-school student support committee.

Second Language Courses:

LNL CO1 : Oji-Cree
<p>Ministry Description</p> <p>This course will provide students an opportunity to expand their knowledge of a Native language and of Native philosophy, spirituality, and values, and to enhance their identity and self-worth. Students will communicate by using a variety of phrases and expressions, create short conversations, skits, stories, and narratives, use information technology, and develop an awareness of the structural and functional workings of a Native language.</p>

FSF 3U1 : French as a Second Language
<p>Ministry Description</p> <p>This course draws on a variety of themes to promote extensive development of reading and writing skills and to reinforce oral communication skills. Students will gain a greater understanding of French-speaking cultures in Canada and around the world through their reading of a variety of materials, including a short novel or a play. The use of correct grammar and appropriate language conventions in both spoken and written French will be emphasized throughout the course.</p>

GRADE 12

(some courses are designated to semester 1 or 2 in order to support your pathway planning, those courses are marked as such, other courses will fall as they fit best into the overall timetable)

Please review courses that will be offered in alternating years. It would be ideal to map out your courses.

Compulsory Courses:

English (Choose a minimum of 1) :

ENG 4U1: English
Ministry Description

Students will analyse a range of challenging literary texts from various periods, countries, and cultures; interpret and evaluate informational and graphic texts; and create oral, written, and media texts in a variety of forms. An important focus will be on using academic language coherently and confidently, selecting the reading strategies best suited to particular texts and particular purposes for reading, and developing greater control in writing.

ENG 4C1: English

Ministry Description

This course emphasizes the consolidation of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyse a variety of informational and graphic texts, as well as literary texts from various countries and cultures, and create oral, written, and media texts in a variety of forms for practical and academic purposes. An important focus will be on using language with precision and clarity and developing greater control in writing.

ENG 4E1: English

Ministry Description

Students will analyse informational, graphic, and literary texts and create oral, written, and media texts in a variety of forms for workplace-related and practical purposes. An important focus will be on using language accurately and organizing ideas and information coherently. The course is intended to prepare students for the workplace and active citizenship.

EWC 4U1: Writer's Craft This will be offered in 2019/20, will not be offered in 2020/21

Ministry Description

This course emphasizes knowledge and skills related to the craft of writing. Students will investigate models of effective writing; use a workshop approach to write a variety of works; and make considered decisions for improving the quality of their writing. They will also complete a creative or analytical independent study project and investigate opportunities for publication and for writing careers.

EWC 4C1: Writer's Craft offer in 19/20 will not be offered in 20/21

Ministry Description

This course emphasizes knowledge and skills related to the craft of writing. Students will investigate models of effective writing; use a workshop approach to write a variety of works; and make considered decisions for improving the quality of their writing. They will also complete a creative or analytical independent study project and investigate opportunities for publication and for writing careers.

OLC 4O1: Ontario Literacy Course

Ministry Description

Students who complete the course successfully will meet the provincial literacy requirement for graduation. Students will read a variety of informational, narrative, and graphic texts and will produce a variety of forms of writing, including summaries, information paragraphs, opinion pieces, and news reports. Students will also maintain and manage a literacy portfolio containing a record of their reading experiences and samples of their writing.

Elective Courses (choose 5-7):

Second Language

LNL DO1: Oji-Cree

Ministry Description

This course will provide students with opportunities to further develop their knowledge of a Native language and of Native philosophy, spirituality, and values, and to enhance their sense of identity and self-worth. Students will increase their vocabulary and their facility in using idioms, and will use the Native language to analyse literature, discuss various issues that affect the local community, and exchange information electronically.

FSF 4U1: French as a Second Language

Ministry Description

This course draws on a variety of themes to promote extensive development of French language skills. Students will consolidate their oral skills as they discuss literature, culture, and current issues. They will read a variety of texts and will write a formal essay. The use of correct grammar and appropriate language conventions in both spoken and written French will be emphasized throughout the course.

Technological Studies**TGJ4M1: Communications Technology - Yearbook Prerequisite: TGJ30**

Ministry Description

This course enables students to develop knowledge and skills in the areas of photography, digital imaging, animation, 3D modeling, and web design. Students will work both independently and as part of a production team to design and produce media products in a project-driven environment. Practical projects may include photo galleries, digital images, animations, 3D models, and websites. Students will also expand their awareness of environmental and societal issues related to communications technology and explore postsecondary education, training, and career opportunities.

