



ATIKOKAN HIGH SCHOOL 2017- 2018 PROGRAM AND COURSE CALENDAR



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Atikokan High School Website: www.ahs.rdsb.com

ATIKOKAN HIGH SCHOOL PROGRAM AND COURSE CALENDAR

Atikokan High School Mission: *Excellence Through the Courage To Care*

Message To Parents and Students

There is nothing more important to your success as a contributing member of society than attaining a quality high school education. It is a minimum standard for the technology and information age that we live in. Atikokan High School and its staff have made a commitment to help every student have a successful outcome from their secondary school experience. Our close-knit, supportive environment of high expectations will ensure success for all students who are willing to challenge themselves.

Atikokan High School has a proud tradition of excellence in Academics, Co-operative Education, Athletics, Outers and Technology programs. We depend heavily on staff, students, parents and the community to keep these traditions alive. We must work together to make your experience at Atikokan High School the best it can be. We have branched out to offer programs through e-learning; opening more opportunities to our students through accessing the expertise of staff members at other schools in our Board.

It is important that the students and parents/guardians read the Program and Course Calendar thoroughly to become acquainted with the school programs and make choices for their program from a realistic perspective that will ensure success. Further information is available on any aspect of this calendar by contacting the school at 597 - 2703.

We look forward to the 2017 - 2018 school year and hope it will be an exciting and rewarding year for all of our students.

Common Vision: *Our unique educational community will:*

- foster well-rounded individuals;
- provide positive role models for students to strive toward;
- provide all students with opportunities for success;
- encourage and promote interaction between community and school;
- provide an environment in which students pursue self-improvement;

Our vision is future focused and based on positive exit outcomes for our graduates.

Belief Statements: *At Atikokan High School, we believe:*

- all students can learn;
- students learn in different ways and at different rates;
- students need active engagement;
- students need a safe and supportive environment;
- success breeds success

Equal Opportunity Statement

The school environment is one of the major agents of socialization in our society and is of vital importance in the growth and development of our young people. It is essential, therefore, that the school provides every opportunity to maximize the potential of both male and female students. In order to give all students the chance to develop in the direction of their talents, the school has designed its curriculum and directed its teaching methods, materials and counselling services to create a learning environment that is free from gender bias.

All students, regardless of their career plans, are encouraged to take a wide variety of courses. They must be adequately prepared for the highly competitive environment beyond secondary school. Educations and parents must help them come to terms with the changing roles, values, and attitudes towards men and women.

This Program and Course Calendar reflects the most current information available at the time of publications. The school administration reserves the right to establish or cancel courses depending upon the course enrolment, availability of facilities and/or availability of qualified teachers, subsequent to the publication of this guide.

OSSD DIPLOMA REQUIREMENTS

In order to earn an Ontario Secondary School Diploma (OSSD), a student must earn a minimum of 30 credits distributed as follows:

Compulsory Credits (Total of 18)

- 4 credits in English (1 credit per grade)
- 1 credit in French as a second language
- 3 credits in Mathematics (at least 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
- .5 credit in Civics
- .5 credit in Career Studies

Group 1 -- additional credit in English, or French as a second language, ** or a Native language, or a classical or an international language, or social sciences and the humanities, or Canadian and world studies, or guidance and career education, or co-operative education***

Group 2 -- additional credit in health and physical education, or the arts, or business studies, or French as a second language, ** or co-operative education ***

Group 3 -- additional credit in science (Grade 11 or 12), or technological education, or French as a second language, ** or computer studies, or co-operative education ***

Note: A maximum of 2 credits in co-operative education can count as compulsory credits

Elective Credits (Minimum of 12)

The optional credits may be chosen from the rest of the school programme.

Successful completion of:

- Ontario Secondary School Literacy Test or the Ontario Secondary School Literacy Course
- 40 Hours of Community Involvement Activities. **Note:** as of July 2011, students can begin attaining Community Service hours during the summer (July & August) prior to entering Grade 9.

*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.

ATIKOKAN HIGH SCHOOL PROGRAM AND COURSES

Granting Credits

A credit is granted in recognition of the successful completion of a course that has been scheduled for a minimum of 110 hours. Students can earn only one credit per course. You **do not** earn a second credit when upgrading a course.

Granting Credits for Ministry Approved Programs Taken Outside the School

AMX3M: Grade VII Practical and Grade I Rudiments of the Royal Conservatory of Music, Toronto

A student who has successfully completed the requirements for the above may count a maximum of one non-Grade 12 university/college preparation credit towards the OSSD *in addition* to any other non-Grade 12 university/college preparation music credits earned in the school:

AMX4M: Grade VIII Practical and Grade II Rudiments of the Royal Conservatory of Music, Toronto

A student who has successfully completed the requirements for the above may count a maximum of one Grade 12 university/college preparation credit towards the OSSD *in addition* to a maximum of one other Grade 12 university/college preparation credit in music earned in the school:

Students who have completed the requirements for the above music programs should submit proof to the Guidance office.

Courses and Level of Difficulty

Students must select their courses and level of difficulty based on their ability to be successful. The assistance and recommendation of the grade 8 or current subject teachers is very important. Guidance staff or the administration will contact parents of any student who may be misplaced. Successful completion of all credits in Grade 9 and 10 is critical to keeping students on the path to graduation.

School Administration

The school administration reserves the right to establish or cancel courses depending upon the course enrolment, availability of facilities and/or availability of qualified teachers. Students are asked to number their courses in order of preference to assist administration when deciding courses to offer.

Substitutions for Compulsory Courses

In order to ensure that all students can qualify for the OSSD, the Principal may approve the substitution of a limited number of compulsory credits. Principals may replace up to three compulsory credits with courses from the remainder of those that meet the compulsory credit groupings. An appointment with the principal is required to discuss each substitution request.

40 Hours Community Involvement

Every student who begins secondary school during or after the 1999-2000 school year **must** complete 40 hours of community involvement activities as part of the requirements for an OSSD. A list of Board-approved activities is provided to students in their first year of high school. Students arrange for the completion of the hours with the assistance of their parents. Students keep track of their accumulated hours through the guidance office by completing a Community Involvement Activity sheet after each volunteer activity. Students can begin attaining Community Service hours during the summer (July & August) prior to entering Grade 9.

Ontario Secondary School Literacy Test

All students who enter Grade 9 in the 2000 - 2001 school year, or later, must successfully complete the provincial Grade 10 Ontario Secondary School Literacy Test in order to earn a secondary school diploma. The test will be based on the Ontario curriculum expectations for language and communication - particularly reading and writing - up to and including Grade 9.

The test will determine whether students have acquired the reading and writing skills considered essential for literacy, and provide confirmation that those students who have completed the test successfully have attained the provincial expectations for literacy. The test will identify those students who have not demonstrated the required skills and will identify areas in which these students need remediation. School boards provide remedial assistance for students who do not complete the test successfully. This assistance is designed to help students improve their skills so that they are better prepared to retake the literacy test.

Students who have an Individual Education Plan will be provided with the same accommodations for the literacy test as are provided in his/her regular course work. Deferrals and exemptions may be granted to those students who have not acquired the level of proficiency in English to successfully complete the test or who are not working toward a secondary school diploma.

Students who have attempted the OSSLT more than once and have been unsuccessful may enrol in the Ontario Secondary School Literacy Course in their grade 12 year. Successful completion of this course fulfils the Literacy requirement for graduation purposes. It also qualifies as one of the compulsory English credits.

Student Records, Diploma, Transcript & Certificates

Ontario Student Record

The cumulative record of each student's progress is maintained in the Ontario Student Record folder. The folder has a variety of sections where information is stored to assist in planning for a student's program. Report cards, letters, testing data, French language instruction records, Special Education reports, and vital medical information are some of the documents kept in the OSR. Students and parents have access to this information by contacting a guidance counsellor or administrator.

Ontario Student Transcript

The transcript of marks lists all the courses which have been successfully completed; the marks and credits obtained. Under the new full disclosure policy, Grade 11 and 12 courses failed, repeated or withdrawn from will also be recorded. It is an important document for employment purposes and for admission to post-secondary institutions. Students and parents may have access to this information by contacting a guidance counsellor or administrator.

The Ontario Secondary School Diploma is issued by the Ontario Ministry of Education and Training, and states that a student has successfully completed the minimum requirements for an O.S.S.D.

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)

7 credits selected by the student from available courses

Students who leave school before fulfilling the requirements for the Ontario Secondary School Diploma or the Ontario Secondary School Certificate may be granted a **Certificate of Accomplishment**. The Certificate of Accomplishment may be a useful means of recognizing achievement for students who plan to take certain vocational programs or other kinds of further training, or who plan to find employment after leaving school.

Semester System

The high school year is organized into two semesters. Students take four classes per semester. Classes are 75 minutes in length. Two classes are scheduled in each of the morning and afternoon time blocks with 10 minute breaks in between classes.

Report cards are issued at mid-semester and the end of each semester.

Student Responsibilities

Every student will be provided with a Code of Student Behaviour at the start of each school year. This code outlines expected behaviour and responsibilities for all students in order to have a safe, enriching learning environment. Students are expected to grow in their ability to demonstrate co-operation and respect to peers, teachers, and all members of the school community. We provide pressure and support to all students in their academic and personal development. Regular attendance and punctuality is vital to all students' success in an environment of high expectations.

