



***Beaver Brae
Secondary
School***

**2018 – 2019
Course Information
Calendar**

1400 Ninth Street North
Kenora, Ontario
P9N 2T7
(807) 468-6401 (phone)

<http://beaverbrae.kpdsb.on.ca>

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Principal's Message

On behalf of the Beaver Brae teaching staff and administrative team, I am pleased to present the course calendar for the upcoming school year. We have gone through a process of attempting to present clear information, specifically focused on the academic side of school. Please review our student handbook for information on the many other opportunities to be enjoyed as a student of Beaver Brae. Our handbook and calendar is available on the school website. (<http://beaverbrae.kpdsb.on.ca>)

As students are selecting courses, they are required to have a quick interview with a guidance counsellor to discuss options, choices and career pathways. If as a parent, you have any questions, please do not hesitate to contact the school. All contact information for school staff can be located on the school website. Our students will once again be utilizing "My Blueprint" (www.myblueprint.ca) for their selection upload and we hope to have all course selections complete by March 23rd, 2018.

I am asking that parents support the school in understanding that students in grade nine to eleven must select a full timetable (that is 8 courses), thereby limiting the number of 'spare' classes to their grade twelve year and beyond. It is our belief (and is substantiated with evidence) that this strategy is the best approach to ensure that students are graduating on time with their peers and are preserving the luxury of 'open time' to the year when their performance is most critical.

Parents should also be aware that it is important for students to select the appropriate level at which to study. It is very important that students in grade nine establish a pattern of achievement that sees them get ALL of their credits each semester. This establishes a good base from which to start high school; overall success generally follows early successes.

It is our belief that every child can have a successful outcome through a focus on academics, guidance and support. We are here to provide that opportunity and with parental support every child can become a Beaver Brae graduate. Please be our partners in supporting our students through this journey.

Sincerely,

Tracey Benoit, Principal

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Administration 2018-2019

Senior Administration

Mr. Sean Monteith	<i>Director of Education</i>
Ms. Tania Sterling	<i>Superintendent of Education</i>
Ms. Caryl Hron	<i>Superintendent of Education</i>
Mrs. Joan Kantola	<i>Superintendent of Education</i>

Beaver Brae Administration

Ms. Tracey Benoit	<i>Principal</i>
Mrs. Lisa Achilles	<i>Vice-Principal</i>
Mr. Dave Tresoor	<i>Vice-Principal</i>

Honours Society

Criteria for Honours:

Grade 9:	An average of 80% or more in 8 credits
Grade 10:	An average of 80% or more in 8 credits
Grade 11:	An average of 80% or more in 7 credits
Grade 12:	An average of 80% or more in 6 credits



For music programs completed by students outside the school, credits will be awarded based on the date of the official transcript from the Royal Conservatory of Music. For Royal Conservatory credits to be considered for Honour Standing, transcripts must be submitted to Student Services by September 30th of the following school year.

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Beaver Brae Secondary School Website

<http://beaverbrae.kpdsb.on.ca>

(This website is always evolving and may appear slightly different than shown here.)

Please visit our website for the most up-to-date information about events at Beaver Brae. You may also follow us on Facebook and Twitter.

ABOUT BEAVER BRAE

Beaver Brae SS
— Home of the Broncos —

Beaver Brae
Public School

HELP STOP BULLYING
File a report now.

1400 Ninth St. N., Kenora, ON P9N 2T7
Phone: (807) 468-6401 Fax: (807) 468-3628
Tracey Benoit, Principal
Lisa Achilles-Belanger, Vice-Principal
Dave Tresoor, Vice-Principal

Information Student Services Four Directions Social Media Intermediate School Secondary School Student Activities Calendars School Store

PUBLIC NOTICE It's time to register for Kindergarten! Visit www.buddysystem.ca for all things Kindergarten! Meet our amazing Kindergarten staff, find out about Kindergarten Open Houses in your area, register your child for the fall online, and so much more! February 26 to March 2, 2018 is Kindergarten Registration Week!

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Connect Ed Learning

ConnectEd courses are available for students who require courses that are not offered in our timetable or for students who require flexibility in their timetable.

In order to be successful in a ConnectEd course, students must be able to work independently and have strong computer skills. Students must be self-motivated and be able to manage their time effectively. Visit Student Services if you are interested in a ConnectEd course.

Cooperative Education

Making choices about the future can be a difficult experience. In addition, the career students decide to pursue may turn out to be very different than what was expected. Cooperative Education gives students the chance to make connections between school and work as they “try out” a career of interest before finalizing plans for postsecondary education, training or employment. Students gain valuable work experience to help build their resume while developing the essential skills and work habits required in the workplace.

Co-op placements are available in many kinds of work settings, reflecting a wide range of student interest and abilities. Access to a Co-op program requires completion of an application and an interview to assess student readiness and placement availability. The course consists of a classroom component and a placement component. Pre-placement instruction prepares students for the workplace. Students will complete valuable, industry recognized certifications and training in areas of key importance such as health and safety. Classroom sessions are held at various times during and after the placement to provide opportunities for students to reflect on and reinforce their learning in the workplace.

Ontario Youth Apprenticeship Program (OYAP)

Participation in the Ontario Youth Apprenticeship Program (OYAP) is designed to allow students to jump-start their career and earn high school credits at the same time as apprenticeship training.

OYAP is essentially an enhanced Co-op experience that allows a student to earn apprenticeship hours while taking an extended Co-op program for high school credits. In addition, students can accumulate a significant portion of their apprenticeship hours before they leave high school.

Please contact Tracey Bichon (tracey.bichon@kpdsb.on.ca) in the Co-op Department for more information about OYAP.

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Dual Credit Programs

Dual credit programs allow students, while still in secondary school, to take college or apprenticeship courses that count towards the Ontario Secondary School Diploma (OSSD) as well as a post-secondary certificate, diploma, or degree, or an apprenticeship certification. Participating in dual credit programs enables students to have an experience that will help them make a successful transition to college or an apprenticeship program.

Dual credit programs are delivered in a variety of formats including team taught and college delivered. Speak to a guidance counsellor, dual credit lead teacher or Co-op teacher to learn more about the variety of new dual credit options outlined below and customize your own learning experience.

Dual credit options which take place during semester 2 include:

- Welding – 1 college credit (1 period)
- Building Skills for Success – 1 college credit (1 period)
- Transportation - 1 transportation technology credit and 1 college credit (½ day program)
- Tourism – 2 college credits and 2 Co-op credits (all day program)
- Construction – 2 college credits and 2 Co-op credits (all day program)

Specialist High Skills Major (SHSM) Programs

The Specialist High Skills Major (SHSM) is a specialized program that combines a bundle of 8-10 required credits with different experiences that relate to the Transportation, Construction, Health and Wellness or Business Sectors. By including the SHSM as a part of the high school pathway, students will meet the requirements for their OSSD along with specialized programming that will provide a smooth transition to apprenticeship, college, university, or work.

Students who complete the SHSM will receive a red embossed seal on their diploma when they graduate. Regardless of the destination (workplace, university, apprenticeship, or college), every SHSM student must complete the following five components to receive a SHSM designation on their diploma:

1. Four major credits, grade 11 & 12 English, a math, a science, and a Co-op.
2. Compulsory and other Certifications include First Aid/CPR, WHMIS, Health and Safety, Working at Heights, Respect in Sport and many others.
3. Experiential Learning Opportunities – job shadowing, job twinning, and work experience.
4. Use of the Ontario Skills passport to document demonstration of essential skills and work habits. <http://skills.edu.gov.on.ca/OSPWeb/jsp/en/login.jsp>
5. Reach Ahead Opportunities – a day of attendance at a college, university, or workplace.

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Aboriginal Youth Entrepreneurship Program (AYEP)

This two-credit program focuses on ways in which entrepreneurs recognize opportunities, generate ideas, and organize resources to plan successful ventures that enable them to achieve their goals. Students create business plans for their own ventures. Through hands-on experiences, they will have opportunities to develop the values, characteristics, and skills often associated with successful entrepreneurs.

The goal of the AYEPP is to help Aboriginal youth develop the attitudes and skills necessary to achieve success in secondary school, in the workplace, in post-secondary education or training, and in daily life. The program invites students to develop entrepreneurial opportunities that can lead to business ownership. Students gain an introduction to business that will help them prepare for the working world regardless of their choice of career. The program is also designed to improve proficiency in business mathematics, English, accounting, marketing, and information and communications technology, while supporting the acquisition of leadership skills.

Extended French Programming

Students continuing with Extended French from their elementary programs, or who are transferring in from a French Immersion program have a specific pathway to complete in high school. Students will take the following courses as a part of their Extended French pathway.

Grade 9:

French (FEF1D), Geography (CGC1DF), Physical Education 7 Health (PPL1OF)

Grade 10:

French (FEF2D), History (CHC2DF)

Grade 11:

French (FEF3U)

**This is the year we recommend travel/exchange programs*

Grade 12:

French (FEF4U)

**Optional DELF Proficiency Test*

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In their grade 12 year, students in the Extended French program will be given the option to complete the DELF (Diplôme d'études en langue française) French Proficiency test. In discussion with their French teacher, students will challenge an appropriate proficiency test level, using the CEFR criteria (A1, A2, B1, B2). The DELF is an internationally recognized examination issued by the French Ministry of National Education, and the diplomas are recognized world-wide as lifelong proof of the student's French language skills. The DELF consists of two parts; the first is an oral examination, while the second tests students' abilities in listening, reading and writing in French. Successful students will be given a diploma with their proficiency certification from the DELF Centre in France, which can be used for specialized programming at post-secondary schools, as well as with potential employers.

Alternative Education Learning Programs

****Enrolment in these programs is through consultation with guidance and administration.***

Parents at Secondary School (PASS) Program

The PASS program is designated for students between the ages of 16 and 21 who have childcare responsibilities. Students work for credits independently (with the assistance of a classroom teacher). PASS is an off-site location that is equipped so that students may bring their children to school with them.

Connections (CLC)

The Connections Program provides students with an opportunity to complete their education and earn credits in an independent school environment that is sensitive to their academic and social needs. This is an off-site location that provides a minimum of two teachers to assist students with their courses.

Urban Aboriginal Education Program (UAEP)

This program is run in partnership with the NeChee Friendship Centre. The UAEP program is designed for Indigenous students between the ages of 16 and 21. Students work for credits independently (with the assistance of a classroom teacher). It is located off site and allows for students to partake in traditional rituals, customs, and workshops.

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Graduation Requirements for an Ontario Secondary School Diploma (OSSD):

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:		
1	<ul style="list-style-type: none"> English or French as a second language** a Native language a classical or international language social sciences and the humanities Canadian and world studies guidance and career education cooperative education*** 	
	Group 2:	
	<ul style="list-style-type: none"> health and physical education the arts business studies French as a second language** cooperative education*** 	
	1	Group 3:
		<ul style="list-style-type: none"> science (Grade 11 or 12) 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.



support every child
reach every student.



Graduation Requirements for an Ontario Secondary School Certificate (OSSC):

The Ontario Secondary School Certificate will be granted on request to students who leave school before earning the Ontario Secondary School Diploma, provided that they have earned a minimum of 14 credits distributed as follows:

Compulsory credits (total of 7)

- 2 credits in English
- 1 credit in Canadian geography or Canadian history
- 1 credit in mathematics
- 1 credit in science
- 1 credit in health and physical education
- 1 credit in the arts or technological education

Optional credits (total of 7)

Graduation Requirements for a Certificate of Accomplishment (COA):

Students who leave school before fulfilling the requirements for the Ontario Secondary School Diploma (OSSD) or the Ontario Secondary School Certificate (OSSC), may be granted a Certificate of Accomplishment (COA).

