

Philosophy

Astolot Educational Centre strives to meet the needs of students, grades 1 to 12, who have determined that their educational needs can be best served through small class size and/or by focusing on learning how to learn as an integral part of their day or that accommodations are essential.

Holidays, PA Days, Exams

Month	Holiday	Exams / Reports
Sept. 2016	5th Labour Day	6th Day One
Oct.	10th Thanksgiving	
Nov.		7th Midterms 12th Report Cards Home
Dec. 2016	19th to 30th Winter Break	
Jan. 2017		2nd School Day 23rd and 24th Finals 25th 2nd Semester 30th Report Card Home
Feb.	20th Family Day	
March	6th to 17th Spring Break	30th Literacy Test OSSLT
April	14th / 17th Easter	11th Midterms 14th Report Card Home
May	22nd Victoria Day	
June		16th Final Day 19th, 20th Final Exams 22nd Reports Mailed Home

The School Community

Standards of Behaviour: Respect, Civility, and Responsible Citizenship All members of the school community must: respect and comply with all applicable federal, provincial, and municipal laws; demonstrate honesty and integrity; respect differences in people, their ideas, and their opinions; treat one another with dignity and respect at all times, and especially when there is disagreement; respect and treat others fairly, regardless (difference)...respect the rights of others; show proper care and regard for school property and the property of others; take appropriate measures to help those in need; seek assistance from a member of the school staff, if necessary, to resolve conflict peacefully; respect all members of the school community, especially persons in positions of authority; respect the need of others to work in an environment that is conducive to learning and teaching; not swear at a teacher or at another person in a position of authority... empowering students to be positive leaders in their school and community; communicating regularly and meaningfully with all members of their school community

Teachers and Other School Staff Under the leadership of their principals, teachers and other school staff maintain order in the school and are expected to hold everyone to the highest standard of respectful and responsible behaviour. Teachers are responsible for reporting marks and comments to the administrator within two days of midterm and final exams, each semester.

Students Respect and responsibility are demonstrated when a student: comes to school prepared, on time, and ready to learn; shows respect for himself or herself, for others, and for those in authority; refrains from bringing anything to school that may compromise the safety of others; follows the established rules and takes responsibility for his or her own actions.

Academic Rules

Attendance Astolot informs parents if a student's lack of attendance may jeopardize the earning of a credit, 25 days. Teachers record attendance daily.

Plagiarism A student who copies or quotes another's work, without referencing or acknowledging so, has plagiarized. Plagiarism means a zero mark. Repetition may result in expulsion.

Parents fulfil their role when they: show an active interest in their child's school work and progress; help their child be appropriately dressed, and prepared for school; ensure that their child attends school regularly and on time; show that they are familiar with the school Code of Conduct, and school rules; encourage and assist their child in following the rules of behaviour; assist school staff in dealing with disciplinary issues involving their child. Parents are also responsible for a child remaining in an educational setting until the age of 18 or an OSSD has been granted.

Code of Conduct

All students at Astolot are expected to conduct themselves in a manner which is respectful to self and others at all times. Students who are not respectful will be asked to leave Astolot.

Diplomas and Certificates

Graduation Requirements for OSSD as outlined by the Ministry

The OSSD requires the following 30 credits:

Compulsory Credits

- 4 English credits
- 3 Mathematics credits, one of which must be in grade 11 or 12
- 2 Science credits
- 1 Canadian History credit
- 1 Canadian Geography credit
- 1 Art credit
- 1 Healthy Active Living credit
- 1 FSL credit
- .5 Civics credit
- .5 Career Studies credit

Compulsory Choices: **1 additional credit** (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 cooperative education**

- **1 additional credit** (group 2): additional credit in health and physical education, or the arts, or business studies, **or French as a second language, or cooperative education**
 - **1 additional credit** (group 3): additional credit in science (Grade 11 or 12), or technological education, **or French as a second language, or computer studies, or cooperative education**
- 12 optional credits, post-secondary options should be considered

- Ontario Secondary School Literacy Test (OSSLT), or OLC4O course
- 40 hours of community service

Ontario Secondary School Literacy Test – OSSLT

The OSSLT must be passed to receive an OSSD. Accommodations (large print, quiet area, extended time, etc) may be requested when a student is registered for the Literary Test. The accommodations available to a student are determined from a student's IEP.