Board's Safe School Policy

The Rainy River District School Board will foster and maintain a safe environment for its students, staff and community through the implementation of effective measures to deal with violence in schools. These measures include the establishment of preventative procedures, the provision of appropriate early intervention procedures and the administration of disciplinary action in accordance with Board Policy, the Education Act, the Safe Schools Act, the Ontario Schools Code of Conduct and other relevant legislation. The complete policy can be found on the Board website (www.rrdsb.com) under Approved Policies 4.16

Student Attendance

Regular attendance and punctuality are essential components of success in all courses. The detailed procedures of the school attendance policy are available in the Atikokan High School Student Handbook and Code of Student Behaviour.

Assessment - Evaluation - Reporting

Assessment and evaluation will be based on the provincial curriculum expectations and the achievement levels outlined in the secondary curriculum documents.

In **Grade 9-12 Assessment**, the final grade for each course will be determined as follows:

Term Work	70%
Final Evaluation	30%

Where a written exam is part of the final evaluation, the exam will be written in the formal exam period. Students attend school to write an exam on a scheduled day and time. Exceptions will only be made for **legal, medical or educational reasons**.

There will be two formal reports each semester: a mid-term and final report. "Parents' Night" will occur at least once per semester. Parents are encouraged to contact teachers at any time should they have concerns regarding their child's achievement.

Supports and Resources

Student Services

The Atikokan High School Guidance Department offers assistance to students in the areas of (1) Educational Planning and Course Selection, (2) Career Planning and (3) Personal Development. Students may be seen routinely or by request. Classroom visits also occur for group topics. The Guidance Department maintains a comprehensive file of calendars, videos and first year view books for post secondary institutions in Ontario. Limited resources are available for the rest of Canada and the United States. Career information is readily available in hard copy, on computer discs, and on programs via the Internet. Information on the offering of courses through other means is also available. Students and parents are encouraged to seek the assistance of a counsellor at any time.

Co-operative Education

Co-operative Education is a career-oriented program designed to integrate classroom theory with practical, meaningful experiences in the workplace. The program is open to all senior students, and offers each the opportunity to explore career goals or interests while still in school. The partnership and relationship with community workplaces is vital to the success of the Co-operative Education program. Students must apply, be interviewed and accepted by the co-ordinators prior to being part of the Co-operative Education program.

Co-op allows students to relate classroom instruction to the workplace; observe and operate equipment not available at school; develop job skills; gain practical experience which is essential in today's competitive job market; acquire confidence, self-reliance, appropriate expectations and attitudes in preparation for permanent employment; enhance opportunities for summer work and job placement after graduation, enter apprenticeship and other post-secondary education programs more easily.

Co-op courses are offered to students in grade 11 and 12. Enrolment in Co-operative Education courses is subject to timetable limitations and availability of job placement. Acceptance into the program depends in part upon an interview with the teacher monitor. Grade 9 and 10 students are considered for Co-op on an individual basis.

Evaluation of each participant is a combined effort of the school monitor and workplace supervisor. The evaluation is based on the student's reliability, initiative and ability to work in a practical situation. A student's final mark is a combination of pre-employment orientation assignments, on-the-job performance and assignments, weekly logs, and active participation in a final culminating activity.

OYAP - Ontario Youth Apprenticeship Program

The Ontario Youth Apprenticeship Program (OYAP) is a specialized program that enables students who are 16 years of age or older to meet diploma requirements while participating in an occupation that requires apprenticeship. This is done through an agreement between the student who wants to learn a skilled trade, the employer who provides the training, the Ministry of Education, the high school and the Ministry of Training, Colleges and Universities.

All students participating in OYAP must:

- Complete sixteen credits towards the OSSD prior to starting the program. An OYAP student earns co-operative credits for work experience in an apprenticeship occupation.
- Be enrolled as full-time students during the program.
- Complete all compulsory credits required for the OSSD.

OYAP is available at all Secondary Schools in the Rainy River District School Board.

Please see a guidance counsellor or co-op teacher for more information.

Computer Labs

The school maintains computer labs for student and teacher use. Software and hardware are updated on a regular basis by the Board technicians and information technology teachers. Students are able to take courses in a specialized room equipped with interactive white board and computer stations through our videoconference learning model.

Resource Centre

The Resource Centre is open for study, research, leisure reading and preparing assignments from 8:00 a.m. to 4:00 p.m. each day. Students are able to sign out books and DVD materials. These resources may be renewed unless they have been reserved by another student. Encyclopedia, magazines, and other reference materials may not be signed out, but students may photocopy single copies of articles for research purposes. The computers have software programs, on-line databases, Internet access and printers available for student use. The Resource Centre staff is available to help students research, find materials and prepare assignments.

Community Resources

The school works with community partners on an ongoing basis. Their support of our students and our programs increases our students' ability to connect what they are learning to real life. Many of our community partners bring services to our students to assist them with personal and family issues that may affect their well-being and ability to succeed in school.

A few of our community partners are:

- AHS Parents' and School Council
- Co-op Education Work Placements
- Local Industry and Businesses
- Child and Family Services
- Atikokan Native Friendship Centre
- Atikokan Community Counselling
- Firefly
- Community Living- Atikokan
- Ministry of Natural Resources
- Atikokan Economic Development
- Northwestern Health Unit
- Shelter of Hope
- Township of Atikokan

INTERVENTION STRATEGIES

Guidance and Student Success Teachers

When students are experiencing difficulties achieving success in their classes, the guidance counsellor or student success teacher meets with them. Timetable adjustments, time management strategies, homework tracking, daily reports to parents, and attendance tracking are some of the areas of assistance offered. Every effort is made to help the student attain the skills and assistance necessary to be successful.

Credit Recovery Program

Should a student fail a credit, teachers are asked to identify the expectations that were not met and areas of weakness that the student must improve on. If the teacher feels that the student is motivated and can work independently, they may recommend him/her for the Credit Recovery Program. Credit Recovery allows the student to complete a defined package of work to earn back the credit without repeating the entire course. Credit Recovery is offered throughout the school year and during the summer (if there are enough students).

Attendance Counsellor

The Board employs Provincial Attendance Counsellors to assist families and students in maintaining regular attendance. The Ministry of Education mandates that students attend school and be involved in school programming until age 18. The attendance counsellor connects with families of students who are not in compliance with the policies supporting this law. Families are given strategies, encouragement, community support, and alternative programming where needed to keep their children in school.

Student Learning Centre

The Student Learning Centre is an alternative education classroom that was established to provide an option for students whose educational needs cannot be met in the regular day school program. Students take individualized programs to complete their diploma requirements. Adults in the community who wish to complete their OSSD are able to take Independent Learning courses through this program with work space provided at the Atikokan Adult Learning Centre located at 25 Rawn Road.

Timetable Changes

Student options sheets are used in determining the courses that will be offered to all students in the next school year. Students must take the process of choosing courses very seriously. Research into the courses they require to go on to apprenticeship, college, university and other post-secondary training must be done prior to selecting their courses for their senior years.

Changes to course selection will only be made in the following instances:

- (1) The timetable is unacceptable due to course(s) omitted or improper sequencing of courses.
- (2) Failure of a compulsory course in Semester I or changes in career plans (post secondary prerequisites).

Whenever students are allowed to change courses, every effort is made to retain the coherence of their programs as well as the other characteristics involved in the initial planning.

As with original course selections, all course changes by students under the age of majority must also receive parental approval.

****COURSE CHANGES MUST BE MADE WITHIN DEADLINES SET BY THE GUIDANCE OFFICE****

Special Education

A student may be referred to Special Education services by a parent, teacher, or principal when it is apparent that the student is not being successful with routine interventions. Special Education Services encompass the facilities, resources and programs, including support personnel, equipment and assistive technology, necessary for developing and implementing an Individual Education Plan for each identified student. A wide range of services are provided to the student through Special Education to assure that each student receives the best possible educational program to suit his/her needs and abilities. There are several ways that assistance is offered to the student:

1. **Assessments and Consultative services** with professionals from the region for parents and students when determining if the student has exceptionality and how that exceptionality can be addressed by the school.
2. **Accommodations** are the differentiated teaching and assessment strategies that allow a student to demonstrate their learning. The student is working toward the same expectations of the course and attains the same credit.
3. **Modifications** occur when the expectations of the course cannot be met by the student due to their exceptionality. The student works toward mastering material at their given academic level. The student works toward the improvement of his/her skills in the subject area until he/she is able to work at the grade level expectations.
4. **Life Skills Courses** provide the student with practical experiences, with a focus on independence, to prepare him/her for community living following high school. These courses offer vital social skills to the student who may not have the opportunity to attain an OSSD. These courses are not for credit. Students work towards a certificate of accomplishment.

5. **Individual Education Plans** are developed with teachers to be able to identify the specific exceptionality of the student, goals for the school year, and accommodations required for classroom success.
6. **The Identification, Placement and Review Committee (IPRC)** process allows for the parent, student, teachers, Special Education Resource Teacher, and principal to meet to discuss the uniqueness of the student, any next steps for assessments and goal setting, and course selection and programming for the upcoming school year.
7. **The Special Education Advisory Committee** is a Board committee where parents can have input into how the Special Education Services are provided to the students of the Board. This committee seeks out parental involvement in its membership.

For more information on Special Education Services please visit www.rrdsb.com or contact the Special Education Resource teacher at the school.

Prior Learning Assessment and Recognition (PLAR)

Challenging a Course:

Students may receive a credit without taking a course if they can demonstrate that they have the knowledge, skills, and competencies from prior learning to meet the expectations for the course set out in the provincial curriculum policy documents. To receive a credit through the PLAR process, assessment and evaluation is based on all the strands in a course and the achievement charts for the course that appear in the curriculum document.