The Certificate of Accomplishment may be a useful means of recognizing the achievement of those students who plan to take certain vocational programs (or other kinds of training), or who plan to find employment after leaving school.

The Certificate of Accomplishment will be accompanied by the student's Ontario Student Transcript. For those students who have an IEP, a copy of the IEP may be included.

Students who return to school to complete additional credit and non-credit courses (including courses with modified or alternative expectations in special education programs) will have their transcript updated accordingly, but will not be issued a new Certificate of Accomplishment. The Ontario Secondary School Diploma or Ontario Secondary School Certificate will be granted when a student has fulfilled the appropriate requirements

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GRADE 9-12 COURSE OPTIONS & DESCRIPTIONS

(IN ALPHABETICAL ORDER BY DEPARTMENT)

ART

Drama, Guitar, Indigenous Art, Instrumental Music, Visual Art, Vocal Music

ADA10 – Dramatic Arts, Grade 9, Open

This course provides opportunities for students to explore dramatic forms and techniques, using material from a wide range of sources and cultures. Students will use the elements of drama to examine situations and issues that are relevant to their lives. Students will create, perform, discuss, and analyse drama, and then reflect on the experiences to develop an understanding of themselves, the art form, and the world around them.

Prerequisite: None

AMU10 – Instrumental Music, Grade 9, Open

This course offers students a chance to learn to play, or further their studies on any of the concert band instruments. This includes understanding how their instrument works, and how to use good technique and practice habits to achieve their best results. Students will strengthen their skills through solo work and daily practice, and experience the teamwork of ensemble playing. Students will learn basic music theory, music elements, and history, as it ties in with the music they are playing.

Prerequisite: None

AMV10 – Vocal/Choral Music, Grade 9, Open

This course introduces students to singing while having opportunities for large group, small group and solo singing. It emphasizes singing at a level that strikes a balance between challenge and skill, and is aimed at developing technique, imagination, and confidence. Students will learn a wide variety of music, teaching them to listen with understanding. They will also learn music theory at a level that supports their singing.

Prerequisite: None

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AVI10 – Visual Arts, Grade 9, Open

This course is exploratory in nature, offering an overview of visual arts as a foundation for further study. Students will become familiar with the elements and principles of design and the expressive qualities of various materials by using a range of media, processes, techniques, and styles. Students will use the creative and critical analysis processes and will interpret art within a personal, contemporary, and historical context.

Prerequisite: None

AWT10 – Indigenous Art Focus, Grade 9, Open

The majority of this course content is delivered with a strong emphasis on Indigenous cultures and heritage from a Canadian geographic perspective. Many aspects of Indigenous visual art are explored through the creation, theory and analysis of historical and contemporary artwork. Students will also strengthen their foundational skills surrounding the principles and elements of design through their own art production. This course is open to all students.

This course offers an overview of visual arts as a foundation for further study. Students will become familiar with the elements and principles of design and the expressive qualities of various materials by working with a range of materials, processes, techniques, and styles. They will learn and use methods of analysis and criticism and will study the characteristics of particular historical art periods and a selection of Canadian art and the art of other cultures.

Prerequisite: None

ADA20 – Dramatic Arts, Grade 10, Open

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.

Prerequisite: None

AMU20 – Instrumental Music, Grade 10, Open

This course offers students a chance to further their studies on any of the concert band instruments. This includes reinforcing the use of good technique and practice habits to achieve their best results. Students will develop their skills through solo work and daily practice, and experience the teamwork of ensemble playing. Students will dig deeper into music theory, music elements, and music history, as it ties in with the music they are playing.

Prerequisite: AMU10

AMV20 – Vocal/Choral Music, Grade 10, Open

This course introduces student to singing while having opportunities for large group, small group and solo singing. Students will learn music at an intermediate level that strikes a balance between challenge and skill, while developing technique, imagination, and confidence. They will sing a variety of music including traditional, pop, and jazz. They will also learn music theory at a level that supports their singing.

Prerequisite: None

AVI20 – Visual Arts, Grade 10, Open

This course challenges students to develop their artistic skills by introducing them to new ideas, a variety of materials, and methods for artistic exploration and experimentation. Students will work on their ability to apply the elements and principles of design while exploring the insightful stages of the creative process. They will become stronger in their ability to use critical analysis skills to reflect on and interpret art of their own personal creation, contemporary styles, and historical contexts.

Prerequisite: None

AWT20 – Indigenous Art Focus, Grade 10, Open

The majority of this course content is delivered with a strong emphasis on Indigenous culture and heritages through a local lens and global perspective. Students will explore the many aspects of Indigenous visual arts such as its means of creation, relationships and cultural connections, geographic presence and symbolic meaning. They will be challenged to learn through practice and build on pre-existing knowledge. Artistic ideas and materials will be introduced to aid in the learning of artistic thinking and experimentation. Students will work to refine their application of the elements and principles of design, incorporating the creative design process, and the relationship between form and content.

Prerequisite: None

AMG20 – Guitar, Grade 10, Open

Students will learn a variety of guitar techniques while performing folk, classical and pop songs on the acoustic guitar. Learning how to read music and chord charts is an important component of this course. Students will learn about the development of the guitar by listening to classical, folk, blues, jazz, and rock music. Student learning will take place through ensemble and solo playing. They will also learn basic music theory that supports their playing.

Prerequisite: None

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ADA30 – Dramatic Arts, Grade 11, Open

This course requires students to engage in dramatic processes and the presentation of dramatic works, and emphasizes the application of drama skills in other contexts and opportunities. Students will interpret and present works in a variety of dramatic forms, create and script original works, and critically analyse the processes involved in producing drama works. Students will develop a variety of skills related to collaboration and the presentation of drama works.

Prerequisite: None

ADA3M – Dramatic Arts, Grade 11, College/University

This course requires students to create and to perform 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.

Prerequisite: ADA10 or ADA20

ADS3M: Shakespeare Page to Stage

This course will analyze and put into performance Shakespearean plays. Students will learn deeper character and plot analysis, how to bring the page to the stage (including design and production aspects), and how to effectively understand and convey the meaning beneath Shakespeare's written word. They will look at the history, scope, and influence Shakespeare has had ranging from the Elizabethan era to modern day media. This course will utilize performance and rehearsal process, guided conversations, and critical analysis.

Prerequisite: ENG2D, ENG2P or any Drama (ADA) credit

AMU3M – Instrumental Music, Grade 11, College/University

This course offers students a chance to further their studies on their concert band instrument. This includes reinforcing the use of good technique and practice habits to achieve their best results. Students will develop their skills through solo work, daily practice, and observing and studying the technique of professional players, and experience the teamwork of ensemble playing. Students will learn advanced music theory, and music history, as it ties in with the music they are playing. These students become mentors to the novice players.

Prerequisite: AMU20

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AMV30 – Vocal/Choral Music, Grade 11, Open

This course allows students to continue to build and work on singing technique while having opportunities for large group, small group and solo singing. Students will continue to develop vocal technique, applying singing skills to more advanced music, while continuing to develop musical intuition and confidence. They will sing a variety of music including traditional, pop, and show tunes. They will also learn music theory at an advancing level that supports their singing.

Prerequisite: AMV10 or AMV20

AVI30 – Visual Arts, Grade 11, Open

This course focuses on studio activities in one or more of the visual arts, including drawing, painting, sculpture, photography, printmaking, collage and/or multimedia art. Students will use the creative process to create art works that reflect a 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.

Prerequisite: None

AVI3M – Visual Arts, Grade 11, College/University

This course will further develop students' knowledge and skills in visual arts by using the creative process to explore a wide range of themes through studio work that may include drawing, painting, sculpting, and printmaking, as well as the creation of collage, multimedia works, and works using emergent technologies. Students will evaluate and revise their own work and the work of others with the practice of the critical analysis process. The course may be delivered as a comprehensive program or through a program focused on a particular art form (e.g. photography, video, computer graphics, and information design).

Prerequisite: AVI10 or AVI20

AMG30 – Guitar, Grade 11, Open

This course is designed for students to continue to improve, and expand their knowledge of the guitar technique, and expand their chord vocabulary. Students will learn folk, blues, classical and pop songs, and play independently and in groups. They will begin to understand how, and become confident enough to improvise. They will make use of current technology to record and save their work. More advanced theory will link directly to their practical playing.

Prerequisite: AMG20

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ADA4M – Dramatic Arts, Grade 12, College/University

This course requires students to experiment 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.

Prerequisite: ADA3M

AMG4M – Guitar Music, Grade 12, College/University

This course is designed for students to play guitar at an advanced level. Students will learn folk, blues, classical and pop songs, in both fingerstyle and rhythm (chords), and play independently and in ensembles. They will understand how, and be confident enough to improvise. They will make use of current technology to record and save their work. Advanced theory will link directly to their practical playing.

Prerequisite: AMG30

AMU4M – Instrumental Music, Grade 12, College/University

Students will further their studies on their concert band instrument, perform traditional, and commercial music, and will respond with insight to live and recorded performances. They will develop their skills through solo work, daily practice, and observing and studying the technique of professional players, and experience the teamwork of ensemble playing. Students will learn advanced music theory, and music history, as it ties in with the music they are playing. They will act as mentors to the beginning instrumentalists.

Prerequisite: AMU3M

AMV4M – Vocal/Choral Music, Grade 12, College/University

This course allows students to continue to build and work on solo singing skills while having opportunities for large group and small group singing. Students will develop advanced vocal technique, applying singing skills to more advanced music such as classical and art songs. They will have the opportunity to sharpen their ear training by singing in 2, 3, and 4 part harmony. They will also learn music theory at an advancing level that supports their singing.

Prerequisite: AMV3M

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AVI4E – Visual Arts, Grade 12, Workplace

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 advertising, ceramics, fashion design, graphic arts, jewelry design, and/or web design.

Prerequisite: AVI30

AVI4M – Visual Arts, Grade 12, College/University

This course will focus and refine students' ability to use the creative process while creating and presenting two-and three-dimensional works of art. Students will build a portfolio by working through a variety of traditional and emerging media and technologies. Opportunity will be provided to practice the process of critical analysis while deconstructing art works and exploring a range of materials and techniques that can be applied during personal art production. Students will make connections between various works of art in personal, contemporary, historical, and cultural contexts.

Prerequisite: AVI3M

Fine Arts Certificate:

If students complete 6 credits in the fine arts (visual art, drama or music), they may apply to receive a fine arts certificate. This certificate honours commitment to the arts and achievement of success in this area. As well, it becomes part of the student portfolio and valuable documentation when applying to schools or for employment. The courses may also include participation in band, musical productions, or other extra-curricular activities. An art related co-op can also be considered. Students should listen to announcements in May of their graduating year for additional information on when and how to apply.



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BUSINESS

Entrepreneurship, AYES Program

BDI3C – Introduction to Entrepreneurship, Grade 11, College

This course focuses on ways in which entrepreneurs recognize opportunities, generate ideas, and organize resources to plan successful ventures that enable them to achieve their goals. Students will create a venture plan for a school-based or student-run business. Through hands-on experiences, students will have opportunities to develop the values, traits, and skills most often associated with successful entrepreneurs.

Prerequisite: None

AYEP – Aboriginal Youth Entrepreneurship Program, Grade 11/12

The two-credit program focuses on ways in which entrepreneurs recognize opportunities, generate ideas, and organize resources to plan successful ventures that enable students to achieve their goals. The program invites Indigenous students to develop entrepreneurial opportunities that can lead to business ownership. The program consists of two courses, BDI3C and BDV4E, which are ideally taken in the same school year.