Community Involvement Each student is required to make a positive contribution to their community for 40 hours to qualify for their OSSD. Forms and procedures are available in the office and will be provided to students considering completion of the community involvement requirement.

Accommodations

□ *Differentiated instruction.* Any of the following elements can be differentiated: the content of learning (what students are going to learn, and when); the process of learning (the types of tasks and activities); the products of learning (the ways in which students demonstrate learning); and the affect/environment of learning (the context and environment in which students learn and demonstrate learning).

Astolot teachers will not modify (lessen) the course expectations. Instruction and assessment may change for students. For example students in and English class may access a novel in book, eBook or audio book format. A test may be handwritten, completed on a computer key board or by voice recognition software; however, each student will complete the same test.

The Ontario Secondary School Certificate (OSSC)

The OSSC will be granted, on request, to students leaving Secondary school upon reaching the **age of 18**, without having met the requirements for the OSSD. To be granted the OSSC, a student must have earned a minimum of 14 credits.

7 compulsory credits

- 2 credits in English
- 1 credit in mathematics
- 1 credit in science
- 1 credit in Canadian Geography or Canadian History
- 1 credit in health and physical education
- 1 credit in arts, computers or technical education

7 optional credits

- 7 credits selected by the student from available courses

The Certificate of Accomplishment

A student who has reached the age of 18 and is leaving school to seek employment or training may be issued the Certificate of Accomplishment.

Curriculum

Course descriptions and time tables follow. Course outlines are available in the office; some are posted on teacher website. Full curriculum documents are available in curriculum documents in classrooms (Science and Math Room F, French room A, others room F). All policy and curriculum documents are available on the Ministry of education to read or download.

Outlines are available in the office, at any time. Teacher's post outlines or a syllabus on their website, accessible at Astolot.com.

Types of Courses, Grade 9 and 10

Academic courses should be considered if college or University is the student's goal. An emphasis is placed on theory and abstract thinking. (D in the 5th position of the course code.)

Applied should be considered for some college programs. The focus is on concrete knowledge and skills generally related to real life situations. (P in the 5th position of the course code.)

Open courses provide a broad educational base and should be considered by all students, keeping future career goals in mind. (O in the 5th position of the course code.)

Types of Courses, Grades 11 and 12

Open courses provide a broad educational base and should be considered by all students, keeping future career goals, interests and exploration in mind. These courses are for all students. (O in the 5th position of the course code.)

Workplace courses should be considered by those who would like to enter the workplace or an apprenticeship program. Practical skills are developed. (E in the 5th position)

College Preparation leads students to requirements for college programs. Knowledge and skills are developed in practical concrete

ways with development of critical thinking, problem solving, research skills and independent learning. (C in the 5th position)

University and College Preparation courses are intended for students looking ahead to college or University. Theoretical application and concrete application are included. The majority of students looking toward university may choose to focus here. (M in the 5th position)

University Preparation leads to university and are specifically required for some programs. University prerequisites should be checked by the student and families carefully. Many University programs do not require this level. Greater independence is developed in understanding course material, research and independent learning skills. (U in the 5th position)

Course Code Decoded Letter, Letter, Letter, number, Letter for example MPM1D

Letter – the Department offering the course (Mathematics)

Letter, Letter – the course (Principles of Mathematics)

Number – the grade (1 = grade 9, 2 = grade 10, 3 = grade 11, 4 = grade 12)

Letter – type of course (academic)