TEJ3E1: Computer Technology Prerequisite: None

Ministry Description

This course introduces students to computer systems, networking, and interfacing, as well as electronics and robotics. Students will assemble, repair, and configure computers with various types of operating systems and application software. Students will build small electronic circuits and write computer programs to control simple peripheral devices or robots. Students will also develop an awareness of related environmental and societal issues, and will learn about secondary and postsecondary pathways and career opportunities in computer technology.

TCJ 4C1: Construction Technology Prerequisite: TCJ 3C

Ministry Description

This course enables students to further develop knowledge and skills related to residential construction and to explore light commercial construction. Students will gain hands on experience using a variety of materials, processes, tools, and equipment and will learn more about building design and project planning. They will continue to create and interpret construction drawings and will extend their knowledge of construction terminology and of relevant building codes and regulations, as well as health and safety standards and practices. Students will also focus on environmental and societal issues related to construction engineering technology, and explore career opportunities in the field.

TCJ4E1: Construction Technology Prerequisite: None

Ministry Description

This course enables students to further develop knowledge and skills related to residential construction and to explore light commercial construction. Students will gain hands on experience using a variety of materials, processes, tools, and equipment and will learn more about building design and project planning. They will continue to create and interpret construction drawings and will extend their knowledge of construction terminology and of relevant building codes and regulations, as well as health and safety standards and practices. Students will also focus on environmental and societal issues related to construction engineering technology, and explore career opportunities in the field.

TTJ 4C1: Transportation Technology Prerequisite: TTJ3O

Ministry Description

This course enables students to further develop technical knowledge and skills as they study, test, service, and repair engine management systems; powertrains; steering/ control, suspension, brake, and body systems on vehicles, aircraft, and/or watercraft; and/or small-engine products. Students will refine communication and teamwork skills through practical tasks, using a variety of tools and equipment. Students will expand their awareness of environmental and societal issues related to transportation and their knowledge of apprenticeship and college programs leading to careers in the transportation industry.

TTJ4E1: Transportation Technology Prerequisite: None

Ministry Description

This course introduces students to the servicing, repair, and maintenance of vehicles through practical applications. The course is appropriate for all students as a general interest course to prepare them for future vehicle operation, care, and maintenance or for entry into an apprenticeship in the motive power trades. Students will develop an awareness of environmental and societal issues related to transportation, and will learn about careers in the transportation industry and the skills and training required for them.

TXJ 4E1: Hairstyling and Aesthetics Prerequisite: TXJ 3E1

Ministry Description

This course enables students to develop increased proficiency in a wide range of hairstyling and aesthetics services. Working in a salon/spa team environment, students strengthen their fundamental cosmetology skills and develop an understanding of common business practices and strategies in the salon/spa industry. Students expand their understanding of environmental and societal issues and their knowledge of postsecondary destinations in the hairstyling and aesthetics industry.

Note: Students must be prepared to work in partners and have physical contact with other students for salon practical.

Arts**ADA 4M1: Drama Will be offered in the 2019/2020 School Year Prerequisite: ADA 3O**

Ministry Description

This course requires students to experiment individually and collaboratively with forms and conventions of both drama and theatre from various cultures and time periods. Students will interpret dramatic literature and other text and media sources while learning about various theories of directing and acting. Students will examine the significance of dramatic arts in various cultures, and will analyse how the knowledge and skills developed in drama are related to their personal skills, social awareness, and goals beyond secondary school.

AVI 4M1: Visual Arts Prerequisite: AVI3M1, AVI3MO

Ministry Description

This course focuses on enabling students to refine their use of the creative process when creating and presenting two- and three-dimensional art works using a variety of traditional and emerging media and technologies. Students will use the critical analysis process to deconstruct art works and explore connections between art and society. The studio program enables students to explore a range of materials, processes, and techniques that can be applied in their own art production. Students will also make connections between various works of art in personal, contemporary, historical, and cultural contexts.

This course focuses on studio activities in one or more of the visual arts. You, the student artist, will create artworks that explore a wide range of subject matter. You will be expected to evaluate art works, providing grounds for your aesthetic judgments. You will also examine historical and cultural contexts of Western art (including Canadian art) and art from various world cultures in order to support your study of specific media.

Much of this course is self-directed in the sense that you will be responsible for determining the subject, form, and content (or any combination thereof) of specific submissions. This is contrary to past courses in the Visual Arts where media and concepts were prescribed as a starting point for the design process.