BDI3CE – AYES Entrepreneurship, Grade 11, College

This course focuses on ways in which entrepreneurs recognize opportunities, generate ideas, and organize resources to plan successful ventures that enable them to achieve their goals. Students will create a business plan for their own venture. Through hands-on experiences, students will have opportunities to develop the values, traits, and skills most often associated with successful entrepreneurs. They will learn firsthand about business management from business owners and managers in the community through mentorship, field trips and guest speakers. The goal is to help youth (particularly Aboriginal youth) develop the attitudes and skills necessary to develop success in secondary school, in the workplace, during post-secondary education or training and in daily life. The program invites students to develop entrepreneurial opportunities that can lead to business ownership.

Prerequisite: None

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BDV4CE – AYEP Entrepreneurship, Grade 12, College

This course is an extension of the grade 11 BDI3C AYEP course. Students review the steps of a business plan. They will use e-commerce to promote, sell and interact with customers. Field trips are still a part of this program continuing to focus on ways in which entrepreneurs recognize opportunities to plan successful ventures that enable them to achieve their goals. There is start-up funding available for students who wish to open a small business at the end of this program.

Prerequisite: None

CANADIAN AND WORLD STUDIES

Civics, Canadian History, World History, Geography, Travel and Tourism, Canadian Law, Forces of Nature, Environment and Resource Management, World Issues

CGC1P – Issues in Canadian Geography, Grade 9, Applied

This course focuses on current geographic issues that affect Canadians. Students will draw on their personal and everyday experiences as they explore issues relating to food and water supplies, competing land uses, interactions with the natural environment, and other topics relevant to sustainable living in Canada. They will also develop an awareness that issues that affect their lives in Canada are interconnected with issues in other parts of the world. Throughout the course, students will use the concepts of geographic thinking, the geographic inquiry process, and spatial technologies to guide and support their investigations.

Prerequisite: None

CGC1D – Issues in Canadian Geography, Grade 9, Academic

This course will help students build a foundation of geographic knowledge about Canada by examining the interrelationships within and between Canada's natural and human systems and how these systems interconnect with those in other parts of the world. Students will explore environmental, economic, and social geographic issues relating to topics of student interest, beginning in the Lake of the Woods region before moving elsewhere. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate various geographic issues and to develop possible approaches for making Canada a more sustainable place in which to live.

Prerequisite: None

Also run as CGC1DF – Extended French Geography

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CHC2P – Canadian History since WW1, Grade 10, Applied

This course focuses on the social context of historical developments and events and how they have affected the lives of people in Canada since 1914 (World War I, the twenties/ thirties, World War II, the baby boom era, and recent Canada). Students will explore interactions between various communities in Canada as well as the contributions of individuals and groups to Canadian heritage and identity. Students will be able to explore topics of interest and develop their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating the continuing relevance of historical developments and how they have helped shape communities in present-day Canada.

Prerequisite: None

CHC2D – Canadian History since WW1, Grade 10, Academic

Students will have the opportunity to explore Canada since 1914 and move chronologically through the eras. Students will examine the role of conflict and cooperation in Canadian society, Canada's evolving role within the global community, and the impact of various individuals, organizations, and events on Canadian identity, citizenship, and heritage. Students will practice demonstrating their learning as they develop their ability to apply the concepts of historical thinking and the historical inquiry process. Several assessment strategies will be used throughout their investigations to help guide their investigations.

*Prerequisite: None *Also run as CHC2DF – Extended French*

CHC2L – Canadian History since WW1, Grade 10, Locally Developed

This course provides an opportunity for teachers to assess the particular interests of a group of students with regard to an overview of Canadian History. Students may show special interest in topics such as Canadian music and art, the wartime experiences of Canadians, contributions of Canadian innovators, or any number of other topics of interest.

Prerequisite: None

CHV2O – Civics and Citizenship, Grade 10, Open

This course explores citizenship, with a focus on the rights and responsibilities in a democracy. Students will explore issues of civic importance, and understand how to get involved in political processes locally as well as nationally. Students will develop their thinking and communication skills, so they can express informed opinions about political issues that are both significant and of personal interest to them. 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.

Prerequisite: None • •

CGF3M – Forces of Nature: Physical Processes and Disasters, Grade 11, College/University

This course will allow students to explore physical processes related to earth's water, land and air and allow them to investigate how these processes shape the planet's natural characteristics and affect human systems. Throughout the course, students will apply the concepts of geographic thinking and the geographic inquiry process and use spatial technologies to analyse these processes, make predictions related to natural disasters, and assess ways of responding to them.

Prerequisite: CGC1P or CGC1D

CGG3O – Travel and Tourism: A Geographic Perspective, Grade 11, Open

This course focuses on issues related to travel and tourism at home and abroad. Investigating unique environments, sociocultural, economic, and political characteristics of selected world regions will deepen student knowledge and understanding. Students will start by exploring Kenora as a tourism destination then branch out to explore Ontario and the rest of Canada before travelling internationally. Student inquiry will expose types of travel, types of tourism, and all activities related to each. Students will also create itineraries for various travel destinations that include different types of transportation, accommodation, and activities. Lastly, the advantages and disadvantages of tourism on culture, the environment, and local populations will also be explored.

Prerequisite: CGC1P or CGC1D

CLU3M – Understanding Canadian Law, Grade 11, College/University

This course explores Canadian law, with a focus on legal issues that are relevant to the lives of people in Canada. Students will gain an understanding of laws relating to rights and freedoms in Canada, the legal system, and family, contract, employment, tort, and criminal law. Students will develop legal reasoning skills and will apply the concepts of legal thinking and the legal studies inquiry process when investigating a range of legal issues and formulating and communicating informed opinions about them.

Prerequisite: CHC2P or CHC2D

CLN4U – Canadian and International Law, Grade 12, University

This course explores a range of contemporary legal issues and how they are addressed in both Canadian and international law. Students will develop an understanding of the principles of Canadian and international law and of issues related to human rights and freedoms, conflict resolution, and criminal, environmental, and workplace law, both in Canada and internationally. Students will apply the concepts of legal thinking and the legal inquiry process, and will develop legal reasoning skills, when investigating these and other issues in both Canadian and international contexts.

Prerequisite: Any university or university/college preparation course in Canadian and World Studies, English, or social sciences and the humanities.

CGR4M – The Environment and Resource Management, Grade 12, College/University

Given the current demands that society puts on the environment, this timely course will allow students to investigate interactions between natural and human systems by paying closer attention to their own choices, actions, and habits as a local and global citizen. Students will also explore the impacts of human activity on ecosystems and natural processes to make connections between them. In the course of their investigations, they will assess resource management and sustainability practices, as well as related government policies and international accords. They will also consider questions of individual responsibility and environmental stewardship as they explore ways of developing a more sustainable relationship with the environment for themselves, the community they live in and the global systems that influences their lives.

Prerequisite: Any university or university/college preparation course in Canadian and World Studies, English, or social sciences and the humanities.

CGW4U – World Issues: A Geographic Analysis, Grade 12, University

This course investigates the challenges of creating a more sustainable and equitable world. Students will explore issues involving a range of topics, including economic disparities, threats to the environment, globalization, human rights and quality of life, and will examine the causes, impacts, and challenges to help them identify possible solutions either through government policies, international agreements, and/or individual responsibilities related to the issue. Students will use the concepts of geographic thinking to help them think more critically while investigating their self-directed topics applying the inquiry process. Spatial technologies will be used throughout to support student investigations using ArcGIS online (spatial technology tool).

Prerequisite: Any university or university/college preparation course in Canadian and World Studies, English, or social sciences and the humanities.

CHY4U – World History since the Fifteenth Century, Grade 12, University

This course focuses on major developments and events in world history since approximately 1450 into the 1900s. Students will investigate the social, economic and political changes, the historical roots of current issues, and learn more about the role of conflict and cooperation in global interrelationships. As a result, they will be able to investigate how identity, citizenship, and heritage have been altered over time. They will be able to apply the concepts of historical thinking to gain a deeper understanding of the key issues and ideas that are relevant for assessing societal progress or decline in world history, all while using the historical inquiry process.

Prerequisite: Any university or university/college preparation course in Canadian and World Studies, English, or social sciences and the humanities.

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COOPERATIVE EDUCATION

In order to take part in the Coop program, the student must:

- complete and submit an application and be interviewed prior to selection into this program
- be willing to work a minimum of three hours a day without pay
- have a strong commitment to the program (i.e. have satisfactory attendance, positive attitude, and a willingness to complete all assigned tasks)
- be a senior student working toward his/her graduation diploma
- be interviewed and accepted by the employer and attend mandatory pre-employment days and integration
- provide own transportation to and from work placement
- have completed 16 credits

In addition, students should be aware that final permission for entrance into the program is based on the Principal's and the Coordinator's recommendation.

COOP – Cooperative Education, Grade 11 & 12 (2 credit courses), Open

Cooperative education is a planned learning experience, for which credits are earned, that integrates classroom theory and learning experiences at a workplace to enable students to apply and refine the knowledge and skills acquired in a related curriculum or locally developed course.

Prerequisite: By application

ENGLISH

English, Media Studies, Indigenous Studies, The Writer's Craft, Studies in Literature

ENG1D – English, Grade 9, Academic

This course is designed to develop the oral communication, reading, writing, and media literacy skills that students need for success in their secondary school academic programs and in their daily lives. Students will analyse literary texts from contemporary and historical periods, interpret informational and graphic texts, and create oral, written, and media texts in a variety of forms. An important focus will be on the use of strategies that contribute to effective communication. The course is intended to prepare students for the Grade 10 academic English course, which leads to university or college preparation courses in Grades 11 and 12.

Prerequisite: None . . .

ENG1P – English, Grade 9, Applied

This course is designed to develop the key oral communication, reading, writing, and media literacy skills students need for success in secondary school and daily life. Students will read, interpret, and create a variety of informational, literary, and graphic texts. An important focus will be on identifying and using appropriate strategies and processes to improve students' comprehension of texts and to help them communicate clearly and effectively. The course is intended to prepare students for the Grade 10 applied English course, which leads to college or workplace preparation courses in Grades 11 and 12.

Prerequisite: None

ENG1L – English, Grade 9, Locally Developed

This course will provide foundational literacy and communication skills to prepare students for success in their daily lives and in the workplace. The course is organized by strands that develop listening and speaking skills, reading and viewing skills, and writing skills. In all strands, the focus will be on developing foundational literacy skills and on using language clearly and accurately in a variety of authentic contexts. Students will develop strategies and put into practice the processes involved in speaking, listening, reading, viewing, writing, and thinking, and will reflect regularly upon their growth in these areas.

Prerequisite: None

ENG2D – English, Grade 10, Academic

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 and in their daily lives. Students will analyse 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. An important focus will be on the selective use of strategies that contribute to effective communication. This course is intended to prepare students for the compulsory Grade 11 university or college preparation course.

Prerequisite: ENG1D or ENG1P

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ENG2P – English, Grade 10, Applied

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.

Prerequisite: ENG1D or ENG1P

ENG2L – English, Grade 10, Locally Developed

In this course, students will focus on extending their literacy and communication skills to prepare for success in their daily lives and in the workplace. The course is organized by strands that extend listening and speaking skills, reading and viewing skills, and writing skills. In all strands, the focus will be on refining foundational literacy skills and on using language clearly and accurately in a variety of authentic contexts. Students will build on their strategies and engage in the processes involved in speaking, listening, reading, viewing, writing, and thinking.