Important things to note:

- The PLAR process applies only to courses in Grade 10-12.
- Students may obtain a maximum of four credits through the PLAR process; no more than two in one subject area.
- Students can not challenge a course that they have already attempted.
- The course must be one that is currently taught within the schools operated by the Board.
- Students must go through a formal application process with the principal and meet strict criteria to be considered.
- Students must provide reasonable evidence to the principal that they are likely to be successful in the challenge process, in accordance with the curriculum established by the Ministry of Education.
- Students must submit a detailed application package to the school principal by June 1st of the year prior to the challenge. For more information, inquire at the school for Board Procedure 5.76.

Equivalent Credit Status

Students who transfer to a public secondary school from a non-inspected private school or from a school outside of Ontario are granted equivalent credits by the principal upon registration. The principal will determine the total credit equivalency of the student's previous learning, and the number of compulsory and optional credits still to be earned. The equivalency status will be recorded on the Ontario Student Transcript.

COURSE CODES AND TITLES SUMMARY FOR 2017 - 2018

LEGEND

1 = Grade 9
2 = Grade 10
3 = Grade 11
4 = Grade 12

GRADE 9-10

D = Academic
P = Applied
L = Locally Developed
O = Open

GRADE 11-12

U = University Preparation
C = College Preparation
M = University/College Preparation
E = Employment Workplace Preparation
O = Open

THE ARTS

AMU 10 Music
AMU 20 Music
AMG 20 Guitar
AWQ 20 Digital Photography
AMG 30 Guitar
AWQ 30 *Introduction to Digital Photography- e-learning FFHS Semester 1 & 2*
AMU 30 Music

BUSINESS STUDIES

BBI 20 Introduction to Business
BAF 3M *Financial Accounting Fundamentals- e-learning- Semester 1*
BDI 3C Entrepreneurship: The Venture
BTA 3O *Information and Communications Technology: The Digital Environment - e-learning – (2018-19)*
BOH 4M *Business Leadership: Management Fundamentals- e-learning – Semester 2*

CANADIAN AND WORLD STUDIES

Geography

CGC 1D Issues in Canadian Geography
CGC 1P Issues in Canadian Geography
CGG 3O Travel and Tourism: A Geographical Perspective (Dual Credit)
CGR 4M Environment and Resource Management) Dendrology, Wildlife and Natural Resources Technology
CGT 3O Introduction to Spatial Technologies
CGO 4M Spatial Technologies in Action
CGW 4UE World Issues- *e-learning- Fort Frances*

COMPUTERS

ICS 3CE Introduction to Computer Programming- *e-learning- Rainy River*

INTERDISCIPLINARY STUDIES

IDC 4O Fisheries, Wetland Management, and Natural Resources Technology

History

CHC 2D Canadian History since World War I
CHC 2P Canadian History since World War I
CHC 2L Canadian History
CHV 2O Civics and Citizenship (1/2 credit)
CHW 3M World History to the end of the 15th Century
CLU 3ME Understanding Canadian Law – *e-learning- Sem 1*
CLN 4UE Canadian and International Law– *e-learning- (Rotation 2018-19)*
CHY 4U World History since the 15th Century
CHY 4C World History since the 15th Century

ENGLISH

ENG 1D English ENG 1P English ENG 1L English
ENG 2D English ENG 2P English ENG 2L English
ENG 3U English ENG 3C English ENG 3E English
ENG 4U English ENG 4C English ENG 4E English
OLC 4O Ontario Secondary School Literacy Course

FRENCH

FSF 1D French
FSF 1P French
FSF 2D French
FSF 3U French
FSF 4U French

GUIDANCE AND CAREER EDUCATION

GLC 20 Career Studies (1/2 credit)
GLD 20 Discovering the Workplace

HEALTH AND PHYSICAL EDUCATION

PAD 30 Outdoor Activities- OUTERS (SHSM + Dual Credit)
PAD 40 Outdoor Activities-(Dual Credit)
PPL 10 Healthy Active Living Education
PPL 20 Healthy Active Living Education
PPL 30 Healthy Active Living Education
PPL 40 Healthy Active Living Education
PSK 4U Introductory Kinesiology (Rotation: Offered in 2017-18 then 2019-20)

MATHEMATICS

MPM 1D	Principles of Mathematics	MFM 1P	Foundations of Mathematics	MAT 1L	Mathematics
MPM 2D	Principles of Mathematics	MFM 2P	Foundations of Mathematics	MAT 2L	Mathematics
MCR 3U	Functions	MBF 3C	Foundations for College Mathematics	MEL 3E	Mathematics for Work and Everyday Life
MHF 4U	Advanced Functions				
MCV 4U	Calculus and Vectors				
MDM 4U	Mathematics of Data Management				
MAP 4C	Foundations for College Mathematics				

NATIVE STUDIES

NAC 10 Expressing Aboriginal Cultures (Fine Arts)

SCIENCE

SNC 1D	Science	SNC 1P	Science	SNC 1L	Science
SNC 2D	Science	SNC 2P	Science	SNC 2L	Science
SBI 3U	Biology				
SBI 3C	Biology				
SCH 3U	Chemistry				
SPH 3U	Physics				
SBI 4U	Biology				
SCH 4U	Chemistry				
SCH 4C	Chemistry				
SNC4ME	Science- e-learning				
SPH 4C	Physics				
SPH 4UE	Physics e-learning-FFHS- Semester 2				

SOCIAL SCIENCES AND THE HUMANITIES

HSP 3M Introduction to Anthropology, Psychology & Sociology (Rotation: 2018-2019)
HSC 4ME World Cultures e-Learning RRHS- Sem 1

TECHNOLOGICAL EDUCATION

TCJ 20 Construction Technology
TFJ 20 Hospitality and Tourism (Foods)
TFJ 3C Hospitality- Dual credit through Confederation College (SHSM)
TFR 4C Culinary Arts and Management (Foods)- (SHSM)
TCJ 3C Construction Engineering Technology
TCJ 4C Construction Technology
TDJ 3M Technological Design
TDJ 4O Technological Design in the Twenty-first Century
TTJ 2O Transportation Technology
TTJ 3C Transportation Technology
TTJ 4E Transportation Technology
TWJ4E Custom Woodworking

CO-OPERATIVE EDUCATION

Co-op Career Exploration
OYAP Ontario Youth Apprenticeship Program

GRADE 9 & 10 PROGRAM INFORMATION

TYPES OF COURSES IN GRADE 9 & 10:

In disciplines such as the arts, healthy active living, technology, and business studies all students will take the same type of course called an **open course**. In the core subjects, students will choose between different types of courses – **academic, applied or locally developed**. Core courses for grade 9 and 10 are: English, Mathematics, Science, French, Geography and History.

Academic Courses

In an academic course, students will learn the essential concepts of a subject and explore related material as well. Although knowledge and skills in the subject will be developed through both theory and practical applications, the emphasis will be on theory and abstract thinking as a basis for future learning and problem solving. Students in the academic program should be self directed learners willing to complete homework. Report card learning skills should be at the good or excellent level and students should be working consistently at a level 3 or above.

Applied Courses

An applied course covers the essential concepts of a subject. Knowledge and skills will be developed through both theory and practical applications, but the focus will be on practical applications. In applied courses, familiar, real-life situations will be used to illustrate ideas, and more opportunities will be given to experience hands-on applications of the concepts studied. Students in this program are generally more dependent learners that require greater direction and support from the teacher.

Open Courses

Some subjects only offer courses at the Open level. These courses are open to any student to take. They are designed to prepare students for further study in a subject and to enrich their education generally. Open courses have a set of expectations that are appropriate for all students.

Locally Developed Courses

These courses may be offered to students who have experienced significant difficulties in previous study. These courses provide an opportunity to obtain sufficient background and skill development to prepare students for “Workplace Preparation” courses.

Explanation of Course Codes

Each course has a five character identification code. The first three characters refer to the subject, the fourth character refers to the grade or level of proficiency and the fifth character refers to the type of course.

D - Academic	e.g. SNC1P is Grade 9 Applied Science
P - Applied	SNC - Science
O - Open	1 - Grade 9
L – Locally Developed	P - Applied

Transfer Courses

The purpose of transfer courses is to enable students who alter their post secondary plans to transfer from one type of course to another between grades 10, 11, and 12. Transfer courses are designed to provide the knowledge and skills required to bridge the gap between two courses of different types. In most cases, transfer courses are shorter and more focussed than other types of courses, and can be delivered in a variety of ways.

Prerequisites

In order to accomplish outcomes and objectives, many courses are studied in a prescribed sequence. Certain skills are learned in earlier work which are required to understand more advanced work. This is particularly true in studying Languages, Mathematics, Science and Canadian and World Studies. Students must be successful in the prerequisite course prior to being admitted into courses at a higher level. ***All prerequisites are listed in bold and italics in the Course Descriptions.***

Crossover Materials - When a student plans to switch from one course type in Grade 9 to the other Grade 10 in the same subject, the student will be strongly encouraged to successfully complete additional course work. Up to 30 hours of work, as defined by the Ministry of Education, is required in order to demonstrate achievement of the learning expectations that are included in the one Grade 9 course and not the other.

COURSE DESCRIPTIONS AND PREREQUISITES

Parents and students can access course outlines and all Ontario Curriculum Policy documents on the Ministry of Education website: www.edu.gov.on.ca

GRADE 10

ARTS

AMG 20 Guitar, Grade 10, Open

This course emphasizes performance of music at an intermediate level that strikes a balance between challenge and skill. Student learning will include participating in creative activities and listening perceptively. Students will also be required to develop a thorough understanding of the language of music, including the elements, terminology, and history.