Day School Courses

Department	Gr. 9 – 10	Gr. 11-12
The Arts	AVI1O Visual Arts AVI2O Visual Arts	AVI3M Visual Arts
Business		BTA3O Information Technology
Canadian and World Studies	CGC1P Geography of Canada CGC1D Geography of Canada CHV2O Civics CHC2P Canadian History Since WW1	CHT3O World History from 1990 CGC3O Travel and Tourism
English	English ENG1P English ENG1D English ENG2P English ENG2D	English ENG3C English ENG3U English ENG4C Writer's Craft EWC4U OSSLC – OCL4O
French as a Second Language	FSF1O Core French FSF1D Core French	FSF3U Core French
Guidance and Careers	Learning Strategies GLS1O Career Studies GLC2O	
Health and Physical Education	PPL1O Healthy Active Living	PPL3O Healthy Active Living
Mathematics	Foundations of Math MFM1P Principles of Math MPM1D Foundations of Math MFM2P Principles of Math MPM2D	MEL3E Math For Life MBF3C Math College MCF3M Functions and Applications
Native Studies		NDA3M Aboriginal Studies
Science	Science SNC1P Science SNC1D Science SNC2P Science SNC2D	SNV3C Environmental Science SCH3U Chemistry
Social Sciences and Humanities		HRF3O World Religions HSP3C Intro to Anthro. Soc., Psych.
Technology	TDJ1O Technology and Design	TDJ3M Tech. and Design

Further Information about Courses

Outlines of the courses are available in the office. A syllabus is available for many courses on the teacher's website, under each teachers class website.

Full Curriculum Policy Documents are available in classrooms and online on the Ministry of Education website.
www.edu.gov.on.ca/eng/document/curricul/secondary/oss/oss.html

Course Withdrawals

Course withdrawals will not be listed on Grade 9 or 10 report cards.

Grade 11 and 12 students have 5 days, after issue of the report card, to notify Astolot they wish to withdraw from a course. The course will not be listed if notification is provided in 5 days. Later withdrawals will be indicated on the report card and transcript for a "W" and a percentage grade at the time of withdrawal.

Changing Course Type

Grade 9 and 10 students may change from academic to applied with parent permission. Grade 9 and 10 students may change from applied to academic with Principal permission. Grade 11 and 12 students may change from academic to applied only.

Evaluation of Course Work

Course work will be evaluated through classroom work, student participation, homework assignments and formal assignments. Assignments will vary with the type of course. For example, mathematic courses will require solving equations while language courses will require writing, comprehension and expression assignments.

Examination Policy

End of term examinations, finals, will be worth 30% of the course mark. The examination will be held within school hours on a designated exam day.

Recording and Reporting

Reports are issued after each exam period. Marks are submitted to the Ministry of education to be compiled towards graduation. Each year a transcript is added to the students file.

Supports and Resources

Guidance and counseling is required of all students and family of students under the age of 18 when students apply to Astolot. School and career goals are discussed and an action plan including dated goals is set, in order to reach desired outcomes. Meetings to follow student progress are then set weekly or monthly, depending on the circumstances which brought the student to Astolot. Parents are notified at the end of each month at the progress and attendance of the student.

High school students are encouraged to keep a portfolio of awards, camps, volunteer activities, employment, scholarships, achievements, a resume, and report cards, along with any other evidence which may help them choose or apply to post-secondary programs.

Descriptions of all Day School Courses

It is the student's responsibility to ensure the course they have chosen is the appropriate prerequisite and accepted by the post-secondary institution of their choice. Assistance will be offered by Astolot staff in choosing courses and applying to Post Secondary Institutions.

The Arts

Visual Arts AVI1O, Grade 9 Open
No prerequisite
1Credit

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

Visual Arts AVI2O, Grade 10 Open
No prerequisite
1Credit

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

Visual Arts AVI3M, Grade 11 Open
Prerequisite(s): Visual Arts AVI1O or AVI2O
1Credit

This course enables students to further develop their knowledge and skills in visual arts. Students will use the creative process to explore a wide range of themes through studio work that may include drawing, painting, sculpting, and printmaking, as well as the creation of collage, multimedia works, and works using emerging technologies. Students will use the critical analysis process when evaluating their own work and the work of others. The course may be delivered as a

comprehensive program or through a program focused on a particular art form (*e.g., photography, video, computer graphics, and information design*).