Prerequisite: ENG1D, ENG1P or ENG1L

ENG3U – English, Grade 11, University

This course emphasizes the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyse challenging literary texts from various periods, countries, and cultures, as well as a range of informational and graphic texts, and create oral, written, and media texts in a variety of forms. An important focus will be on using language with precision and clarity and incorporating stylistic devices appropriately and effectively. The course is intended to prepare students for the Grade 12 university course.

Prerequisite: ENG2D

ENG3C – English, Grade 11, College

This course emphasizes the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will study the content, form, and style of a variety of informational and graphic texts, as well as literary texts from Canada and other countries, 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. The course is intended to prepare students for the compulsory Grade 12 college preparation course.

Prerequisite: ENG2P or ENG2D

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NBE3C – Indigenous Voices, Grade 11, College

NBE3E – Indigenous Voices, Grade 11, Workplace

Each course can be used to meet one compulsory grade 11 English credit requirement.

This course focuses on themes, forms, and styles of literary, informational, and graphic texts created by Indigenous authors. Students will develop literacy, critical thinking, and communication skills through the study of Indigenous authors. With guidance from the instructor, students will create oral and written texts, and analyse the relationship between Indigenous peoples and the media. The course will offer an emphasis on establishing appropriate voice and using formal language with clarity in writing. This course is intended to prepare students for appropriate use of language, critical thinking, and success in practical and academic life, while also building the skills necessary for a Grade 12 college preparation course.

Prerequisite for NBE3C: ENG2D or ENG2P

Prerequisite for NBE3E: ENG2D, ENG2P or ENG2L

ENG3E – English, Grade 11, Workplace

This course emphasizes the development of literacy, communication, and critical and creative thinking skills necessary for success in the workplace and in daily life. Students will study the content, form, and style of a variety of contemporary informational, graphic, and literary texts, and create oral, written, and media texts in a variety of forms for practical purposes. An important focus will be on using language clearly and accurately in a variety of formal and informal contexts. The course is intended to prepare students for the compulsory Grade 12 workplace preparation course.

Prerequisite: ENG2D, ENG2P or ENG2L

EMS30 – Media Studies, Grade 11, Open

This course emphasizes knowledge and skills that will enable students to understand media communication in the twenty-first century and to use media effectively and responsibly. Through analysing the forms and messages of a variety of media works and audience responses to them, and through creating their own media works, students will develop critical thinking skills, aesthetic and ethical judgement, and skills in viewing, representing, listening, speaking, reading, and writing.

Prerequisite: ENG2D, ENG2P or ENG2L

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EMS3OR – The Marathon Journey, Grade 11, Open *(Must be taken with PPL3O)*

This exciting new two credit course runs **all year** and seeks to bring out all the heart and grit inside of participating students. The classroom component will involve goal-setting, nutrition and fitness theory, journal writing, and a book study. As well, several classes per week will be set aside for runs of varying distance and intensity. As a class, students will gradually build fitness levels and support one another. **Participation is absolutely essential as the culminating project for this course involves running any portion of the Manitoba Marathon on Sunday, June 16, 2019! Students may choose to run a 10 km portion, half-marathon (21.1 km), or enter with up to four classmates to run a full marathon (each student would run a `leg' of the race).** Due to the unique nature of this course, a meeting with the student and his/her family must take place before the student is admitted. The joy and satisfaction received when crossing the finish line can't be measured! Take the challenge!

Prerequisite: Teacher/parent discussion must take place prior to enrollment

ENG4U – English, Grade 12, University

This course emphasizes the consolidation of the literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. 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. The course is intended to prepare students for university, college, or the workplace.

Prerequisite: ENG3U

ENG4C – English, Grade 12, College

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. The course is intended to prepare students for college or the workplace.

Prerequisite: ENG3U or ENG3C

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ENG4E – English, Grade 12, Workplace

This course emphasizes the consolidation of literacy, communication, and critical and creative thinking skills necessary for success in the workplace and in daily life. 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.

Prerequisite: ENG3U, ENG3C or ENG3E

EWC4U – The Writer’s Craft, Grade 12, University

EWC4C – The Writer’s Craft, Grade 12, College

The Writer’s Craft (EWC) is a student driven course where participants will be able to express their own voice in various forms such as children’s literature, script writing, poetry, drama, novels etc. Students will also develop their creative side through the artistic commonplace book and finish the year by writing a magnum opus. This course uses a workshop approach to identify effective ways to improve the quality of writing so as to further opportunities for publication and for writing careers.

Prerequisite for EWC4U: ENG3U

Prerequisite for EWC4C: ENG3U or ENG3C

ETS4U – Studies in Literature, Grade 12, University

Studies in Literature is a course completely unique to the English department. During this course students get to be the critic of literary pieces and the validity of their arguments becomes the basis for evaluation. Students will analyze a range of literary texts and respond personally, critically, and creatively to them while using a variety of theories to substantiate point of view in both written and oral form.

Prerequisite: ENG3U (ENG4U is also strongly recommended as a prerequisite/concurrent course)

OLC30/40 – Ontario Secondary School Literacy Course, Grade 11/12, Open

Grade 12 students who meet the eligibility requirement will be placed into this course by the Principal. This course is not on the option sheet.

This course is designed to help students acquire and demonstrate the cross-curricular literacy skills that are evaluated by the Ontario Secondary School Literacy Test (OSSLT). 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 a portfolio containing a record of their reading experiences and samples of their writing.

Eligibility requirement: *Students who have attempted to write the OSSLT at least once*

GUIDANCE

Learning Strategies, Career Studies,

GLC20 – Career Studies, Grade 10, Open

This compulsory half credit which is partnered with Civics (CHV2O). At the end of the course, students will gain working knowledge of their own credit counselling summary, be familiar with the pathways available to them to complete their secondary school career, and successfully transition into the world of work, apprenticeship or post-secondary education. 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 postsecondary 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.

Prerequisite: None

GPP30 – Leadership and Peer Support, Grade 11, Open

This course is designed to help students become leaders both in and outside of their school community. Students will develop a range of skills beyond the scope of a single subject or discipline. A large portion of the course involves hands-on, real-life experiences in interdisciplinary endeavours. Mentoring opportunities, creating and organizing activities throughout the school, fostering relationships of students in different grade levels will all be discussed. Students will also assess their own cognitive and affective strategies in order to practice their leadership qualities.

Prerequisite: None

GE113/JEB4T – Skills for Success, Grade 12, Open (*Dual credit)

This course, offered every other year, teaches students the practical skills, knowledge and attitudes needed for success in college. They will work on Blackboard (an online classroom forum) to discover their personal learning styles, how to study, how to take notes, how to manage time, and how to be effective communicators. Students will discover abilities and characteristics for personal growth and increased well-being. All work is designed, marked and submitted to a college instructor for evaluation. The classroom teacher works to assist students with the online platform and help them manage the workload. Once students successfully complete the course, they will receive one grade 12 elective high school credit, as well as one first year college elective credit.

Prerequisite: Senior student who plans to attend college.

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INDIGENOUS STUDIES

Indigenous Art Studies, Indigenous History,

NAC10 – Indigenous Art Studies, Grade 9, Open

This course explores Indigenous art forms through the study of the relationship between cultural traditions, teachings, and arts. Students will be introduced to Indigenous history and contemporary issues through the study of art produced by Indigenous artists. With guidance from the instructor, students will begin to critically examine cultural appropriation and how art can be used to strengthen Indigenous civil movements. Students will use Indigenous art forms to explore their understandings of identity, relationships, sovereignty, and challenges in Indigenous nations.

Prerequisite: None

NAC20 – Indigenous History, Grade 10, Open

**This course can be used to meet the compulsory grade 10 History credit requirement.*

This course explores the historical and contemporary experiences of Indigenous peoples in Canada. Students will critically examine the legal, political, social, and economic issues that affect the relationship Indigenous Nations have with the Crown and the Canadian government. Through the use of historical inquiry, students will expand their knowledge on Indigenous ways of knowing, Indigenous Nations prior to and during contact, treaties, the Indian Act, Residential Schools, and the Sixties Scoop. With guidance from the instructor, students will be introduced to the concepts of sovereignty, natural law, land rights, self-government, and justice through the lens of historical incidences like Ipperwash, and current issues like the lack of clean water in local communities. Students will focus heavily on local Indigenous history and knowledge, and use that information to further their learning about other Indigenous nations.

Prerequisite: None

NBV3C – Contemporary Indigenous Experiences, Grade 11, College

NBV3E – Contemporary Indigenous Experiences, Grade 11, Workplace

This course explores the contemporary lived experiences of Indigenous peoples locally and globally. Students will have the opportunity to use their inquiry skills to investigate how historical events have influenced the current political, economic, cultural, and social circumstances of Indigenous Nations. Through the lens of Indigenous worldviews, students will explore how traditional and contemporary beliefs create a unique lived experience for Indigenous peoples today. With guidance from the instructor, students will learn about topics including cultural reclamation, language revitalization, and moving forward with reconciliation. Students will also have the opportunity to experience land-based education and learn about basic identifiers & medicinal uses of local plants.

Prerequisite: NAG20, CHC2D or CHC2P

SECOND LANGUAGES

Anishinaabemowin Language, Anishinaabemowin Studies, Core French, Extended French

LNOAO – Anishinaabemowin I, Grade 9, Open

This course meets the requirement for a compulsory second language credit.

Anishinaabemowin I is open to all students at any level of learning the Ojibwe language. Students in the course explore language learning through reading and writing with heavy emphasis on oral communication. Students will learn how the language operates grammatically in order to become increasingly adept at speaking. The use of Anishinaabemowin will be reinforced with daily practice, use of basic phrases and vocabulary, and assessments. Students will be taught how to use current language technologies to support their learning. Students will be guided heavily by the instructor using common immersion methodologies adapted for language learners in order to create appropriate language practices that will inform their learning into the future.

Prerequisite: None

LNOBO – Anishinaabemowin II, Grade 10, Open

Anishinaabemowin II is open to any student who has successfully completed Anishinaabemowin I. This course will focus partially on reading and writing with heavy emphasis on oral communication and continuing the grammatical learning path from Anishinaabemowin I. Learning will be reinforced through daily practice, language immersion activities, use of basic phrases and vocabulary, projects, and assessments. Students will use current language technologies to continue expanding their vocabulary and understandings of Anishinaabemowin. Students will be guided by the instructor to build the skills necessary to learn and use the language beyond the classroom setting.

Prerequisite: LNOAO

LNOCO – Anishinaabemowin III, Grade 11, Open

Anishinaabemowin III is open to any student who has successfully completed Anishinaabemowin I & II. This course will focus on continued skill building in the reading and writing of the Ojibwe language, and will focus most heavily on improving oral communication skills. The grammatical learning path will be expanded with additional vocabulary and grammar patterns. Learning will be reinforced through daily practice, language immersion activities, consistent use of Anishinaabemowin, projects, and assessments. Students will use current language technologies to continue expanding their vocabulary and understandings of Anishinaabemowin. Students will be guided by the instructor to create meaningful language learning that will carry them beyond the classroom.

Prerequisite: LNOBO

LNODO – Anishinaabemowin IV, Grade 12, Open

Anishinaabemowin IV is open to any student who has successfully completed Anishinaabemowin I, II, & III. This course will focus on continued skill building in the reading and writing of the Ojibwe language, and will focus most heavily on improving oral communication skills. The grammatical learning path will be expanded with additional vocabulary and grammar patterns. Learning will be reinforced through daily practice, language immersion activities, consistent use of Anishinaabemowin, projects, and assessments. Students will use current language technologies to continue expanding their vocabulary and understandings of Anishinaabemowin. Students will be guided by the instructor to create meaningful language learning that will carry them beyond the classroom.