AMU 20 Music, Grade 10, Open

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

AWQ 20 PHOTOGRAPHY, Grade 10, Open

This course focuses on studio activities in one or more of the VISUAL arts. Students will create art works that explore a wide range of subject matter and will evaluate art works providing grounds for their aesthetic judgments. They will also examine historical and cultural contexts of Western art (including Canadian art) and art from various world cultures to support their study of the medium of photography. This course is designed to introduce and develop skills and knowledge in photographic processes. This course is recommended as a skills and portfolio generating course.

CANADIAN & WORLD STUDIES

HISTORY

CHC 2D CANADIAN HISTORY SINCE WORLD WAR I, Grade 10, Academic

This course explores social, economic, and political developments and events and their impact on the lives of different groups in Canada since 1914. 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. They will develop their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating key issues and events in Canadian history since 1914.

CHC 2P CANADIAN HISTORY SINCE WORLD WAR I, 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. Students will explore interactions between various communities in Canada as well as contributions of individuals and groups to Canadian heritage and identity. Students will 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.

CHC 2L CANADIAN HISTORY SINCE WORLD WAR I, Grade 10, Locally Developed

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. Students will explore interactions between various communities in Canada as well as contributions of individuals and groups to Canadian heritage and identity. Students will 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.

CHV 20 CIVICS AND CITIZENSHIP, Grade 10, Open, half credit

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

ENGLISH

ENG 2D 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: English, Grade 9, Academic or Applied**

ENG 2L ENGLISH, Grade 10, Locally Developed

In this course, students focus on extending their literacy and communication skills to prepare for success in their daily lives, in the workplace, and in the English, Grade 11, Essential Workplace Preparation Course. The course is organized to extend listening and talking skills, reading and viewing skills, and writing skills. The focus is on refining foundational literacy skills and in using language clearly and accurately in a variety of authentic contexts. Students build on their strategies and engage in the processes involved in talking, listening, reading, viewing, writing, and thinking and reflect regularly upon their growth in these areas.

ENG 2P 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: English, Grade 9, Academic or Applied

FRENCH**FSF 2D FRENCH, Grade 10, Academic**

This course enables students to increase their knowledge of the French language, further develop their language skills, and deepen their understanding and appreciation of francophone culture around the world. Exploring a variety of themes, students will develop and apply critical thinking skills in discussion, in their analysis and interpretations of texts, and in their own writing. *Prerequisite: French, Grade 9 Academic or Applied*

GUIDANCE & CAREERS**GLC 20 CAREER STUDIES, Grade 10, Open**

This course teaches students how to develop and achieve personal goals for future learning, work, and community involvement. Students will assess their interests, skills, and characteristics and investigate current economic and workplace trends, work opportunities, and ways to search for work. The course explores 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.

MATHEMATICS**MAT 2L MATHEMATICS, Grade 10, Locally Developed**

This course emphasizes the extension of mathematical knowledge and skills to prepare students for success in their everyday lives, in the workplace and in the Mathematics, Grade 11 and 12, Workplace Preparation Courses. The course is organized by three strands related to money sense, measurement, and proportional reasoning. In all strands, the focus is on strengthening and extending key foundational mathematical concepts and skills by solving authentic, everyday problems. Students have opportunities to extend their mathematical literacy and problem-solving.

MFM 2P FOUNDATIONS OF MATHEMATICS, Grade 10, Applied

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

Prerequisite: *Grade 9 Mathematics, Academic or Applied*

MPM 2D 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 explore quadratic relationships and their applications; solve and apply linear systems; verify properties of geometric figures using analytic geometry; and investigate the trigonometry of right and acute triangle. Students will reason mathematically as they solve multi-step problems and communicate their thinking.

Prerequisite: *Grade 9 Mathematics, Academic or Applied*

HEALTH AND PHYSICAL EDUCATION**PPL 2O HEALTHY ACTIVE LIVING EDUCATION, Grade 10, Open**

This course emphasizes regular participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Student learning will include the application of movement principles to refine skills; participation in a variety of activities that enhance personal competence, fitness, and health; examination of issues related to healthy sexuality, healthy eating, substance use and abuse; and the use of informed decision-making, conflict resolution, and social skills in making personal choices.

SCIENCE**SNC 2D SCIENCE, Grade 10, Academic**

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

Prerequisite: *Science, Grade 9, Academic or Applied*

SNC 2P SCIENCE - Grade 10, Applied

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

Prerequisite: *Science, Grade 9, Academic or Applied*

SNC 2L SCIENCE - Grade 10, Locally Developed

This course emphasizes reinforcing and strengthening science-related knowledge and skills, including scientific inquiry, critical thinking, and the environmental impact of science and technology, to prepare students for success in everyday life, in the workplace and in the Science Grade 11 Essential Workplace Preparation course. Students explore a range of topics including science in the media, interactions of common materials, interdependence of organisms in communities, and using electrical energy. Students have the opportunity to extend mathematical and scientific process skills and to continue developing their skills in reading, writing, and oral language through relevant and practical science activities

TECHNOLOGICAL EDUCATION**TCJ201 CONSTRUCTION TECHNOLOGY**

This course introduces students to building materials and processes through opportunities to design and build various construction projects. Students will learn to create and read working drawings; become familiar with common construction materials, components, and processes; and perform a variety of fabrication, assembly, and finishing operations. They will use a variety of hand and power tools and apply knowledge of imperial and metric systems of measurement, as appropriate. Students will develop an awareness of environmental and societal issues related to construction technology, and will explore secondary and postsecondary pathways leading to careers in the industry. **Prerequisite: None**

TFJ201 HOSPITALITY AND TOURISM (Foods)

This course provides students with opportunities to explore different areas of hospitality and tourism, as reflected in the various sectors of the tourism industry, with an emphasis on food service. Students will study culinary techniques of food handling and preparation, health and safety standards, the use of tools and equipment, the origins of foods, and event planning, and will learn about tourism attractions across Ontario. Students will develop an awareness of related environmental and societal issues, and will explore secondary and postsecondary pathways leading to careers in the tourism industry.

Prerequisite: None

TTJ 20 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

GRADE 11 AND 12 PROGRAM INFORMATION

TYPES OF COURSES IN GRADE 11 & 12 COURSES:

NOTE: *College and universities have specific subject requirements to gain entry. Check these requirements carefully with your Guidance Counsellor.*

University preparation courses are designed to equip students with the knowledge and skills they need to meet the entrance requirements for university programs.

University/college preparation courses are designed to equip students with the knowledge and skills they need to meet the entrance requirements for specific programs offered at universities and colleges.

College preparation courses are designed to equip students with the knowledge and skills they need to meet the requirements for entrance to most college programs or for admission to apprenticeship or other training programs.

Workplace preparation courses are designed to equip students with the knowledge and skills they need to meet the expectations of employers, if they plan to enter the workplace directly after graduation, or the requirements for admission to certain apprenticeship or other training programs.

Open courses are designed to broaden students' knowledge and skills in subjects that reflect their interests and to prepare them for active and rewarding participation in society. They are not designed with the specific requirement of universities, colleges, or the workplace in mind.

EXPLANATION OF COURSE CODES FOR GRADE 11 & 12

The subject code has 5 or 6 characters - 3 letters (subject code), 1 digit (grade level), 1 letter (level of instruction) and an optional letter "C" for a co-operative education course, "S" for single credit technology courses, "D" for double credit technology course, "F" for en Français.

U -	University preparation	i.e.	SPH3U is Grade 11 Physics (University Preparation)
M -	University/college preparation		SPH - Physics
C -	College preparation		3 - Grade 11
E -	Workplace Preparation		U - University Preparation
O -	Open		

Course Profiles are available on the Internet at www.curriculum.org

E-LEARNING COURSES

Atikokan High School, Fort Frances High School, and Rainy River High School are offering a number of different courses that students can take through e-learning. These courses are offered **completely online** and students do all assignments on a computer. Although a teacher in the Board is assigned to each course, the students are not necessarily in the room with the teacher offering the course. Each course is part of a student's timetable, and there is a location at the school from which the student must work

If you are considering taking an e-learning course, you need to be familiar with the following:

- a. Any student taking an e-learning course should have access to a computer after school hours. The computer needs to have the ability to work in the software required by the course. Students need to be comfortable with working on a computer. Computers are available at the school in the library and alternative education room.
- b. Students need to understand that they will need to do homework in these courses if they hope to keep up with the course.
- c. Students need to be able to set a work schedule for themselves that involves at least 60-75 minutes each school day, with the understanding that, depending on the course, they may have to do 30 minutes or more of homework most nights.
- d. Students need to be able to work unsupervised and have the ability to problem solve for themselves. Sometimes, the teacher in charge of the course will not be available at the same time that the student is working on the course. As such, feedback on questions is not instantaneous and students will need to work on other parts of the course while they wait for help or further instructions from their teacher.
- e. Students should have strong reading skills. Although many courses involve video components, hands on activities and audio feeds, much of the course is in written form. Students will have to read many notes, background information, instructions, etc. so that they can complete the activities that make up each unit.
- f. E-learning courses pose different challenges than a regular class, but have the advantage of being offered in all periods and draw on teacher expertise across the Board. Students need to be willing to rise to the challenge to complete the course. It can be very rewarding to complete a course through e-learning, but the courses are demanding and aren't necessarily for every student. If you are considering taking a course through this method, ask questions of your guidance counsellor to make sure that you can be successful.