Business

Information Technology, BTA3O, Open
No prerequisite
1Credit

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.

Canadian and World Studies

Geography of Canada, CGC1P, grade 9 Applied, for students not considering University
No prerequisite 1Credit

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

Geography of Canada, CGC1D, grade 9 Applied, for students considering University No prerequisite 1Credit

This course examines interrelationships within and between Canada's natural and human systems and how these systems interconnect with those in other parts of the world. Students will explore environmental, economic, and social geographic issues relating to topics such as transportation options, energy choices, and urban development. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate various geographic issues and to develop possible approaches for making Canada a more sustainable place in which to live.

Civics, Grade 10, Open, CHV2O No prerequisite 0.5
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.

Canadian History since WW1, CHC2P, Grade 10, Applied for students considering College No prerequisite 1Credit

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.

Travel and Tourism: A Geographic Perspective, CGC30

Prerequisite: Grade 9, Academic or Applied 1Credit

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.

World History since 1900: Global and Regional Interactions,

CHT30

Prerequisite: Canadian History since World War I, Grade 10, Academic or Applied, or the locally developed compulsory course (LDCC) in Canadian history , 1Credit

This course focuses on major developments in world history from 1900 to the present. Students will explore the causes and consequences of global and regional conflicts, the impact of significant individuals and social movements, and the effects of social, economic, and political developments around the world. 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 interactions within and between nations and other historical developments and events, including those that continue to affect people in various parts of the world.

English

English, Grade 9, ENG1P No prerequisite 1 Credit

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

English, Grade 9, Academic ENG1D , No prerequisite,1 Credit

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

English, Grade 10, Applied ENG2P

Prerequisite: English, Grade 9, Academic or Applied,1 Credit

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.

English, Grade 10, Academic ENG2D

Prerequisite: English, Grade 9, Academic or Applied, 1 Credit

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.

English, Grade 11, University, ENG3C, for students considering College

Prerequisite: English, Grade 10, Applied 1 Credit

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.

English Grade 11, University, ENG3U, for students considering University

Prerequisite: English, Grade 10, Academic 1 Credit

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.

English Grade 12, University, ENG4C, for students considering College

Prerequisite: English, Grade 11, Applied or Academic, 1 Credit

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

Writer's Craft, EWC4U, Grade 12, for students considering University

Prerequisite: English, Grade 11, University 1 Credit

This course emphasizes knowledge and skills related to the craft of writing. Students will analyse models of effective writing; use a workshop approach to produce a range of works; identify and use techniques required for specialized forms of writing; and identify effective ways to improve the quality of their writing. They will also complete a major paper as part of a creative or analytical independent study project and investigate opportunities for publication and for writing careers.

English Grade 12, , ENG4U, for students considering University

Prerequisite: English, Grade 11, University 1 Credit

This course emphasizes the consolidation of the literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyse a range of challenging literary texts from various periods, countries, and cultures; interpret and evaluate informational and graphic texts; and create oral, written, and media texts in a variety of forms. An important focus will be on using academic language coherently and confidently, selecting the reading strategies best suited to particular texts and particular purposes for reading, and developing greater control in writing. The course is intended to prepare students for university, college, or the workplace.

Open, Ontario Secondary School Literacy Course Grade 12, , OLC40

Eligibility requirement: 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 requirement for graduation may be eligible to take the course under special circumstances, at the discretion of the principal.) 1 Credit

This course is designed to help students acquire and demonstrate the cross-curricular literacy skills that are evaluated by the Ontario Secondary School Literacy Test (OSSLT). Students who complete the course successfully will meet the provincial literacy requirement for graduation. Students will read a variety of informational, narrative, and graphic texts and will produce a variety of forms of writing, including summaries, information paragraphs, opinion pieces, and news reports. Students will also maintain and manage a portfolio containing a record of their reading experiences and samples of their writing.