Prerequisite: LNOCO

IDP4U - Anishinaabemowin Studies, Grade 12, University (IDP4U)

Anishinaabemowin Studies is open to students who have completed Anishinaabemowin III. This course will be project-based and student driven. Students must be focused on becoming proficient language speakers, and be driven to undertake and complete research projects. Students will focus on a semester-long research and learning project that brings community and language together. Students will work with the instructor to build additional necessary skills, set goals, meet deadlines, and work with language speakers to create language resources. Students will commit to weekly check-ins with their instructor outside of class time. Assessments will be dependent upon the goals set by the student with guidance from the instructor. At the end of the course students will organize an event with the assistance of the instructor to 'launch' their projects.

Prerequisite: LNOCO

FSF1D – Core French, Grade 9, Academic

This course provides opportunities for students to communicate and interact in French with increasing independence. Students will continue to develop language knowledge and skills by using language-learning strategies introduced in the elementary Core French program, and will apply creative and critical thinking skills in various ways. Students will explore various French cultures from around the world and celebrate “la francophonie”. In doing so, they will develop the skills necessary to become life-long language learners.

Prerequisite: None

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FSF1P – Core French, Grade 9, Applied

This course provides opportunities for students to communicate and interact in French in structured situations. Students will continue to develop language knowledge and skills introduced in the elementary Core French program, through practical applications and concrete examples, and will use creative and critical thinking skills in various ways. Students will explore various French cultures from around the world and celebrate “la francophonie”. In doing so, they will develop the skills necessary to become life-long language learners.

Prerequisite: None

FEF1D – Extended French, Grade 9, Academic

For students continuing from an Extended French or French Immersion program, this course provides opportunities to communicate and interact in French with increasing independence. Students will continue to develop language knowledge and skills by using language-learning strategies introduced in the elementary Core French program, and will apply creative and critical thinking skills in various ways. Students will explore various French cultures from around the world and celebrate “la francophonie”. In doing so, they will develop the skills necessary to become life-long language learners.

Prerequisite: None

FSF2D – Core French, Grade 10, Academic

Students who take grade 10 French will continue to broaden their knowledge of the language. Students will expand their French through various reading, writing, listening and speaking activities throughout the year. Students will participate in hands on learning, in everyday situations. Emphasis will be put on learning French within the context of various French cultures.

Prerequisite: FSF1D or FSF1P

FSF2P – Core French, Grade 10, Applied

Students who take grade 10 French will continue to broaden their knowledge of the language. Students will expand their French through various reading, writing, listening and speaking activities throughout the year. Students will participate in hands on learning, in everyday situations. Emphasis will be put on learning French within the context of various French cultures.

Prerequisite: FSF1D or FSF1P

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FEF2D – Extended French, Grade 10, Academic

Students who take grade 10 French will continue to broaden their knowledge of the language. Students will expand their French through various reading, writing, listening and speaking activities throughout the year. Students will participate in hands on learning, in everyday situations. Emphasis will be put on learning French within the context of various French cultures.

Prerequisite: FEF1D or FIF1D

FSF3U – Core French, Grade 11, University

Students who take grade 11 French will continue to broaden their knowledge of the language. This course offers students extended opportunities to speak and interact in real-life situations in French with greater independence. Students will develop their creative and critical thinking skills through responding to and exploring a variety of oral and written texts Students will participate in hands on learning, in everyday situations. Emphasis will be put on learning French within the context of various French cultures.

Prerequisite: FSF2D

FSF3C – Core French, Grade 11, College

Students who take grade 11 French will continue to broaden their knowledge of the language. This course offers students extended opportunities to speak and interact in real-life situations in French with greater independence. Students will develop their creative and critical thinking skills through responding to and exploring a variety of oral and written texts Students will participate in hands on learning, in everyday situations. Emphasis will be put on learning French within the context of various French cultures.

Prerequisite: FSF2P

FEF3U – Extended French, Grade 11, University

Students who take grade 11 Extended French will continue to broaden their knowledge of the language. This course offers students extended opportunities to speak and interact in real-life situations in French with greater independence. Students will develop their creative and critical thinking skills through responding to and exploring a variety of oral and written texts Students will participate in hands on learning, in everyday situations. Emphasis will be put on learning French within the context of various French cultures.

Prerequisite: FEF2D or FIF2D

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FSF4U – Core French, Grade 12, University

In addition to continuing to extend their knowledge and love for the language, students in FSF4U will work towards completing the DELF (Diplôme d'études en langue française) Proficiency test in the spring. In discussion with their French teacher, students will challenge an appropriate proficiency test level, using the CEFR criteria (A1, A2, B1, B2). DELF is an internationally recognized examination issued by the French Ministry of National Education, and the diplomas are recognized worldwide as lifelong proof of the student's French language skills. The DELF consists of two parts; the first is an oral examination and the second tests students' abilities in listening, reading and writing in French. Successful students will be given a diploma with their proficiency certification from the DELF Centre in France, which can be used for specialized programming at post-secondary schools, and as well as with potential employers. Students in FSF4U will work hard to become as autonomous as possible with their language over semester.

Prerequisite: FSF3U

Extended French Programming

Students continuing with Extended French from their elementary programs, or who are transferring in from a French Immersion program have a specific pathway to complete in high school. Students will take the following courses as a part of their Extended French pathway.

Grade 9:

French (FEF1D), Geography (CGC1DF), Physical Education 7 Health (PPL1OF)

Grade 10:

French (FEF2D), History (CHC2DF)

Grade 11:

French (FEF3U)

*This is the year we recommend travel/exchange programs

Grade 12:

French (FEF4U)

*Optional DELF Proficiency Test

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MATHEMATICS

Principles of Mathematics, Foundations of Mathematics, Functions, Data Management, Calculus and Vectors

MPM1D – Principles of Mathematics, Grade 9, Academic

This course helps students strengthen their math confidence with concepts related to algebra, analytic geometry (graphing), and measurement and geometry through investigation and effective use of technology (desmos). Students will explore patterns and make conclusions that arise from the measurement of three-dimensional figures and two-dimensional shapes. They will also investigate relationships, which they will then generalize as equations of lines, and will determine the connections between different representations of a linear relation. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

Prerequisite: None

MF1P – Foundations of Mathematics, Grade 9, Applied

This course helps students develop their math confidence with concepts related to introductory algebra, proportional reasoning (ratio), and measurement and geometry through investigation, effective use of technology (desmos), and hands-on activities. Students will explore certain relationships that emerge from the measurement of three-dimensional figures and two-dimensional shapes. They will also investigate real-life examples to develop various representations of linear patterns, and will determine the connections between the representations (graph, table, equation, story). Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

Prerequisite: None

MAT1L – Mathematics, Grade 9, Locally Developed

This course develops math knowledge and skills to prepare students for success in their everyday lives, in the workplace, and in the MAT2L course. The course is organized in three strands: money sense, measurement, and proportional reasoning. The course chapters cover earning money, spending and budgets, measuring in home decorating, cooking, and sports and leisure while building on mental math confidence. Students have opportunities to further develop their mathematical literacy and problem-solving skills and to continue developing their skills in reading, writing, and oral language through relevant and practical math activities.

Prerequisite: None

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MPM2D – Principles of Mathematics, Grade 10, Academic

This course enables students to broaden their understanding of relationships and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and abstract reasoning. Students will solve and apply linear systems, verify properties of geometric figures using analytic geometry, explore quadratic relations and their applications, and investigate the trigonometry of right and acute triangles. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

Prerequisite: MPM1D

MFM2P – Foundations of Mathematics, Grade 9 Applied

This course enables students to consolidate their understanding of linear relations and extend their problem solving and algebraic skills through investigation, the effective use of technology, and hands-on activities. Students will investigate similar triangles, the trigonometry of right triangles, and the measurement of three-dimensional figures. 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 consolidate their mathematical skills as they solve problems and communicate their thinking.

Prerequisite: MPM1D or MFM1P

MAT2L – Mathematics, Grade 9, Locally Developed

This course further develops math knowledge and skills to prepare students for success in their everyday lives, in the workplace, and in the MEL3E course. The course is organized in three strands: money sense, measurement, and proportional reasoning. The course chapters cover earning money, spending and budgets, measuring in home repair projects, travel, and dining out vs at home while building on mental math confidence. Students have opportunities to further develop their mathematical literacy and problem-solving skills and to continue developing their skills in reading, writing, and oral language through relevant and practical math activities.

Prerequisite: MAT1L, MFM1P or MPM1D

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MCR3U – Functions, Grade 11, University

This course introduces the mathematical concept of the function by extending students' experiences with linear and quadratic relations. 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 confidence in determining equivalent algebraic expressions. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course is intended for students who are going on to university to study math, science and health, or engineering.

Prerequisite: MPM2D

MCF3M – Functions and Applications, Grade 11, College/University

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. Students will represent functions numerically, graphically, and algebraically, simplify expressions, solve equations, and solve problems relating to applications. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course is intended for students who are going on to college or university to study arts or business, and is the pre-requisite for MCT4C.

Prerequisite: MPM2D or MFM2P

MBF3C – Foundations for College Mathematics, Grade 11, College

This course enables students to increase their math confidence through problem solving in the real world. Students will extend their skills in geometry and trigonometry, collect, organize, analyse and evaluate data in one variable, connect probability and statistics, and add detail to patterns involving quadratic relations and exponential growth. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

Prerequisite: MPM2D or MFM2P

MEL3E – Mathematics for Everyday Life, Grade 11, Workplace (in conjunction with HIP4O)

This is the course to help students be financially independent in daily life. Students will solve problems associated with earning money and managing a budget, 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. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

Prerequisite: MPM1D, MFM1P, MFM2P or MAT2L

MDM4U – Mathematics of Data Management, Grade 12, University

This course broadens students' understanding of mathematics as it relates to managing data. Students will apply methods for organizing and analysing large amounts of information, solve problems involving probability and statistics, and carry out a culminating investigation that integrates statistical concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. Students planning to enter university programs in business, the social sciences, and the humanities will find this course of particular interest.

Prerequisite: MCR3U or MCF3M

MHF4U – Advanced Functions, Grade 12, University

This course extends students' experience with functions. 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.

Prerequisite: MCR3U or MCT4C

MCV4U – Calculus and Vectors, Grade 12, University

This course builds on students' previous experience with functions and their developing understanding of rates of change. 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 modelling of real-world relationships. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. 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.

Prerequisite: MHF4U must be taken prior to or concurrently with this course.

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MCT4C – Mathematics for College Technology, Grade 12, College

This math is recommended by colleges for all technical programs. 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.

Prerequisite: MCF3M or MCR3U

MAP4C – Foundations for College Mathematics, Grade 12, College

This course enables students to broaden their understanding of real-world applications of mathematics. Students will analyse data using statistical methods, solve problems involving applications of geometry and trigonometry, solve financial problems connected with annuities, budgets, and renting or owning accommodation, 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.

Prerequisite: MBF3C, MCF3M or MCR3U

MEL4E – Mathematics for Everyday Life, Grade 12, Workplace

This course enables students to broaden their understanding of mathematics as it is applied in the workplace and daily life. Students will investigate questions involving the use of statistics, apply the concept of probability to solve problems involving familiar situations, investigate accommodation costs, create household budgets, and prepare a personal income tax return, use proportional reasoning, estimate and measure, and apply geometric concepts to create designs. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

Prerequisite: MAT2L (though MEL3E suggested)

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PHYSICAL EDUCATION AND HEALTH

Healthy Active Living, Hockey Academy, Live Fit, Power Fit, Outdoor Education, Health for Life, Kinesiology, Recreation and Leadership, Artistic Sports

PPL10G, PPL20G – Girls Physical Education and Healthy Active Living, Grade 9 & 10, Open

Through **participation** in a wide range of physical activities, both team and individual, students develop knowledge and skills related to movement and personal fitness that provide a foundation for active living. Students will also get a better understanding of the factors and skills that contribute to a healthy lifestyle and positive relationships. This course appeals to individuals who like to be active through team sports.