The following courses may be offered through e-learning in 2017-2018:

AWQ 30E	Digital Photography- Fort Frances
BAF 3ME	Financial Accounting Fundamentals- Semester 1- Fort Frances
BOH 4ME	Business Leadership: Management Fundamentals- Sem 2-Atikokan
CLU 3ME	Understanding Canadian Law- Semester 1- Atikokan
CGW 4UE	World Issues- Fort Frances
HSC 4ME	World Cultures- Rainy River- Sem. 1
ICS 3CE	Introduction to Computer Programming- Rainy River- Sem 1.
SPH 4UE	Physics- Semester 2- Fort Frances

Course offerings will be finalized after the receipt of option sheets. This mode of course delivery offers students the opportunity to take courses that would not be offered due to low enrolment or conflict with other courses the

students need.

STUDENT SUCCESS INITIATIVES

DUAL CREDITS

All students deserve a good outcome from their high school experience. Dual credit programs provide opportunities for high school students to receive high school credits and college credits concurrently. Dual credit programs allow students to “reach ahead” and experience success in a Confederation College credit course while still in high school. Industry recognized certifications are an integral component of dual credit programs. These courses provide students with a clear pathway to college programs or the world of work. This program is supported by the Ministry of Education through the School College Work Initiative and is one of the Six Ways to Succeed in High School.

PAD 40 OUTDOOR ACTIVITIES, Grade 12, Open

This course focuses on the participation in a variety of outdoor activities that have the potential to engage students’ interest throughout their lives with the acquisition of basic survival skills and various activity skill developments. Students will be provided with the opportunity to learn about leadership techniques, group dynamics and communication, organization and planning, responsibility, problem-solving and resourcefulness, while acquiring specific outdoor recreation and survival skills. The goal of experiential learning is to develop self-confidence through a variety of hands-on activity based experiences that will allow students to observe and understand the relationships and human influences in the natural world.

RL 130 Activity Leadership I (Confederation College Credit with PAD 40)

Prerequisite: Approval by administration

The student will be able to provide direct leadership to participants involved in a variety of seasonal recreation activities. The emphasis of the course is to help students develop leadership qualities and introduce community resources which can be accessed for program development or personal leisure pursuits.

This course will be taught by an AHS teacher in collaboration with a college instructor. Students that successfully complete this course will earn both a high school credit and a Confederation College credit.

CGG 30 TRAVEL AND TOURISM: A GEOGRAPHICAL PERSPECTIVE, Grade 11, Open

This course focuses on issues related to travel and tourism within and between various regions of the world. Students will investigate unique environmental, sociocultural, economic, and political characteristics of selected world regions. They will explore travel patterns and trends as well as tensions related to tourism, and will predict future tourism destinations. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate the impact of the travel industry on natural environments and human communities.

Prerequisite: Canadian Geographic Issues, Grade 9, Academic or Applied

SPECIALIST HIGH SKILLS MAJOR (SHSM)

This specialized program is designed for senior level students that have a career path in mind that matches their interests and skills. Each major consists of a bundle of 8-10 courses; as well as compulsory and optional industry recognized certifications. The five core components of a high skills major are: specialized bundle of required courses with contextualized learning activities, sector specific certifications, experiential learning opportunities, “reach ahead” opportunities, and development of essential skills and work habits using the Ontario Skills Passport (OSP).

This program is open to all students. Benefits of this program are it allows students to see the connection between school and post secondary studies or the workplace. It provides them with opportunities to begin networking with potential employers while still in high school. Students who enroll then choose not to complete the SHSM are able to use the credits obtained while in the SHSM towards their OSSD requirements. This program is supported by the Ministry of Education and is one of the Six Ways to Succeed in High School.

Atikokan High School will be offering a SHSM in the Environment sector for 2014-2015. Below is the bundle of courses required to achieve the SHSM upon graduation, in each pathway.

ENVIRONMENTAL

Categories of Required Credits	Apprenticeship Training Destination		College Destination		Workplace Destination		University Destination	
	Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12
Major Credits Any two of the following:	CGT 3O NBV3E SBI 3C SNV 3E	CGR 4E SCH 4C	CGF 3M SBI 3C	CGO 4M SCH 4C CGR 4M	CGG 3O CGT 3O PAD 3O SVN 3E	CGR 4E PAD 4O	CGF 3M SBI 3U PAD 3O SCH 3U	CGR 4M SBI 4U CGO 4M SCH 4U
English	ENG 3C	ENG 4C	ENG 3C	ENG 4C	ENG 3E	ENG 4E	ENG 3U	ENG 4U
Math	MEL 3E MBF 3C		MBF 3C		MEL 3E		MCR 3U	
Co-operative Education Credits	2 credits in either gr. 11 or 12		2 credits in either gr. 11 or 12		2 credits in either gr. 11 or 12		2 credits in either gr. 11 or 12	
Total # of credits Required for Environment Major	9		9		9		9	

HOSPITALITY

Categories of Required Credits	Apprenticeship Training Destination		College Destination		Workplace Destination		University Destination	
	Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12	Grade 11	Grade 12
Major Credits Any two of the following:	TFJ3C	TFR4C	TFJ3C	TFR4C	TFJ3C BMX3E	TFR4C	TFJ3C	TFR4C BOH 4M CGW4U
English	ENG 3C	ENG 4C	ENG 3C	ENG 4C	ENG 3E	ENG 4E	ENG 3U	ENG 4U
Math	MEL 3E MBF 3C		MBF 3C		MEL 3E		MCR 3U	
Co-operative Education Credits	2 credits in either gr. 11 or 12		2 credits in either gr. 11 or 12		2 credits in either gr. 11 or 12		2 credits in either gr. 11 or 12	
Total # of credits Required for Environment Major	9		9		9		9	

These are the recommend pathway courses for students enrolled in the SHSM. Please note that a student may use major courses from other pathways in order to meet the major credit requirement of the SHSM.

GRADE 11 AND 12**ARTS**

AMG 30 **Music Guitar, Grade 11, Open**
Guitar

AMU 30 **Music, Grade 11, Open**

This course develops students' musical literacy through performance and the preparation and presentation of music productions. Students will perform works at a level consistent with previous experience. Independently and collaboratively, students will use current technology and the creative and critical analysis processes to plan, produce, present, and market musical productions. Students will respond to, reflect on, and analyse music from various genres and periods, and they will develop skills transferable to other aspects of their life and their careers.

BUSINESS STUDIES

BDI 3C1 **Entrepreneurship, Grade 11, College Preparation**

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.

BAF 3ME FINANCIAL ACCOUNTING FUNDAMENTALS, Grade 11, University/College Preparation

This course introduces students to the fundamental principles and procedures of accounting. Students will develop financial analysis and decision-making skills that will assist them in future studies and/or career opportunities in business. Students will acquire an understanding of accounting for a service and a merchandising business, computerized accounting, financial analysis, and current issues and ethics in accounting.

This course will be offered as an e-learning course. See page 24

BOH 4ME BUSINESS LEADERSHIP: MANAGEMENT FUNDIMETALS, Grade 12, University/College Preparation

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

BTA 30X INFORMATION AND COMMUNICATION TECHNOLOGY: THE DIGITAL ENVIRONMENT, Grade 11, Open

This course prepares students for the digital environment. Using a hands-on approach, students will further develop information and communication technology skills through the use of common business software applications. The concept and operation of e-business will be explored, and students will design and create an e-business website. The skills developed in this course will prepare students for success in the workplace and/or postsecondary studies.

This course will be offered as an e-learning course 2016-17. See page 24.

COMPUTERS

ICS 3CE INTRODUCTION TO COMPUTER PROGRAMMING, Grade 11, College, College Prep.

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

CANADIAN & WORLD STUDIES

GEOGRAPHY

CGG 30 TRAVEL AND TOURISM: A GEOGRAPHICAL PERSPECTIVE, Grade 11, Open (DUAL CREDIT)

This course focuses on issues related to travel and tourism within and between various regions of the world. Students will investigate unique environmental, sociocultural, economic, and political characteristics of selected world regions. They will explore travel patterns and trends as well as tensions related to tourism, and will predict future tourism destinations. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate the impact of the travel industry on natural environments and human communities.

Prerequisite: Canadian Geographic Issues, Grade 9, Academic or Applied

This course will be taught by an AHS teacher in collaboration with a college instructor. Students that successfully complete this course will earn both a high school credit and a Confederation College credit.

CGT 30 INTRODUCTION TO SPATIAL TECHNOLOGY, Grade 11, Open

This course enables students to develop practical skills associated with spatial technologies and to investigate related career opportunities. Students will develop their ability to use geographic information systems (GIS), global positioning systems (GPS), and remote sensing technologies. They will apply the concepts of geographic thinking and the geographic inquiry process when conducting fieldwork, collecting and organizing data, and analysing spatial images such as maps and aerial photographs. Throughout the course, students' local context is emphasized.

CGO 4M SPATIAL TECHNOLOGIES IN ACTION, Grade 12, University/College Prep

This course provides a foundation for students who wish to pursue a career that requires the ability to use computer-based spatial technologies. Students will analyse and propose solutions to real-life issues related to spatial organization, such as determining transportation routes, the most appropriate location for community services, or potential conservation and preservation areas. Students will extend their ability to use geographic information systems (GIS), global positioning systems (GPS), and remote sensing and to create maps, charts, and graphs. Students will apply the concepts of geographic thinking and the geographic inquiry process to investigate various issues related to spatial organization.