French As a Second Language

Core French, Grade 9, FSF10, Prerequisite none 1 Credit

This is an introductory course for students who have little or no knowledge of French or who have not accumulated the minimum of 600 hours of elementary Core French instruction. Students will begin to understand and speak French in guided and structured interactive settings, and will develop fundamental skills in listening, speaking, reading, and writing through discussing issues and situations that are relevant to their daily lives. Throughout the course, students will develop their awareness of diverse French-speaking communities in Canada and acquire an understanding and appreciation of these communities. They will also develop a variety of skills necessary for lifelong language learning.

Core French as a Second Language, FSF1D

Prerequisite of a minimum of 600 hours of core French instruction (listed in OSR) or the equivalent 1 Credit

This course provides opportunities for students to communicate and interact in French with increasing independence, with a focus on familiar topics related to their daily lives. Students will develop their skills in listening, speaking, reading, and writing by using language learning strategies introduced in the elementary Core French program, and will apply creative and critical thinking skills in various ways. They will also enhance their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.

Core French Grade 11, FSF3U

Prerequisite: Core French, Grade 10 Academic 1 Credit

This course offers students extended opportunities to speak and interact in real-life situations in French with greater independence. Students will develop their listening, speaking, reading, and writing

skills, as well as their creative and critical thinking skills, through responding to and exploring a variety of oral and written texts. They will also broaden their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning.

Guidance and Career Education

GLS10 Learning Strategies 1: Skills for Success in Secondary School, Grade 9 Open No prerequisite
1Credit

This course focuses on learning strategies to help students become better, more independent learners. Students will learn how to develop and apply literacy and numeracy skills, personal management skills, and interpersonal and teamwork skills to improve their learning and achievement in school, the workplace, and the community. The course helps students build confidence and motivation to pursue opportunities for success in secondary school and beyond.

Career Studies, Grade 10, Open, GLC20 No prerequisite
0.5 Credit

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.

Health and Physical Education

Healthy Active Living, Grade 9, Open, PPL10 No prerequisite 1 credit

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

Healthy Active Living, Grade 11, Open PPL30 No prerequisite 1 credit

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

Mathematics A scientific calculator must be purchased by the student.

Foundations of Mathematics MFM1P, Grade 9 for students not considering University No prerequisite 1 Credit

This course enables students to develop an understanding of mathematical concepts related to introductory algebra, proportional reasoning and measurement and geometry through investigation, the effective use of technology, and hands-on activities. Students will investigate real-life examples to develop various representations of linear relations, and will determine the connections between the representations. They will also explore certain relationships that emerge from the measurement of three dimensional figures and two-dimensional shapes. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

Principles of Mathematics MPM1D, Academic No
prerequisite 1 Credit

This course enables students to develop an understanding of mathematical concepts related to algebra, analytic geometry, and measurement and geometry through investigation, the effective use of technology, and abstract reasoning. Students will investigate relationships, which they will then generalize as equations of lines, and will determine the connections between different representations of a linear relation. They will also explore relationships that emerge from the measurement of three-dimensional figures and two-dimensional shapes. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

Foundations of Mathematics, Applied – MFM2P

Prerequisite Grade 9, applied or academic math 1 Credit

This course enables students to consolidate their understanding of linear relations and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and hands-on activities. Students will develop and graph equations in analytic geometry; solve and apply linear systems, using real-life examples; and explore and interpret graphs of quadratic relations. Students will investigate similar triangles, the trigonometry of right triangles, and the measurement of three-dimensional figures. Students will

consolidate their mathematical skills as they solve problems and communicate their thinking.