Prerequisite: None

PPL10B, PPL20B – Boys Physical Education and Healthy Active Living, Grade 9 & 10, Open

Through **participation** in a wide range of physical activities, both team and individual, students develop knowledge and skills related to movement and personal fitness that provide a foundation for active living. Students will also get a better understanding of the factors and skills that contribute to a healthy lifestyle and positive relationships. This course appeals to individuals who like to be active through team sports.

Prerequisite: None

**Grade 9 Physical Education is also run as PPL10F – Extended French*

PAL10H/G, PAL20H/G, PAL30H/G, PAL40H/G – Hockey Academy, Grade 9-12, Open

The Beaver Brae Hockey Canada Skills Academy is designed to challenge and inspire all students (male and female) who participate. It is a complete program that includes education, on-ice skills, off-ice strength and conditioning, mental training, and personal and team development. On-ice sessions include hockey fundamentals such as skating, puck handling, checking, passing, and tactics. When students are not on ice they are exposed to sport specific fitness training, floorball, stick handling and shooting.

Prerequisite: None

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PAF10, PAF20 – Power Fit, Grade 9 & 10, Open

This is a **participation** course for both females and males looking to improve their personal fitness as it relates to athletics or general health. The focus of the course will be on weight training, circuit training, nutrition, conditioning and personal fitness. This course appeals to individuals wanting to improve personal fitness level for themselves or a specific sport.

Prerequisite: None

PAF10G, PAF20G – Live Fit, Grade 9 & 10, Open

This course is for female students only. It is a **participation** course with an increased emphasis on personal fitness (aerobics, circuit training, power walking, strength training, yoga, Pilates and core training). This course appeals to students who enjoy individual fitness activities as opposed to group activities.

Prerequisite: None

PAD20, PAD30 – Outdoor Education, Grade 10 & 11, Open

This outdoor participation/theory course involves many concepts related to the competence in, and enjoyment of, the natural environment while improving personal fitness. The course is designed to provide students with fundamental outdoor skills resulting in a greater level of appreciation and care for the natural world. The skill development will also enable the student to enjoy the outdoors safely and responsibly with the course culminating in a 3 day wilderness canoe trip. This course appeals to those who enjoy nature and especially interested in canoeing. Fee: approximately \$200.00.

Prerequisite: None

PAI10, PAI20, PAI30, PAI40 – Artistic Sports (Cheerleading), Grade 9-12, Open

This co-educational physical education and health education curriculum focuses on artistic sports and performance. A variety of cheerleading skills such as standing and running tumbling, stunting, jumps and dance will be used to develop fitness. Choreography and performance will be developed through the practice and performance of school cheer routines. Through a variety of activities including gymnastics, cheerleading, and personal fitness, students will develop self-confidence, leadership, and gain a better understanding with respect to one's body awareness and ability.

Prerequisite: None

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PPZ3C – Health for Life, Grade 11, College

The focus of the course is to prepare students for college programs in health sciences, fitness, wellness, and health promotion. This theory based course will enable students to examine the factors that influence their own health practices and behaviours as well as those factors that contribute to the development of healthy communities. This appeals to those interested in a theory based physical education course at the college level.

Prerequisite: None

PPL3OG, PPL4OG – Girls Physical Education and Healthy Active Living, Grade 11 & 12, Open

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 as they transition to adulthood and independent living. Through a wide range of physical activities and exposure to a broader range of activity settings, students enhance their movement competence, personal fitness, and confidence. This appeals to individuals who like to be active through team sports.

Prerequisite: None

**Also offered with EMS3OR – The Marathon Journey*

PPL3OB, PPL4OB – Boys Physical Education and Healthy Active Living, Grade 11 & 12, Open

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 as they transition to adulthood and independent living. Through a wide range of physical activities and exposure to a broader range of activity settings, students enhance their movement competence, personal fitness, and confidence. This appeals to individuals who like to be active through team sports.

Prerequisite: None

**Also offered with EMS3OR – The Marathon Journey*

PAF3OG, PAF4OG – Live Fit, Grade 11 & 12, Open

This course is for female students only and is a **participation** course for fitness enthusiasts who would like to explore a range of different activities including: aerobics, yoga, step, Pilates, dance, martial arts, etc. This course appeals to students who enjoy **individual fitness activities**. The focus is to establish a foundation for individual fitness for life as they transition to adulthood and independent living.

Prerequisite: None

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PAF30, PAF40 – Power Fit, Grade 11 & 12, Open

This is a **participation** course for both females and males looking to improve their personal fitness as it relates to athletics or general health. The focus of the course will be on weight training, circuit training, nutrition, conditioning and personal fitness and appeals to individuals wanting to improve personal fitness level for themselves or a specific sport.

Prerequisite: None

PLF4M – Recreation and Healthy Active Leadership, Grade 12, College/University

This course enables students to explore the benefits of lifelong participation in active recreation and healthy leisure and to develop the leadership and coordinating skills needed to plan, organize, and safely implement recreational events. Students will also learn how to promote the benefits of healthy, active living to others. The course will prepare students for university programs in physical education and health and kinesiology, and for college and university programs in recreation and leisure management, fitness and health promotion, and fitness leadership.

Prerequisite: Any health and physical education course

PSK4U – Exercise Science, Grade 12, University

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 sports, and the factors that influence an individual's participation in physical activity. The course prepares students for university programs in physical education, kinesiology, recreation, and sports administration.

Note: *There is a non-refundable \$20 fee for student workbooks for this course.*

Prerequisite: Any Grade 11 U or M course in Science, or any Grade 11 or 12 Open course in Health and Physical Education.

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SCIENCE

Science, Biology, Chemistry, Physics, Environmental Science

SNC1D – Science, Grade 9, Academic

This course provides important basic theory in four key divisions of science: Chemistry, Ecology, Electricity and Astronomy. In the Chemistry Unit, students learn about the organization of the periodic table of elements, physical and chemical properties of these elements, and the properties and reactions of simple compounds. The effects of human-made chemicals on health and the environment is also examined. The Biology Unit starts with a basic understanding of ecosystem structure, both aquatic and terrestrial and the balance that exists between the components. How human activity affects the sustainability of ecosystems and the impact of degrading these systems is also studied. The Astronomy Unit examines the properties of celestial objects starting in the solar system and moving out to the universe. A key component of examining these celestial objects is the study of the theories that underlie their creation, position and motion. The instrumentation used to study celestial objects is also covered in this unit. The Physics Unit introduces students to the basic laws of electricity, both static and current, and applications of each type. Students will build simple circuits to test some of the fundamental principles and relationships between current, resistance, and voltage. A detailed investigation into electricity generation is carried out and, finally, the cost-benefit analyses of renewable and non-renewable energy sources are studied with emphasis placed on reducing the amount of energy used. In each unit, connections to real-life situations as well as career options are explored.

Prerequisite: None

SNC1P – Science, Grade 9, Applied

This course provides lots of hands-on lab work, with an emphasis on applications of science to everyday life. The Chemistry Unit examines the chemical and physical properties of elements and simple compounds, how these properties affect their use, and the organization that underlies the periodic table of elements. The Biology Unit starts with a basic understanding of ecosystem structure, both aquatic and terrestrial. The interdependence of ecosystem components is emphasized as well as the effects that humans have on these systems. A key focus throughout this unit is how ecosystems can be sustained across time. The Astronomy Unit examines the properties of celestial objects starting in the solar system and moving out to the universe. Emphasis is placed on current and future prospects of space exploration, and the contributions of Canada to space exploration. The Physics Unit introduces students to the basics of electricity, both static and current, and applications of each type. Distinctions between renewable and non-renewable energy sources are studied with emphasis placed on reducing the amount of energy used. In each unit, connections to real-life situations as well as career options are explored.

Prerequisite: None

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SNC1L – Science, Grade 9, Locally Developed

Providing a basic understanding of everyday science, this course begins to develop student skills to understand science in the news media, make sense of product labels, understand how their bodies work and make healthy choices, and keep safe when working with various household chemicals. Students will also gain a basic understanding of current electricity and its applications in the home. Throughout the course, an emphasis is placed on the inquiry nature of scientific investigation and the proper collection of data and interpretation of them. In each unit, students will be introduced to careers connected with the topical material.

Prerequisite: None

SNC2D – Science, Grade 10, Academic

This course provides a solid foundation for the grade 11 university preparation courses. With lots of lab work, students gain important skills needed to carry on in the sciences. The Chemistry Unit examines the structure of matter and the types of bonds involved in compounds. Students will learn the basics of naming compounds, types of reactions, and how to balance chemical equations. The Optics Unit starts with a basic understanding of light and explores the effects that lenses and mirrors have on light rays. Students will also examine the application of these effects in the eye and cameras – culminating with the dissection of a cow's eye. The Cells to Systems Unit starts with functions of the cell and its organelles and moves into the body systems – respiratory, circulatory, digestive, nervous, and musculoskeletal. For each body system, students learn the basic functioning and anatomy which is reinforced with a culminating frog dissection. The Climate Change Unit provides the fundamental terms and concepts needed to understand the myriad facts and information students encounter in media daily on this topic. Focus is placed on evidence in the environment for climate change including proxy records, how climate change is affecting the planet, and what must be done to slow the change. In each unit, connections to real-life situations as well as career options are explored.

Prerequisite: SNC1D

SNC2L – Science, Grade 10, Locally Developed

Building on the skills and knowledge students gained in the Grade 9 Essential Science, this course covers more of the body systems and how they function. This course also provides insight into simple chemical reactions and how they operate in daily life with cooking and cleaning, and safety considerations for both home and workplace. A favourite in this course is the unit on Optics which provides opportunity for the students to explore light and its interactions with mirrors and lenses. Students will also learn about the processes which affect climate change, and how it is impacting the planet. Throughout the units, students will learn about careers in each of the topical areas.

Prerequisite: SNC1L

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SNC2P – Science, Grade 10, Applied

This course provides lots of hands-on lab work, with an emphasis on applications of science to everyday life. The Chemistry Unit examines the structure and properties of matter, simple reactions and chemical processes in industry and manufacturing, as well as in the home. Students will learn to name simple compounds and recognize reaction types. The Optics Unit starts with a basic understanding of light and examines the additive nature of colours, interactions of light with matter, and the use of light as alternative energy. Students will also dissect a cow's eye to learn how the anatomy relates to its function. The Biology Unit starts with functions of the cell and its organelles, a look at specialized tissues, organs and organ systems culminating with the dissection of a frog. The technology and instruments used to assess health will also be covered. The Climate Change Unit examines how climates change is both a natural and human-made phenomenon, evidence for climate change, and the effects it has on natural systems. In each unit, connections to real-life situations as well as career options are explored.

Prerequisite: SNC1P or SNC1D

SVN3M – Environmental Science, Grade 11, College/University

Environmental Science is an opportunity to explore the different components of the environment and their interactions, as well as the human influence within each area, with a balance between theory and application. The topics include soils, aquatics, air/atmosphere, wildlife and forestry/agriculture. Energy consumption, ecological footprint, and population growth will also be discussed, as well as a look at traditional ecological knowledge and ideas to help sustain life on planet Earth. There are as many outdoor experiences as possible as students learn to identify trees and tracks and make connections in nature. This course culminates with an Environmental Fair in Beaver Brae's atrium.