Pre-requisite: Any U, U/C, or C preparation course in Canadian and World Studies, English, or Social Sciences and Humanities

CGR 4M ENVIRONMENT AND RESOURCE MANAGEMENT, Grade 12, University/College Prep

This course explores interactions between the natural and human environment, with a particular focus on the impact of human activity on various ecosystems. Students will explore resource management and sustainability practices, as well as related government policy and international protocols. Applying the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, students will investigate the relationship between people and the natural environment and will propose approaches for developing more sustainable relationships, including environmentally responsible actions that support stewardship.

Pre-requisite: Any U, U/C, or C preparation course in Canadian and World Studies, English, or Social Sciences and Humanities

Dendrology, Wildlife and Natural Resources Technology

This course will blend a local Natural Resources Technology theme with hands-on practical work into the interdisciplinary studies curriculum. It involves the study of a number of disciplines which are an integral part of northern life. Students will be actively engaged in their learning as emphasis will be given to practical research techniques and hands on experience. Students will learn about key components of the north's economy, ecology and culture by studying the following: dendrology, wildlife biology and management, photography, taxidermy, forest inventory and mapping, snow ecology, etc.

HISTORY

CHY 4U WORLD HISTORY SINCE THE 15th CENTURY, Grade 12, University

This course traces major developments and events in world history since approximately 1450. Students will explore social, economic, and political changes, the historical roots of contemporary issues, and the role of conflict and cooperation in global interrelationships. They will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, as they investigate key

issues and assess societal progress or decline in world history.

Prerequisite: *Any U, C, or M course in Canadian and World Studies, English, or Social Sciences and Humanities*

CHY 4C WORLD HISTORY SINCE THE 15th CENTURY, Grade 12, College

This course explores key developments and events in world history since approximately 1450, with a focus on interactions within and between various regions. Students will examine social, economic, and political developments and how they have affected different peoples. Students will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating key turning points in world history and historical forces that have shaped our world.

Prerequisite: *Any U, C, or M course in Canadian and World Studies, English, or Social Sciences and Humanities*

LAW

CLU 3ME UNDERSTANDING CANADIAN LAW, Grade 11,

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 rights and freedoms in Canada, our legal system, and family, contract, employment, tort, and criminal law. Students will use case studies and apply the concepts of legal thinking and the legal inquiry process to develop legal reasoning skills and to formulate and communicate informed interpretations of legal issues, and they will develop the ability to advocate for new laws.

Prerequisite: *Canadian History since World War I, Grade 10, Academic or Applied. This course may be offered as an e-learning course. See page 24. Offered 2017-2018*

CLN 4U CANADIAN AND INTERNATIONAL LAW, Grade 12 ,University Preparation

This course explores a range of contemporary legal issues and how they are addressed in both Canadian and international law. Students will develop their understanding of the principles of Canadian and international law when exploring rights and freedoms within the context of topics such as religion, security, cyberspace, immigration, crimes against humanity, and environmental protection. Students will apply the concepts of legal thinking and the legal inquiry process when investigating these issues in both Canadian and international contexts, and they will develop legal reasoning skills and an understanding of conflict resolution in the area of international law.

Prerequisite: *Any university or university/college preparation course in Canadian and World Studies, English, or Social Sciences and Humanities. This course may be offered as an e-learning course – see page 24.*

ENGLISH

ENG 3U ENGLISH, Grade 11, University Preparation

This course emphasizes the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyze 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 compulsory Grade 12 university or college preparation course.

Prerequisite: *English, Grade 10, Academic*

ENG 3C ENGLISH, Grade 11, College Preparation

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: English, Grade 10, Applied

ENG 3E ENGLISH, Grade 11, Workplace Preparation

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: English, Grade 10, Applied or English, Grade 10, Locally Developed

ENG 4U ENGLISH, Grade 12, University Preparation

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 analyze 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: English, Grade 11, University Preparation

ENG 4C ENGLISH, Grade 12, College Preparation

This course emphasizes the consolidation of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyze 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: English, Grade 11, College Preparation

ENG 4E ENGLISH, Grade 12, Workplace Preparation

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 analyze 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: English, Grade 11, Workplace Preparation

OLC 40 ONTARIO SECONDARY SCHOOL LITERACY COURSE

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, informational paragraphs, opinion pieces, and news reports. Students will also maintain and manage a portfolio containing a record of their reading experiences and samples of their writing.

Eligibility: Students who have been eligible to write the OSSLT at least twice and who have been unsuccessful at least once are eligible to take the course. (Students who have already met the literacy requirements for graduation may be eligible to take the course under special circumstances, at the discretion of the principal.)

FRENCH

FSF3U FRENCH

This course draws on a broad theme, such as leisure activities, to develop oral communication, reading, and writing skills. Students will give presentations, read a selection of short stories and articles, and produce a variety of written assignments. The use of correct grammar and appropriate language conventions in both spoken and written French will be emphasized throughout the course.

Prerequisite: Core French, Grade 10, Academic

FSF4U FRENCH

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

Prerequisite: Core French, Grade 11, Academic

HEALTH AND PHYSICAL EDUCATION

FEMALE/MALE

PAD 30 OUTDOOR ACTIVITIES – OUTERS, Grade 11, Open

An outdoor adventure programme designed to present physical and emotional challenge beyond what the average individual encounters in everyday experiences. The purpose of this program is to develop confidence and reliance in oneself, while at the same time demonstrating the importance of creating strong interpersonal relationships and a teamwork approach toward overcoming adversity. (SENIOR LEVEL ONLY)

PPL 30 HEALTHY ACTIVE LIVING EDUCATION, Grade 11, Open

This course focuses on the development of a healthy lifestyle and participation in a variety of enjoyable physical activities that have the potential to engage students' interest throughout their lives. Students will be encouraged to develop personal competence in a variety of movement skills and will be given opportunities to practise goal-setting, decision-making, social and interpersonal skills. Students will also study the components of healthy relationships, reproductive health, mental health, and personal safety.

PAD 40 OUTDOOR ACTIVITIES, Grade 12, open (DUAL CREDIT)

This course focuses on the participation in a variety of outdoor activities that have the potential to engage students' interest throughout their lives with the acquisition of basic survival skills and various activity skill developments. Students will be provided with the opportunity to learn about leadership techniques, group dynamics and communication, organization and planning, responsibility, problem-solving and resourcefulness, while acquiring specific outdoor recreation and survival skills. The goal of experiential learning is to develop self confidence through a variety of hands-on activity based experiences that will allow students to observe and understand the relationships and human influences in the natural world.

RL 130 Activity Leadership I (Confederation College Credit with PAD 40)

Prerequisite: Approval by administration

The Dual Credit is applicable to all Ontario Colleges. Student should take transcript to Admissions to have the credit recognized.

The student will be able to provide direct leadership to participants involved in a variety of seasonal recreation activities. The emphasis of the course is to help students develop leadership qualities and introduce community resources which can be accessed for program development or personal leisure pursuits.

This course will be taught by an AHS teacher in collaboration with a college instructor. Students that successfully complete this course will earn both a high school credit and a Confederation College credit.

PPL 40 HEALTHY ACTIVE LIVING EDUCATION, Grade 12, Open

This course focuses on the development of a personalized approach to healthy active living through participation in a variety of sports and recreational activities that have the potential to engage students' interest throughout their lives. Students will develop and implement personal physical fitness plans. In addition, they will be given opportunities to refine their decision-making, conflict-resolution, and interpersonal skills, with a view to enhancing their mental health and their relationships with others.

To cover the rental of community facilities for the Grade 11 and 12 program, nominal fees will be collected from each student at the beginning of the units involved. Time requirements may be extended slightly to make the use of community facilities worthwhile.

PSK 4U INTRODUCTORY KINESIOLOGY, Grade 12, University Preparation

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

Prerequisite: Any Grade 11 university or university/college preparation course in science, or any Grade 11 or 12 course in health and physical education

This course may be offered in 2017-2018 and every second year thereafter depending on enrolment.

INTERDISCIPLINARY STUDIES

IDC 40 INTERDISCIPLINARY STUDIES, Grade 12, Open

This course will blend a local Natural Resources Technology theme with hands-on practical work into the interdisciplinary studies curriculum.

Fisheries, Wetland Management and Natural Resources Technology (Semester 2)

This course will blend a local Natural Resources Technology theme with hands-on practical work into the interdisciplinary studies curriculum. IDC40 - **NRT** incorporates the study of a number of different disciplines. Emphasis will be on how each discipline is related/interconnected on a local and global scale. Students will be actively engaged in a variety of different research techniques used in the different disciplines of the course. Students will also learn about and get experience with numerous career possibilities which stem from the course content. Students will be working in the following fields: biology, ornithology, horticulture, fisheries, forestry, bathymetry, taxidermy, photography, tourism, entrepreneurship, aviation, and fire-fighting.

Prerequisite: None

MATHEMATICS

MCR 3U FUNCTIONS, Grade 11, University Preparation

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; and develop facility in simplifying polynomial and rational expressions. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

Prerequisite: Principles of Mathematics, Grade 10, Academic

MBF 3C FOUNDATIONS FOR COLLEGE MATHEMATICS, Grade 11, College Preparation

This course enables students to broaden their understanding of mathematics as a problem-solving tool in the real world. Students will extend their understanding of quadratic relations, as well as of measurement and geometry; investigate situations involving exponential growth; solve problems involving compound interest; solve financial problems connected with vehicle ownership; and develop their ability to reason by collecting, analyzing, and evaluating data involving one and two variables. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

Prerequisite: Foundations of Mathematics, Grade 10, Applied

MEL 3E MATHEMATICS FOR WORK AND EVERYDAY LIFE, Grade 11, Workplace Preparation

This course enables students to broaden their understanding of mathematics as it is applied in the workplace and daily life. Students will solve problems associated with earning money, paying taxes, and making purchases; apply calculations of simple and compound interest in saving, investing, and borrowing; and calculate the costs of transportation and travel in a variety of situations. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

Prerequisite: Principles of Mathematics, Grade 9, Academic; or Foundations of Mathematics, Grade 9, Applied; or Mathematics, Grade 10, Locally Developed

MCV 4U CALCULUS AND VECTORS, Grade 12, University Preparation

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, rational, exponential, and sinusoidal functions; and apply these concepts and skills to the modeling 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 plan to study mathematics in university and who may choose to pursue careers in fields such as physics and engineering.