AVI4M is intended to prepare you for further study of Visual Art at the post-secondary level, be it college or university. As such, this course has an academic focus. There are written assignments, such as a comparison essay, in addition to design and studio challenges.

AVI 4E1: Visual Arts

Ministry Description

This course focuses on a practical approach to a variety of art and design projects related to the workplace. Students will use the creative process to produce a traditional and/or digital portfolio of their work in a variety of media. Students may focus on various aspects of visual arts, including printmaking, painting, graphic arts, drawing, and woodburning.

AMU 4M1: Instrumental Music Prerequisite: AMU3O

Recommended - previous music courses or experience with reading and performing music

Ministry Description

This course enables students to enhance their musical literacy through the creation, appreciation, analysis, and performance of music. Students will perform traditional, commercial, and art music, and will respond with insight to live and recorded performances. Students will enhance their understanding of the function of music in society and the impact of music on themselves and various communities and cultures. Students will analyse how to apply skills developed in music to their life and careers.

AMU 4E1: Instrumental Music Prerequisite: AMU3O

Recommended - previous music courses or experience with reading and performing music

Ministry Description

This course provides students with the fundamental knowledge and skills needed to succeed in the music workplace. Students will, at a level consistent with previous experience, perform appropriate musical works. Independently and collaboratively, students will use current technology and the creative and critical analysis processes to plan, produce, and market music presentations that reflect a broad spectrum of workplace contexts. In addition, students will explore ethical and safe practices related to music.

AMG 4E1: Guitar Prerequisite: AMG3O

Recommended - previous music courses or experience with reading and performing music

Ministry Description

This course emphasizes the appreciation, analysis and performance of music at an advanced level. Students will develop interpretive skills while learning different pieces from various time periods and different styles of music from classical to the music of today. Students will develop their own compositions and produce them through recordings. Performance, recording and producing will be emphasized in this course.

AMG 4M1: Guitar Prerequisite: AMG3O

Recommended - previous music courses or experience with reading and performing music

Ministry Descriptio

This course emphasizes the appreciation, analysis and performance of music at an advanced level. Students will develop interpretive skills while learning different pieces from various time periods and different styles of music from classical to the music of today. Students will develop their own compositions and produce them through recordings. Performance, recording and producing will be emphasized throughout this course.

AMS 4M1 : Strings Prerequisite: AMS3E

Recommended - previous music courses or experience with reading and performing music

Ministry Description

This course enables students to enhance their musical literacy through the creation, appreciation, analysis, and performance of music. Students will perform traditional, commercial, and art music, and will respond with insight to live and recorded performances. Students will enhance their understanding of the function of music in society and the impact of music on themselves and various communities and cultures. Students will analyse how to apply skills developed in music to their life and careers.

AMS 4E1: Strings Prerequisite: None

Recommended - previous music courses or experience with reading and performing music

Ministry Description

This course enables students to enhance their musical literacy through the creation, appreciation, analysis, and performance of music. Students will perform traditional, commercial, and art music, and will respond with insight to live and recorded performances. Students will enhance their understanding of the function of music in society and the impact of music on themselves and various communities and cultures. Students will analyse how to apply skills developed in music to their life and careers.

Mathematics

MEL 4E1: Mathematics for Workplace and EveryDay Life

Ministry Description

Students will investigate questions involving the use of statistics; apply the concept of probability to solve problems in familiar situations; investigate accommodation costs and create household budgets; use proportional reasoning; estimate and measure; and apply geometric concepts to create designs.

MAP 4C1: College/Apprenticeship Mathematics

Ministry Description

Students will analyse data using statistical methods; solve problems involving applications of geometry and trigonometry; simplify expressions; and solve equations. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for college

programs in areas such as business, health sciences, and human services, and for certain skilled trades.

MHF 4U1: Advanced Functions (Semester 1)

Ministry Description

Students will investigate the properties of polynomial, rational, logarithmic, and trigonometric functions; develop techniques for combining functions; broaden their understanding of rates of change; and develop facility in applying these concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended both for students taking the Calculus and Vectors course as a prerequisite for a university program and for those wishing to consolidate their understanding of mathematics before proceeding to any one of a variety of university programs.