Prerequisite: SNC2D or SNC2P

SVN3E – Environmental Science, Grade 11, Workplace

Environmental Science is an opportunity to explore the different components of the environment and their interactions, as well as the human influence within each area, with emphasis on essential information and skills. The topics include soils, aquatics, air/atmosphere, wildlife and forestry/agriculture. Energy consumption, ecological footprint and population growth will also be discussed as well as a look at traditional ecological knowledge and ideas to help sustain life on planet Earth. There are as many outdoor experiences as possible as students learn to identify trees and tracks and make connections in nature. This course culminates with an Environmental Fair in Beaver Brae's atrium.

Prerequisite: SNC2D, SNC2P or SNC2L

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SPH3U – Physics, Grade 11, University

This course is designed to develop students' understanding of the basic concepts of physics. The five units in this course will introduce students to the fields of kinematics (motion), forces, energy transformations, waves and sound, and electricity and magnetism. The concepts learned in class will be explored using numerous labs and computer analysis of real experimental data. Students will also learn about the applications of physics and technology, and the resulting impacts to society and the environment.

Prerequisite: SNC2D

SBI3U – Biology, Grade 11, University

With a 4-day dissection of the fetal pig, this course is a favourite. The genetics unit features two classic methods for tracking traits – the Punnett Square and the pedigree. It follows on a short review of cells, culminating with the processes of meiosis and mitosis, which flows into the genetics unit. Evolution, although it is a separate unit, pervades the other units as students look at biological processes through the lens of evolution. The evidence for evolution and processes involved are covered in the unit, which culminates with a lab studying the skulls of hominids from Australopithecines to Homo sapiens. The diversity unit surveys the living organism on planet Earth and sets out the criteria for the Domains, Kingdoms and Classes within each Kingdom. A favourite in this unit is the bacterial culturing lab. Students learn more about the body's systems in the Structure and Function unit on animals, including labs on heart rhythms, respiratory volumes, and much more. Key anatomical and physiological aspects of plants are covered, extending from the nonvascular seedless plants to the vascular seed plants. Besides providing an excellent grounding for further studies in all branches of biology, this course offers insights into career options and technologies current in the workplace.

Prerequisite: SNC2D

SCH3U – Chemistry, Grade 11, University

Within the five units of this course, students perform many (15!) exciting labs and learn important lab skills and safety procedures for future studies in chemistry. A key component of all units in this course is the understanding of the mole and its use in chemistry computations. Bond types and trends of the periodic table are explored while investigating the chemical and physical properties of elements and compounds, the types of reactions that these substances undergo, and the ratios with which they must be present in order to react completely. The investigations involve solutions and quantitative calculations, as well as gas laws. Students will also investigate socioeconomic issues concerning drinking water and waste water treatment, as well as factors that affect the atmosphere and air quality.

Prerequisite: SNC2D.

SBI3C – Biology, Grade 11, College

This course includes a 4-day dissection of the fetal pig as part of the culminating activity. The Cellular Biology Unit begins with a look at important biological molecules, then covers cell processes and the organelles that carry out these processes. The Genetics Unit builds on the Cellular Biology Unit and covers both types of cell division in detail. It provides an introduction to probability and Punnett squares as a method for predicting genetic outcomes for offspring. The ethical issues that are the forefront in genetics today are also studied. The Microbiology Unit covers everything from viruses to “invisible” multi-celled organisms. The benefits from and harm done by these organisms, including disease, are covered. The unit includes an extensive lab on culturing bacteria and the aseptic techniques required to do this. The Anatomy of Mammals Unit focuses primarily on human systems and how they function, as well as the instrumentation used to monitor and analyze human health. The Plants Unit examines the different type of plant tissues, their functions and how they adapt to different environments. Links are also made to ecology and the importance of plants within ecosystems. Throughout all units, connections to careers and current technology are made.

Prerequisite: SNC2D or SNC2P

SPH4U – Chemistry, Grade 12, University

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 analyze, qualitatively and quantitatively, data related to a variety of physics concepts and principles. This course will involve numerous labs and computer analysis of real experimental data. Students will also consider the impact of technological applications of physics on society and the environment.

Prerequisite: SPH3U

SPH4C – Chemistry, Grade 12, College

This course is designed to develop student understanding of the basic concepts of physics. The five units in this course will introduce students to the fields of kinematics (motion), simple machines, energy transformations, electricity, as well as hydraulic and pneumatic systems. Students will have numerous opportunities for labs, experimentation and hands on learning. The concepts covered in class will be explored using the Lego EV3 robotics system. Students will have the opportunity to design, build and program simple machines and robots to illustrate the theory learned in class. Students will also learn about the applications of physics and technology, and the resulting impacts on society and the environment.

Prerequisite: SNC2D or SNC2P

SBI4U – Biology, Grade 12, University

The human systems not covered in SBI3U are covered in the Homeostasis Unit, including the nervous, endocrine and excretory systems. Students take a close look at two of the most important processes on Earth – photosynthesis and cellular respiration – in the Metabolic Processes Unit which includes plenty of hands-on laboratory work. This unit follows the Biochemistry Unit, which provides the foundation of physiological processes covered in the Homeostasis, Molecular Genetics and Metabolic Processes Units. The Molecular Genetics Unit includes labs on bacterial transformation, PCR, and gel electrophoresis – with observation of bacteria glowing green in the dark! The Population Dynamics Unit branches off from the concepts of ecology learned in grades 9 and 10 and focuses on the effects of human population of planet Earth. Throughout all the units, current applications of technology, its implications and the associated careers are explored.

Prerequisite: SBI3U

SCH4U – Chemistry, Grade 12, University

This course offers an extension of the atomic theory covered in SCH3U, including intermolecular forces and VESPR theory. The Organic Chemistry unit provides a solid grounding in fundamentals of Organic Chemistry including functional groups, their nomenclature and basic reactions typical for each class of compound. There are several types of equilibria examined in the Systems in Equilibrium Unit, including solubility, weak acid/base ionization, gas phase reactions and buffers. The effects of Le Chatelier's Principle on these systems is emphasized. In the Energy and Rates Unit, students will experiment with Hess's Law and also perform the classic Iodine Clock lab. The course includes a short unit on Electrochemistry, writing and balancing redox reactions. The culminating task is a guided, student planned lab covering many of the principles learned in the course. With plenty of lab work, this course provides opportunity to learn and use many of the techniques which will be used in university.

Prerequisite: SCH3U

SCH4C – Chemistry, Grade 12, College

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 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.

Prerequisite: SNC2D or SNC2P

SOCIAL SCIENCES

Raising Healthy Children, Understanding Fashion, Introduction to Anthropology, Psychology and Sociology, Fashion, Housing, Equity and Social Justice, Human Development, Personal Life Management, Philosophy

HPC3O – Raising Healthy Children, Grade 11, Open

This course focuses on the skills and knowledge parents, guardians, and caregivers need, with particular emphasis on maternal health, pregnancy, birth, and the early years of human development (birth to six years old). Through study and practical experience, students will learn how to meet the developmental needs of young children, communicate with them, and effectively guide their early behaviour. Students will develop their research skills through investigations related to caregiving and child rearing.

Prerequisite: None

HNC3C – Understanding Fashion, Grade 11, College

This course explores what clothing communicates about the wearer and how it becomes a creative and entrepreneurial outlet through the design and production processes. Students will learn, through practical experiences, about the nature of fashion design, the characteristics of fibres and fabrics, the construction, production, and marketing of clothing, and how to plan and care for a wardrobe that is appropriate for an individual's appearance, activities, employment, and lifestyle. Students will develop research skills as they explore the evolution of fashion and its relationship to society, culture, and individual psychology.

Prerequisite: None

HSP3U – Introduction to Anthropology, Psychology and Sociology, Grade 11, University

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 research, and to become familiar with current thinking on a range of issues within the three disciplines.

Prerequisite: ENG2D or CHC2D

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HSP3C – Introduction to Anthropology, Psychology and Sociology, Grade 11, College

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. Students 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.

Prerequisite: None

HLS30 – Housing and Home Design, Grade 11, Open

This course challenges students with creative hands-on and computer based activities and projects related to housing and home design. 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 hands-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.

Prerequisite: None

HSE4M – Equity and Social Justice: From Theory to Practice, Grade 12, College/University

Students who want to learn how to be an agent of change should consider taking this class. This course aims to create awareness and understanding of a range of current and historical equity and social justice issues, particularly in the local geographic region. Students will learn the theoretical, social, and historical foundations of these issues and analyse strategies for bringing about positive social change. They will also participate in experiential learning opportunities. Through personal reflection and focused conversation, students will explore themes, tackle meaningful questions, and document their learning journeys using technology. The ultimate aim of this course is for students to be inspired and motivated to be change agents. The course culminates in the development and implementation of a social action project of their choosing based on a need in their own community.

Prerequisite: Any university, college, or university/college preparation course in social sciences and humanities, English, or Canadian and world studies

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HHG4M – Human Development throughout the Lifespan, Grade 12, College/University

This course offers a multidisciplinary approach to the study of human development throughout the lifespan. Students will learn about a range of theoretical perspectives on human development. They will examine threats to healthy development as well as protective factors that promote resilience. Students will learn about physical, cognitive, and social-emotional development from the prenatal period through old age and will develop their research and inquiry skills by investigating issues related to human development.

Prerequisite: Any university, college, or university/college preparation course in social sciences and humanities, English, or Canadian and world studies

HIP4O – Personal Life Management, Grade 12, Open

This course prepares students for living independently and working successfully with others. Students will learn to manage their personal resources (including talent, money and time) to meet their basic needs for food, clothing, and housing. They will also learn about their personal, legal, and financial responsibilities and develop and apply interpersonal skills in order to make wise and responsible personal and occupational choices. Students will apply research and inquiry skills while investigating topics related to personal life management. The course emphasizes the achievement of expectations through practical experiences and will have the opportunity for many hands on activities.

Prerequisite: None

HHS4U – Families in Canada, Grade 12, University

This course enables students to draw on sociological, psychological, and anthropological theories and research to analyse the development of individuals, intimate relationships, and family and parent-child relationships. Students will focus on issues and challenges facing individuals and families in Canada's diverse society. They will develop analytical tools that enable them to assess various factors affecting families and to consider policies and practices intended to support families in Canada. They will develop the investigative skills required to conduct and communicate the results of research on individuals, intimate relationships, and parent-child relationships.

Prerequisite: Any university or university/college preparation course in social sciences and humanities, English, or Canadian and world studies

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HHS4C – Families in Canada, Grade 12, College

This course enables students to develop an understanding of social science theories as they apply to individual development, the development of intimate relationships, and family and parent-child relationships. Students will explore a range of issues relating to the development of individuals and families in contemporary Canadian society as well as in other cultures and historical periods. They will develop the investigative skills required to conduct research on individuals, intimate relationships, and parent-child roles and relationships in Canada.

Prerequisite: Any university, college, or university/college preparation course in social sciences and humanities, English, or Canadian and world studies

HZT4U – Philosophy: Questions and Theories, Grade 12, University

This course enables students to acquire an understanding of the nature of philosophy and philosophical reasoning skills, and to develop and apply their knowledge and skills while exploring specialized branches of philosophy. (The course will cover at least three of the following branches: metaphysics, ethics, epistemology, philosophy of science, social and political philosophy, and aesthetics). Students will develop critical thinking and philosophical reasoning skills as they formulate and evaluate arguments related to a variety of philosophical questions and theories. They will also develop research and inquiry skills related to the study and practice of philosophy.