Prerequisite: Advanced Functions, Grade 12, University Preparation.

Note: In some schools, it may be necessary to take the prerequisite course concurrently with MCV4U.

MDM 4U MATHEMATICS OF DATA MANAGEMENT, Grade 12, University Preparation

This course broadens students' understanding of mathematics as it relates to managing data. Students will apply methods for organizing large amounts of information; solve problems involving probability and statistics; and carry out a culminating project 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: Functions and Applications, Grade 11, University/College Preparation, or Functions, Grade 11, University Preparation

MHF 4U ADVANCED FUNCTIONS, Grade 12, University Preparation

This course extends students' experience with functions. Students will investigate the properties of polynomial, rational, logarithmic, and trigonometric 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 who plan to study mathematics in university and for those wishing to consolidate their understanding of mathematics before proceeding to any one of a variety of university programs.

Prerequisite: Functions, Grade 11, University Preparation, or Mathematics for College Technology, Grade 12, College Preparation

MAP 4C FOUNDATIONS FOR COLLEGE MATHEMATICS, Grade 12, College Preparation

This course enables students to broaden their understanding of real-world applications of mathematics. Students will analyze data using statistical methods; solve problems involving applications of geometry and trigonometry; simplify expressions; and solve equations. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for college programs in areas such as business, health sciences, and human services, and for certain skilled trades.

Prerequisite: Foundations for College Mathematics, Grade 11, College Preparation

SCIENCE

SBI 3U BIOLOGY, Grade 11, University Preparation

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

Prerequisite: Science, Grade 10, Academic

SBI 3C BIOLOGY, Grade 11, College Preparation

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

Prerequisite: Science, Grade 10, Academic or Applied

SCH 3U CHEMISTRY, Grade 11, University Preparation

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

Prerequisite: Science, Grade 10, Academic

SPH 3U PHYSICS, Grade 11, University Preparation

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

Prerequisite: Science, Grade 10, Academic

SBI 4U BIOLOGY, Grade 12, University Preparation

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

Prerequisite: Biology, Grade 11, University Preparation

SNC 4ME SCIENCE, Grade 12, University/ College Preparation

This course enables students, including those pursuing postsecondary programs outside the sciences, to increase their understanding of science and contemporary social and environmental issues in health-related fields. Students will explore a variety of medical technologies, pathogens and disease, nutritional science, public health issues, and biotechnology. The course focuses on the theoretical aspects of the topics under study and helps refine students' scientific investigation skills.

Prerequisite: Science, Grade 10, Academic, or any Grade 11 university, university/college, or college preparation course in science.

SCH 4U CHEMISTRY, Grade 12, University Preparation

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

Prerequisite: Chemistry, Grade 11, University Preparation

SCH 4C CHEMISTRY, Grade 12, College Preparation

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

SPH 4UE PHYSICS, Grade 12, University Preparation

This course enables students to deepen their understanding of the concepts and theories of physics. Students will explore further the laws of dynamics and energy transformations, and will investigate electrical, gravitational, and magnetic fields; electromagnetic radiation; and the interface between energy and matter. They will further develop inquiry skills, learning, for example, how the interpretation of experimental data can provide indirect evidence to support the development of a scientific model. Students will also consider the impact on society and the environment of technological applications of physics.

Prerequisite: Physics, Grade 11, University Preparation

This course may be offered as an **e-learning** course every other year **starting 2013-2014**.

SPH 4C PHYSICS, Grade 12, College Preparation

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

Prerequisite: Science, Grade 10, Academic or Applied

SOCIAL SCIENCES AND THE HUMANITIES**HSP 3U/C INTRODUCTION TO ANTHROPOLOGY, PSYCHOLOGY, AND SOCIOLOGY,
Grade 11, University/College Preparation**

This course explores the general theories, questions, assumptions, and issues that form the basis of study for anthropology, psychology, and sociology. Methods of research and approaches used by social scientists in examining topics of study will be examined and employed by students. Opportunities to explore theories from a variety of perspectives with a focus on classical and contemporary approaches used by social scientists in the three disciplines will be presented to the students. Students will be encouraged to apply these skills to a wide range of issues that impact society and to critically examine current thinking on these issues. They will also learn to develop and support a thesis, conduct research and analysis, and effectively communicate the results of their inquiries.

THE GRADE 11 HSP 3U/C : Introduction to Anthropology, Psychology and Sociology WILL BE OFFERED IN 2016-2017, AND EVERY SECOND YEAR AFTER THAT, rotating with CHW3M.

HZT 4UE PHILOSOPHIES: QUESTIONS AND THEORIES, Grade 12, University Preparation

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

TECHNOLOGICAL EDUCATION

TFJ3C1 HOSPITALITY, Grade 11, College, DUAL CREDIT (Confederation College)

This course enables students to develop or expand knowledge and skills related to hospitality and tourism, as reflected in the various sectors of the tourism industry. Students will learn about preparing and presenting food, evaluating facilities, controlling inventory, and marketing and managing events and activities, and will investigate customer service principles and the cultural and economic forces that drive tourism trends. Students will develop an awareness of health and safety standards, environmental and societal issues, and career opportunities in the tourism industry.

Prerequisite: None. However, TFJ 20 is strongly recommended by the teacher.

TFR 4C1 CULINARY ARTS AND MANAGEMENT, Grade 12, College, DUAL CREDIT (Confederation College)

This course enables students to acquire advanced cooking skills, along with the knowledge and skills needed to manage a variety of commercial food services and businesses.

TCJ 3C1 CONSTRUCTION ENGINEERING TECHNOLOGY, Grade11, College Preparation

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

TCJ 4C1 CONSTRUCTION ENGINEERING TECHNOLOGY, Grade12, College Preparation

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

TDJ 3M TECHNOLOGICAL DESIGN, Grade 11, University/College Preparation

This course provides students with opportunities to apply the principles of technological design to challenges in communications, manufacturing, electronics, transportation, architecture, industrial and consumer products, health and safety equipment, and environmental services. Students will identify user needs, estimate labour and material costs, analyse material characteristics, and illustrate design solutions, using traditional and computer-based methods. They will also acquire the basic design skills required for post-secondary studies in engineering, manufacturing, architecture, and construction.

TDJ 40 TECHNOLOGICAL DESIGN IN THE TWENTY-FIRST CENTURY, Grade12, Open

This course focuses on the relationship between society and technological development. Students will use appropriate tools, techniques, and strategies to research, design, build, and assess prototypes for products and/or processes that respond to society's changing needs. Students will describe how social factors, including culture, media, politics, religion, and environmental concerns, influence technological design. Students will also learn about professional practices in the field, and will research postsecondary pathways leading to careers related to technological design.

Prerequisite: None

TTJ 3C TRANSPORTATION TECHNOLOGY, Grade 11, Workplace

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 water craft. 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. However, TTJ 20 is strongly recommended by the teacher.

TTJ 4E TRANSPORTATION TECHNOLOGY, Grade 11, Workplace

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

Prerequisite: None

TWJ 4E1 CUSTOM WOODWORKING, Grade 12, Essential workplace preparation.

This course enables students to develop knowledge and skills related to cabinet making and furniture making. Students will gain practical experience using a variety of the materials, tools, equipment, and joinery techniques associated with custom woodworking. Students will learn to create and interpret technical drawings and will plan, design, and fabricate projects. They will also develop an awareness of environmental and societal issues related to the woodworking industry, and will explore apprenticeships, postsecondary training, and career opportunities in the field that may be pursued directly after graduation.