MCV 4U1: Calculus and Vectors (Semester 2)

Ministry Description

Students will solve problems involving geometric and algebraic representations of vectors and representations of lines and planes in three-dimensional space; broaden their understanding of rates of change to include the derivatives of polynomial, sinusoidal, exponential, rational, and radical functions; and apply these concepts and skills to the modeling of real-world relationships. This course is intended for students who choose to pursue careers in fields such as science, engineering, economics, and some areas of business, including those students who will be required to take a university-level calculus, linear algebra, or physics course.

MCT4C1: Mathematics for College Technology Not offered in 19/20 will be offered in 20/21

Ministry Description

This course enables students to extend their knowledge of functions. Students will investigate and apply properties of polynomial, exponential, and trigonometric functions; continue to represent functions numerically, graphically, and algebraically; develop facility in simplifying expressions and solving equations; and solve problems that address applications of algebra, trigonometry, vectors, and geometry. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for a variety of college technology programs.

Science

SCH 4U1: Chemistry

Ministry Description

This course enables students to deepen their understanding of chemistry through the study of organic chemistry, the structure and properties of matter, energy changes and rates of reaction, equilibrium in chemical systems, and electrochemistry. Students will further develop their problem-solving and investigation skills as they investigate chemical processes, and will refine their ability to communicate scientific information. Emphasis will be placed on the importance of chemistry in everyday life and on evaluating the impact of chemical technology on the environment.

SBI 4U1: Biology not offered in 19/20 will be offered in 20/21

Ministry Description

This course provides students with the opportunity for in-depth study of the concepts and processes that occur in biological systems. Students will study theory and conduct investigations in the areas of biochemistry, metabolic processes, molecular genetics, homeostasis, and population dynamics. Emphasis will be placed on the achievement of detailed knowledge and the refinement of skills needed for further

study in various branches of the life sciences and related fields.

SPH 4U1: Physics Will not be offered in 20/21 (semester 2)

Ministry Description

This course enables students to deepen their understanding of physics concepts and theories. Students will continue their exploration of energy transformations and the forces that affect motion, and will investigate electrical, gravitational, and magnetic fields and electromagnetic radiation. Students will also explore the wave nature of light, quantum mechanics, and special relativity. They will further develop their scientific investigation skills, learning, for example, how to analyse, qualitatively and quantitatively, data relating to a variety of physics concepts and principles. Students will also consider the impact of technological applications of physics on society and the environment.

SPH 4C1: Physics

Ministry Description

This course develops students' understanding of the basic concepts of physics. Students will explore these concepts with respect to motion; mechanical, electrical, electromagnetic, energy transformation, hydraulic, and pneumatic systems; and the operation of commonly used tools and machines. They will develop their scientific investigation skills as they test laws of physics and solve both assigned problems and those emerging from their investigations. Students will also consider the impact of technological applications of physics on society and the environment.

SCH 4C1: Chemistry

Ministry Description

This course enables students to develop an understanding of chemistry through the study of matter and qualitative analysis, organic chemistry, electrochemistry, chemical calculations, and chemistry as it relates to the quality of the environment. Students will use a variety of laboratory techniques, develop skills in data collection and scientific analysis, and communicate scientific information using appropriate terminology. Emphasis will be placed on the role of chemistry in daily life and the effects of technological applications and processes on society and the environment.

Humanities

CLN 4U1: International Law

Ministry Description

Students will study the historical and philosophical sources of law and the principles and practices of international law. They will learn to relate them to issues in Canadian society and the wider world. Students will use critical-thinking and communication skills to analyse legal issues, conduct independent research, and present the results of their inquiries in a variety of ways. Specific issues covered are international terrorism, gangs, forensics, international policing, and the nature-nurture debate on psychopaths.

HSE 4E1: Social Justice ***This course is not in the Ministry curriculum

Ministry Description

HSE 4M1: Social Justice

Ministry Description

This course enables students to develop an understanding of the theoretical, social, and historical underpinnings of various equity and social justice issues and to analyse strategies for bringing about positive social change. Students will learn about historical and contemporary equity and social justice issues in Canada and globally. They will explore power relations and the impact of a variety of factors on equity and social justice. Students will develop and apply research skills and will design and implement a social action initiative relating to an equity or social justice issue. Topics include: Why the Rich are getting Richer, Gay Rights, The Indian Caste System, South Africa and Apartheid, & Indigenous Treaty Rights.