Prerequisite: Any university, college, or university/college preparation course in social sciences and humanities, English, or Canadian and world studies

TECHNOLOGICAL STUDIES

Exploring Technologies, Construction, Transportation, Manufacturing, Hairstyling & Aesthetics, Barbering, Hospitality & Tourism, Communications Technology, Media & Animation

TFJ10 – Hospitality and Tourism, Grade 9, Open

In this course students will discuss the basics of nutrition and the many connections it has with body image, health and lifestyle choices. Students will learn general kitchen fundamentals such as basic kitchen safety, sanitation practices, knife handling skills, and food preparation. While using the Canada Food Guide students will explore different foods locally and globally. Students will also discuss the impact humans have had on the environment and how they can help to be part of the solution.

Prerequisite: None

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TIJ10 – Exploring Technologies, Grade 9, Open

This course enables students to further explore and develop technological knowledge and skills introduced in the elementary science and technology program. Students will be given the opportunity to design and create products and/or provide services related to various technological areas or industries while working with a variety of tools and equipment. Construction Technology and Transportation Technology are the main exploratory courses studied throughout the semester. Students will learn introductory skills in the construction trade as well as exposure to hands on experiences in the transportation industry as it relates to the servicing, diagnosing, and maintaining power engines and small motor equipment. Students will develop an awareness of environmental and societal issues, and will begin to explore secondary and post-secondary education and training pathways leading to careers in technology related fields.

Prerequisite: None

TXJ10 – Hairstyling and Aesthetics, Grade 9, Open

This course introduces students to concepts and skills related to hairstyling and aesthetics. Students will practice professional hairstyling techniques using various hot tools and braiding procedures to produce a broad array of finished looks. Students will learn about different cosmetic products, understand cosmetic colour theory and demonstrate a personalized basic makeup procedure for any occasion. They will produce special effects make up applications for theatre or special events. Through study and practical experience, students will explore principles that contribute to personal and professional success as well as pathways leading to careers in the field.

Prerequisite: None

TGJ10 – Communications Technology, Grade 9, Open

This course introduces students to communications technology from a media perspective. Students will work in the areas of print and graphic communications, photography, and animation. Student projects may include computer-based activities such as editing photos, 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 post-secondary education and training pathways and career opportunities in the various communications technology fields.

Prerequisite: None

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TTJ20 – Transportation Technology, Grade 10, Open

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.

Prerequisite: None

TCJ20 – Construction Technology, Grade 10, Open

This course requires students to acquire fundamental skills of the trades through exposure to practical applications. 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 and students will gain insight into a variety of trades through practical, hands-on experience. They will identify careers related to these trades. The units contain the expectations, skills and processes, planning notes, assessment tools, accommodations, and resources necessary for success in construction.

Prerequisite: None

TFJ20 – Hospitality and Tourism, Grade 10, Open

In this course students will explore the industry from a customer, employee and employer perspective. By doing this they are able to cover all aspects that are important to the food industry, such as safe food handling, customer service, knife skill development, and exploring food origins and ethnicities from around the globe. Students will learn basic culinary techniques that will be the foundation of further skill development for advanced work explored in the years to come. Students will also explore the ways society has impacted the environment and explore possible solutions.

Prerequisite: None

TXJ20 – Hairstyling and Aesthetics, Grade 10, Open

This course presents hairstyling and manicure procedures from a salon/spa perspective. Students learn fundamental skills in hairstyling such as braiding, blow dry techniques, various hot tool techniques, shampoo service and up do's. Students will perform manicures and bridal henna applications. Students consider related environmental and societal issues and explore secondary and postsecondary pathways leading to careers in the field of hairstyling and aesthetics.

Prerequisite: None

TGJ2O – Communications Technology, Grade 10, Open

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

Prerequisite: None

TMJ2O – Manufacturing, Grade 10, Open

This course introduces students to the manufacturing industry by giving them an opportunity to design and fabricate products using a variety of processes, tools and equipment. Students will learn about technical properties, preparation of materials, and manufacturing techniques. Students' projects may include a design challenge and fabrication projects involving various welding processes. Students will develop an awareness of environmental and social issues related to manufacturing and will learn about secondary and post-secondary pathways leading to careers in the industry. *Prerequisite: None*

TCJ3C – Construction Technology, Grade 11, College (One or Two Credits)

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, learning about building design and planning construction projects, creating and interpreting working drawings and sections, and learning how the Ontario Building Code and other regulations apply to construction projects. Students will also develop an awareness of environmental and societal issues related to construction technology, and explore career opportunities.

Prerequisite: None (TCJ2O recommended)

TCJ3E – Construction Technology, Grade 11, Workplace (One or two credits)

This course enables students to develop technical knowledge and skills related to carpentry, masonry, electrical systems, heating and cooling, and plumbing for residential construction. Students will gain hands on experience using a variety of materials, processes, tools, and equipment to design, lay out, and build projects. They will create and read technical drawings, learn construction terminology, interpret building codes and regulations, and apply mathematical skills as they develop construction projects. Students will also develop an awareness of environmental and societal issues related to construction technology, and explore postsecondary and career opportunities in the field.

Prerequisite: None

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TMJ3C – Manufacturing Technology, Grade 11, College

This course introduces students to the manufacturing industry by giving them an opportunity to design and fabricate products using a variety of processes, tools and equipment. Students will learn about technical properties, preparation of materials, and manufacturing techniques. Students' projects may include a design challenge and fabrication projects involving various welding processes. Students will develop an awareness of environmental and social issues related to manufacturing and will learn about secondary and postsecondary pathways leading to careers in the industry.

Prerequisite: None (TMJ2O recommended)

TTJ3C – Transportation Technology, Grade 11, College (One or two credits)

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.

Prerequisite: None (TTJ2O recommended)

TTJ3E – Transportation Technology, Grade 11, Workplace (One or two credits)

This general interest course enables students to become familiar with the options and features of various vehicles, issues of registration, and the legal requirements affecting vehicle owners. Students will also learn about vehicle financing and insurance, vehicle maintenance, emergency procedures, and the responsibilities of being a vehicle owner. Students will develop an awareness of environmental and societal issues related to vehicle ownership and use, and will explore career opportunities in the transportation industry. *Prerequisite: None*

TFJ3C – Hospitality and Tourism, Grade 11, College

In this course students will explore food through the eyes of a professional. They will develop their culinary skills by learning basic and advanced knife skills, garnishing techniques, plate presentation, as well as exploring a multitude of different cuisines locally and from afar. Students will learn about different career options and pathways available in this industry as well as explore employer expectations as a professional. They will also discuss the many sectors of the Hospitality and Tourism Industry while learning about the impact it has on the environment and what they can do to reduce their carbon footprint. This class takes a hands on approach to learning, which allows students the freedom to be creative and to learn in an interactive environment.

Prerequisite: None
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TXJ3E – Hairstyling and Aesthetics, Grade 11, Workplace

This cosmetology course enables students to develop knowledge and skills in hair cutting, product knowledge, and various hair colour procedures based on today's trends as well as continuing to develop their hairstyling skills. Students identify trends in the hairstyling and aesthetics industry and are able to 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.

Prerequisite: None (TXJ20 recommended)

TXJ3EB – Barbering, Grade 11, Workplace

Barbering Education provides students with the foundational principles and techniques needed to be successful both while in school and beyond to employment. Students will gain hands-on experience using professional materials and equipment. In addition, classic techniques have been paired with contemporary looks with a major focus on men's haircutting, the procedures, infection control, life skills and business chapters. Other optional units such as men's hair colouring, shaving and personal care, may also be included. Students will use professional terminology related to the industry, acquire transferable problem-solving skills, and learn about the essential skills and work habits that are important for success in this field. At the same time, they will expand their communication and interpersonal skills as they interact with their peers. In a growing service economy, courses in barbering helps to prepare students for rewarding careers.

Prerequisite: None

TGJ30 – Communications Technology, Grade 11, Open

This course enables students to develop knowledge and skills in the area of graphic communication, printing and publishing, audio and video production, and broadcast journalism. 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 the making of signs, yearbooks, video and/or audio productions, newscast and documentaries. Students will also develop an awareness of related environmental and societal issues, and will explore secondary and post-secondary education and training pathways and career opportunities in the various communications and technology fields.

Prerequisite: None

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TGJ3M – Communications Technology, Grade 11, College/University

This course examines communications technology from a media perspective. Students will develop knowledge and skills as they design and produce media projects in graphic communications. These areas may include print and graphic communications, photography, digital imaging, and interactive new media. Students will also develop an awareness of related environmental and societal issues and explore college and university programs and career opportunities in the various communications technology fields.

Prerequisite: None (TGJ2O recommended)

TFJ4C – Hospitality and Tourism, Grade 12, College

In this course students will cover a more in depth look at what it takes to be an employable professional in the Hospitality and Tourism Industry. Developing technical skills in food preparation and presentation, or “food art”, will be a main focus. These skills will be put to great use while students plan, organize and implement a variety of events within the school and community. Learning a multitude of management skills like menu planning, inventory procedures, and marketing strategies will also be a main emphasis. While studying the common industry practices, students will also take a look into how it effects the environment and society and the role individuals play.

Prerequisite: TFJ3C

TXJ4E – Hairstyling and Aesthetics, Grade 12, Workplace

This course enables students to increase their proficiency in a wide range of hairstyling and aesthetics services with the added option of practicing gel nail systems and hair removal. Students with previous experience in this pathway will be able to provide full services to a diverse clientele within the classroom. They will study professional employee/employer salons, self-employment and successful business practices within the industry. Students will expand their knowledge of post-secondary destinations in the hairstyling and aesthetics industry.

Prerequisite: TXJ3E

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TGJ4M – Communications Technology, Grade 12, College/University

This course enables students to further develop media knowledge and skills while designing and producing projects in the areas of live, recorded, and graphic communications. Students may work in the areas of print and graphic communications, photography, digital imaging, and interactive new media. Students will also expand their awareness of environmental and societal issues related to communications technology and will investigate career opportunities and challenges in a rapidly changing technological environment.

Prerequisite: TGJ3M

TCJ4E – Construction Technology, Grade 12, Workplace (Two credits)

This course enables students to further develop technical knowledge and skills related to residential construction and to explore light commercial construction. Students will continue to gain hands-on experience using a variety of materials, processes, tools, and equipment, create and interpret construction drawings, and learn more about building design and project planning. They will expand their knowledge of terminology, codes and regulations, and health and safety standards related to residential and light commercial construction. Students will also expand their awareness of environmental and societal issues related to construction technology and explore entrepreneurship and career opportunities in the industry directly after graduation.

Prerequisite: TCJ3E

TCJ4C – Construction Technology, Grade 12, College (Two credits)

This course enables students to further develop knowledge and skills related to residential construction and 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.

Prerequisite: TCJ3C

TTJ4E – Transportation Technology, Grade 12, Workplace (Two credits)

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 motor 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.

Prerequisite: TTJ3E

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TTJ4C – Transportation Technology, Grade 12, College (Two credits)

This course enables students to further develop technical knowledge and skills as they study, test, service, and repair engine management systems, power trains, 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.

Prerequisite: TTJ3C

TTJ4CD – Transportation Technology, Grade 12, College (Dual Credit)

This dual credit will allow the student to achieve a high school credit as well as a college credit. This dual credit is team taught by a high school teacher and a college instructor. This course introduces the student to occupational health and safety, basic hand and power tools, precision measuring tools, fastening devices and torquing procedures, seals and sealants. Heating and cutting methods are also introduced.

Note: This dual credit will only be offered in semester two.

Prerequisite: TTJ3C recommended

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