Visit the Atikokan High School website: www.ahs.rdsb.com



COLLEGE AND UNIVERSITY APPLICATION CENTRES & PROGRAM FINDERS

Ontario Universities Application Centre
E-Info (University program search engine)
Ontario College Application Centre and Program Search

www.ouac.on.ca
www.electronicinfo.ca
www.ontariocolleges.ca

Ontario Public University Addresses and Websites

Brock University

500 Glenridge Avenue
St. Catharines, Ontario L2S 3A1
Telephone: (905) 688-5550
Admissions: (905) 688-5550 ext. 4293
Fax: (905) 688-4283

www.brocku.ca

Carleton University

1125 Colonel By Drive
Ottawa, Ontario K1S 5B6
Admissions: (613) 520-3666 or
1-888-354-4414
Fax: (613) 520-3847

www.carleton.ca

University of Guelph

50 Stone Road East
Guelph, Ontario N1G 2W1
Telephone: (519) 824-4120 ext. 58721
Admissions: (519) 821-2130
Fax: (519) 766-9481

www.uoguelph.ca

Lakehead University

955 Oliver Road
Thunder Bay, Ontario P7B 5E1
Telephone: 1-800-465-3959
Admissions: (807) 343-8500
Fax: (807) 766-7209

www.lakeheadu.ca

Laurentian University

Ramsey Lake Road
Sudbury, Ontario P3E 2C6
Telephone: (705) 675-1151 ext. 4843 or
1-800-4761-4030
Admissions: (705) 675-1151 ext. 3905

www.laurentian.ca

Fax: (705) 675-4891

McMaster University

1280 Main Street West
Hamilton, Ontario L8S 4L8
Admissions: (905) 525-4600
Fax: (905) 527-1105

www.mcmaster.ca

Nipissing University

PO Box 5002
100 College Drive
North Bay, Ontario P1B 8L7
Telephone: (705) 474-3450 ext. 4521
Fax: (705) 495-1772

www.nipissingu.ca

Ontario College of Art & Design

100 McCaul Street
Toronto, Ontario M5T 1W1
Admissions: (416) 977-6000 ext. 310
Fax: (416) 977-6006

www.ocad.on.ca

University of Ontario Institute of Technology

2000 Simcoe Street North
Oshawa, Ontario L1H 7L7
Telephone: (905) 721-3190
Fax: (905) 721-3178

www.uoit.ca

University of Ottawa

Tabaret Hall
75 Laurier ave. E.
Ottawa, Ontario K1N 6N5
Telephone (613) 562-5700 or
1-877-868-8292
Fax: (613) 562-5323

www.uottawa.ca

Queen's University

99 University Avenue
Kingston, Ontario K7L 3N6
Telephone: (613) 533-2200

www.queensu.ca

Royal Military College

Box 17000, Station Forces
Kingston, Ontario K7K 7B4
Telephone: (613) 541-6000
Admissions: (613) 541-6000 ext. 3857

www.rmc.ca

or 1-866-762-2672

Ryerson University

350 Victoria Street
Toronto, Ontario M5B 2K3
Telephone: (416) 979-5000
Admissions: ext. 7271

www.ryerson.ca

Trent University

PO Box 4800
Peterborough, Ontario K9J 7B8
Telephone: (705) 748-1011 or
1-888-739-8885
Admissions: (705) 748-1215
Fax: (705) 748-1629

www.trentu.ca

University of Toronto

27 King's College Circle
Toronto, Ontario M5S 1A1
Admissions: (416) 978-2011

www.utoronto.ca

University of Waterloo

200 University Avenue West
Waterloo, Ontario N2L 3G1
Telephone: (519) 888-4567
Admissions: (519) 888-4567 ext. 33106

www.uwaterloo.ca

University of Western Ontario

1151 Richmond Street
London, Ontario N6A 5B8
Telephone: (519) 661-2111
Admissions: (519) 661-2100
Fax: (519) 661-3710

www.uwo.ca

University of Windsor

401 Sunset Avenue
Windsor, Ontario N9B 3P4
Telephone: (519) 253-3000
Registrar: ext. 3315
Fax: (519) 971-3653

www.uwindsor.ca

Wilfrid Laurier University

75 University Avenue West
Waterloo, Ontario N2L 3C5
Telephone: (519) 884-1970
Admissions: (519) 884-0710 ext. 3385

www.wlu.ca

Fax: (519) 747-2106

York University

4700 Keele Street
North York, Ontario M3J 1P3
Telephone: (416) 736-5000
Admissions: (416) 736-5000
Fax: (416) 736-5536

www.yorku.ca

Ontario Colleges of Applied Arts and Technology: Addresses and Websites

Algonquin College of Applied Arts and Technology

1385 Woodroffe Avenue
Ottawa, Ontario K2G 1V8
Telephone: (613) 727-4723

www.algonquincollege.com

Cambrian College of Applied Arts and Technology

1400 Barrydowne Road
Sudbury, Ontario P3A 3V8
Admissions: (705) 566-8101 ext. 7816 or
1-800-461-7145
Fax: (705) 524-7334

www.cambriancollege.on.ca

Canadore College of Applied Arts and Technology

100 College Drive
PO Box 5001
North Bay, Ontario P1B 8K9
Admissions: (705) 474-7600
Toll Free: 1-855-495-7915
Fax: (705) 474-2384

www.canadorec.on.ca

Centennial College of Applied Arts and Technology

PO Box 631, Station A
Scarborough, Ontario M1K 5E9
Telephone: (416) 289-5000 or 1-800-268-4419
Admissions: (416) 289-5300

www.centennialcollege.ca

Collège Boréal

21, boulevard LaSalle
Sudbury, Ontario P3A 6B1
Telephone: (705) 560-6673 or
1-800-361-6673
Fax: (705) 560-1511

www.collegeboreal.ca

Conestoga College Institute of Technology and Advanced Learning www.conestogac.on.ca

299 Don Valley Drive
Kitchener, Ontario N2G 4M4
Telephone: (519) 748-5220
Admissions: (519) 748-5220 ext. 3656
Fax: (519) 895-1097

Confederation College of Applied Arts and Technology www.confederationc.on.ca

1450 Nakina Drive
PO Box 398
Thunder Bay, Ontario P7C 4W1
Telephone: 1-800-475-6110
Toll Free: 1-800-465-5493
Admissions: (807) 475-6213
Fax: (807) 473-3731

Durham College of Applied Arts and Technology www.durhamcollege.ca

PO Box 385, 2000 Simcoe Street North
Oshawa, Ontario L1H 7L4
Telephone: (905) 721-2000
Admissions: (905) 721-3000
Fax: (905) 721-3113

Fanshawe College of Applied Arts and Technology www.fanshawec.ca

1001 Fanshawe College Boulevard
PO Box 7005
London, Ontario N5Y 5R6
Telephone: (519) 452-4277
Fax: (519) 452-4420

George Brown College of applied Arts and Technology www.georgebrown.ca

PO Box 1015, Station B
500 MacPherson Avenue
Toronto, Ontario M5T 2T9
Telephone: (416) 415-2000 or
1-800-265-2002

Georgian College of Applied Arts and Technology www.georgianc.on.ca

One Georgian Drive

Barrie, Ontario L4M 3X9
Telephone: (705) 722-1511
Fax: (705) 722-5118

Humber College Institute of Technology and Advanced Learning www.humber.ca
205 Humber College Boulevard
Toronto, Ontario M9W 5L7
Telephone: (416) 675-6622

La Cité collégiale www.lacitec.com
801, promenade de l'Aviation
Ottawa, Ontario K1K 4R3
Telephone: (613) 742-2483 or
1-800-267-2483
Fax: (613) 742-2481

Lambton College of Applied Arts and Technology www.lambton.on.ca
1457 London Road
Sarnia, Ontario N7S 6K4
Telephone: (519) 542-7751
Fax: (519) 541-2426

Loyalist College of Applied Arts and Technology www.loyalistcollege.com
PO Box 4200, Wallbridge-Loyalist Road
Belleville, Ontario K8N 5B9
Telephone: (613) 969-1913 or
Admissions: (613) 969-1913 ext. 2204
Fax: (613) 962-1376

Michener Institute www.michener.ca
222 St. Patrick Street
Toronto, Ontario M5T 1V4
Telephone: (416) 596-3101 or
1-800-387-9066
Fax: (416) 596-3122

Mohawk College of applied Arts and Technology www.mohawkcollege.ca
PO Box 2034
135 Fennell Ave. W
Hamilton, Ontario L3C7L3
Admissions: (905) 575-2000 or
1-866-410-4795

Niagara College of Applied Arts and Technology www.niagarac.on.ca

300 Woodlawn Road
Welland, Ontario L3C 7L3
Telephone: (905) 735-2211
Fax: (905) 736-6000

Northern College of Applied Arts and Technology

www.northernnc.on.ca

PO Box 3211, Hwy 101 East
Timmins, Ontario P4N 8R6
Telephone: (705) 235-7222 or
1-866-736-5877
Fax: (705) 235-7279

St. Clair College of Applied Arts and Technology

www.stclaircollege.ca

2000 Talbot Road West
Windsor, Ontario N9A 6S4
Telephone: (519) 966-1656 or
1-800-387-0524
Fax: (519) 972-3811

St. Lawrence College of Applied Arts and Technology

www.stlawrencecollege.ca

100 Portsmouth Avenue
Kingston, Ontario K7L 5A6
Telephone: (613) 544-5400 ext. 1610 or
1-800-463-0752
Fax: (613) 545-3923

Sault College of Applied Arts and Technology

www.saultcollege.ca

PO Box 60, 443 Northern Avenue
Sault Ste. Marie, Ontario P6A 5L3
Telephone: (705) 759-6700
Admissions: 1-800-461-2260
Fax: (705) 759-3273

Seneca College of Applied Arts and Technology

www.senecac.on.ca

1750 Finch Ave. East
North York, Ontario M2J 2X5
Telephone: (416) 491-5050
Admissions: (416) 491-5050 ext. 22800
Fax: (416) 493-3958

Sheridan College Institute of Technology and Advanced Learning www.sheridancollege.ca

Box 2500
1430 Trafalgar Road
Oakville, Ontario L6H 2L1

Telephone: (905) 845-9430
Fax: (905) 815-4148

Sir Sandford Fleming College of Applied Arts and Technology

www.flemingcollege.com

599 Brealey Drive
Peterborough, Ontario K9J 7B1
Telephone: (705) 749-5530 or
1-866-353-6464

In addition,
Collège d'Alfred (www.collegedalfred.ca),
Kemptville College (www.kemptvillec.uoguelph.ca),
and Ridgetown College (www.ridgetownc.on.ca)
offer postsecondary programs in agricultural technologies.

Apprenticeship Websites

www.skilledtrades.ca
or www.edu.gov.on.ca
Telephone: 1-888-JOBGROW