NDW 4M 1: Contemporary Indigenous Issues

Ministry Description

This course examines global issues from the perspectives of indigenous peoples. Students will explore the depth and diversity of indigenous cultures, traditions, and knowledge. Students will consider how diverse indigenous communities persevere despite current global environmental and economic trends, and will investigate topics such as identity, social justice, human rights and abuses, spirituality, resistance, and advocacy for change.

CHY 4U1: World History Since the 15th Century

Ministry Description

This course traces major developments and events in world history since approximately 1450. Students will explore social, economic, and political changes, the historical roots of contemporary issues, and the role of conflict and cooperation in global interrelationships. They will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, as they investigate key issues and ideas and assess societal progress or decline in world history. Prerequisite: Any university or university/college preparation course in Canadian and world studies, English, or social sciences and humanities. Specific Analysis on the Renaissance, The Slave Trade, The French Revolution, Rise of Napoleon, The Industrial Revolution.

HFA 4C1: Nutrition and Health

Ministry Description

This course examines the relationships between food, energy balance, and nutritional status; the nutritional needs of individuals at different stages of life; and the role of nutrition in health and disease. Students will evaluate nutrition-related trends and will determine how food choices can promote food security and environmental responsibility. Students will learn about healthy eating, expand their repertoire of food-preparation techniques, and develop their social science research skills by investigating issues related to nutrition and health.

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COOP and Guidance

COOP01: Co-operative Education

Note: Choose COOP01 for 1 semester only. Additionally, choose COOP2 for co-op in 2 semesters.

Ministry Description

Cooperative Education gives students the opportunity to experience the workplace. It is beneficial to those students who have specific pathways in mind but also provides guidance for those students who have not yet chosen a destination. COOP is typically two periods in a day. The COOP teacher can provide additional information about the many offerings available.

Ontario Youth Apprenticeship Program (OYAP), Workplace

The Ontario Youth Apprenticeship Program (OYAP) is an opportunity for students to begin working on an apprenticeship in a skilled trade while still in high school and receive high school credits at the same time. OYAP students can begin to earn valuable hours towards apprenticeship training, recognized by the Ontario Ministry of Training, Colleges and Universities. The Ontario Youth Apprenticeship Program is offered through the Cooperative Education program. Students in a cooperative education placement can begin to work on the skills necessary to complete an apprenticeship. This can begin as early as grade 11 and can continue into grade 12. At the same time, students continue to work on compulsory and elective subjects necessary to complete grade 12. Students typically do not receive a wage while in high school, however, they leave with their OSSD and a career already underway! Students then continue with their apprenticeship heading toward certification. **Prerequisite:** Current placement in Cooperative Education

Specialized Cooperative Education Earn & Learn Program

The Specialized Cooperative Education Program provides participants with an opportunity to earn credits toward Ontario Secondary School Diplomas, while continuing to work. Participants work to complete course assignments and use their job as a coop placement.

Prerequisite: Admission into the Specialized Cooperative Education Program is only available to students who meet specific criteria and receive permission and approval from an in-school student support committee.

GLN 401: Navigating the workplace Prerequisite: None

Note: This course is designed for students to increase their employability skills prior to participating in cooperative education or leaving for the world of work.

Ministry Description

This course provides students with opportunities to develop the workplace skills and work habits required for success in all types of workplaces. Students will explore occupations and careers of interest through participation in real workplace experiences. They will make plans for continued learning and work, work with others to design learning experiences, and investigate the resources and support required to make a smooth transition to their postsecondary destination.

STUDENT ACCIDENT INSURANCE

Student Accident Insurance is made available to all Keewatin Patricia District Board Students in September. This insurance is optional and is paid for by students and parents. All students are strongly encouraged to purchase a policy.

Physical and Health Education**PAL 401: Hockey Academy**

The goal of the Hockey Academy is to fully develop each player's individual skills, game tactics and athletic potential. These individual skills will be incorporated into a team concept focusing on team building skills, tactics and strategies. Each player will have an individual fitness program prepared by a certified fitness trainer, which will be assessed and modified throughout the school year. There will be a fee for this course.

PAI 401: Wellness

In this course we will be exploring finding healthy activities to compliment your daily life. Students will improve wellness by building coping strategies to tackle life's obstacles. Students will set individual goals based on their needs to work towards completing by the end of the semester. Ministry Description

PPL 401 : Healthy Active Living

Ministry Description

Students will develop and implement personal physical fitness plans. In addition, they will be given opportunities to refine their decision-making, conflict-resolution, and interpersonal skills, with a view to enhancing their mental health and their relationships with others.

PAD 401: Outdoor Education

Ministry Description

This course focuses on participation in a variety of outdoor activities that have the potential to engage students' interest throughout their lives and skill development in survival and other outdoor activities. The goal is to develop self confidence through hands-on experiences which will allow students to observe and understand the relationships and human influences in the natural world. An emphasis will be placed on experiential learning opportunities in an outdoor setting.

PAL 401 : Soccer, Volleyball, Basketball Focus Course **NEW OFFERING**

Ministry Description (none)

IDP40/NBV3E/C - Aboriginal Identities Grade 12 ** NEW OFFERING**

Prerequisites: Same as for NBV 3E/C

**** students will have the option to choose the NBV 3E or 3C * this is a 2 credit course package**

This two credit course will allow students to examine different First Nations harvesting techniques and other technologies from across Canada and places a focus on how these relate to the beliefs, values, and aspirations of Aboriginal peoples in Canada. Students will examine world views of Aboriginal peoples and the political, economic, cultural, and social challenges facing individuals and communities. Students will also learn how traditional and contemporary beliefs and values influence the aspirations and actions of Aboriginal peoples.

Students will examine traditional First Nations harvesting and history and will embark on a variety of individual and collaborative projects that examine the importance of traditional harvesting skills and knowledge to First Nations culture. Through the expectations from NBV 3E/3C the students will also gain a deeper understanding of the role of traditional practices in re-establishing and maintaining their cultural connection to the land and the challenges faced by First Nations people in a modern society.

The class will also examine a variety of other First Nation technologies in which they will research, create, evaluate, and communicate the interrelationships between the natural environments of different regions across Canada in relation to their projects. A focus on community, culture, language, and an understanding of ecological values from an Aboriginal perspective will develop a sense of cultural identity and pride in oneself.

This course combines the expectations for Interdisciplinary Studies, Grade 12, Open (IDC 4O) with those from Aboriginal Beliefs, Values, and Aspirations (NBV 3E/3C) as well as selected expectations from other courses (Managing Personal and Family Resources HIR3C, Managing Personal Resources HIP3E, Native Language Level 4 NL4, Environment and Resources Management CGR4M, Career Studies GLC2O, Health and Physical Education PPL3O, Food and Nutrition HFN 2O).

Business Studies

AYEP01 - BDV 4C1

Ministry Description

This course provides students with the opportunity to develop and apply entrepreneurial skills through the creation of a venture plan that capitalizes on the potential of e-commerce. Students will research and identify an opportunity for a venture. They will then complete the components of a venture plan that includes a website.

BOH 4M1 - Business Leadership This fulfills a SHSM requirement

Ministry Description

This course focuses on the development of leadership skills used in managing a successful business. Students will analyse the role of a leader in business, with a focus on decision making, management of group dynamics, workplace stress and conflict, motivation of employees, and planning. Effective business communication skills, ethics, and social responsibility are also emphasized.

BBB4M1: International Business Fundamentals Prerequisite: None

Ministry Description

This course provides an overview of the importance of international business and trade in the global economy and explores the factors that influence success in international markets. Students will learn about the techniques and strategies associated with marketing, distribution, and managing international business effectively. This course prepares students for postsecondary programs in business, including international business, marketing, and management.

BBB4E1 - Business Essentials

Ministry Description

This course provides an introduction to international business. Students will explore the economic relationships that Canada has developed with other nations, and the impact of these relationships on productivity, prices, and variety of goods. This course also introduces students to a variety of career opportunities in international business.

Connect Ed Courses:

2019/20	
Sem 1	Sem 2
MDM4UT	MCV4UT
HZT4UT	HHG4MT
CLN4UT	SNC4MT
BBB4MT	ICS3/4/C/UT

LIFE SKILLS PROGRAMMING

Life Skills Programming - This planning should be completed with your SERT, Guidance, and parents.

Pathway Planning

Your compulsory courses are filled in for you. You can take up to 8 courses a year. If you take Civ/Car in the summer you will have that block open for another elective. Pay attention to the information in the course calendar, paying attention to courses that are only offered in alternating years so that you can choose wisely!

Grade 10	Grade 11	Grade 12
Civics & Careers	English	English
History	Math	
English		
Math		
Science		