Principles of Mathematics, academic – MPM2D

Prerequisite Grade 9, applied or academic math 1 Credit

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

Mathematics for Work and Everyday Life – MEL3E

Prerequisite(s): Principles of Mathematics, Grade 9, Academic, or Foundations of Mathematics, Grade 9, Applied, or a ministry-approved locally developed Grade 10 mathematics course 1 Credit

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.

Functions, College – MBF3C

Prerequisite(s): Principles of Mathematics, Grade 10, Academic, or Foundations of Mathematics, Grade 10, Applied 1 Credit

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; investigate situations involving exponential growth; solve problems involving compound interest; solve financial problems connected with vehicle ownership; develop their ability to reason by collecting, analysing, and evaluating data involving one variable; connect probability and statistics; and solve problems in geometry and trigonometry. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

Functions and Applications, College/University – MCF3M
Prerequisite Grade 10, applied math 1 Credit

This course introduces basic features of the function by extending students' experiences with quadratic relations. It focuses on quadratic, trigonometric, and exponential functions and their use in modelling real-world situations. Students will represent functions numerically, graphically, and algebraically; simplify expressions; solve equations; and solve problems relating to applications. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

Native Studies

Current Aboriginal Issues in Canada, Grade 11,
University/College NDA3M
Prerequisite: Grade 10 Aboriginal Peoples in Canada, Open, or
Grade 10 Canadian History Since World War I, Academic or
Applied 1 credit

This course focuses on existing and emerging issues of importance to Aboriginal peoples in Canada. Students will investigate issues related to identity, relationships among Aboriginal peoples and between Aboriginal peoples and other Canadians, sovereignty principles as presented by Aboriginal peoples, and the contemporary challenges posed by these issues. Students will also examine such topics as language preservation, the responsibilities of

Aboriginal women and men, and the need for dialogue between Aboriginal and non-Aboriginal peoples.

Science

Science, Grade9, Academic SNC1P, No Prerequisite
1Credit

This course enables students to develop their understanding of basic concepts in biology, chemistry, earth and space science, and physics, and to apply their knowledge of science to everyday situations. They are also given opportunities to develop practical skills related to scientific investigation. Students will plan and conduct investigations into practical problems and issues related to the impact of human activity on ecosystems; the structure and properties of elements and compounds; space exploration and the components of the universe; and static and current electricity.

Science, Grade9, Academic SNC1D No Prerequisite 1Credit
This course enables students to develop their understanding of basic concepts in biology, chemistry, earth and space science, and physics, and to relate science to technology, society, and the environment. Throughout the course, students will develop their skills in the processes of scientific investigation. Students will acquire an understanding of scientific theories and conduct investigations related to sustainable ecosystems; atomic and molecular structures and the properties of elements and compounds; the study of the universe and its properties and components; and the principles of electricity.

Science, Grade10, Academic SNC2D
Prerequisite: Grade 9 Academic or Applied Science
1Credit

This course enables students to develop a deeper understanding of concepts in biology, chemistry, earth and space science, and physics; to develop further their skills in scientific inquiry; and to understand the interrelationships among science, technology, and the environment.

Students will conduct investigations and understand scientific theories related to: ecology and the maintenance of ecosystems; chemical reactions, with particular attention to acid-base reactions; factors that influence weather systems; and motion.

Environmental Science, Grade11, Academic SVN3M

Prerequisite: Grade 10 Academic or Applied Science
1Credit

This course provides students with the fundamental knowledge of and skills relating to environmental science that will help them succeed in life after secondary school. Students will explore a range of topics, including the role of science in addressing contemporary environmental challenges; the impact of the environment on human health; sustainable agriculture and forestry; the reduction and management of waste; and the conservation of energy. Students will increase their scientific and environmental literacy and examine the interrelationships between science, the environment, and society in a variety of areas.

Chemistry, Grade11, Academic SCH3U

Prerequisite: Grade 10 Academic Science 1Credit

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.

Social Sciences and Humanities

Introductions to Anthropology, Psychology and Sociology, HSP3C, Gr. 11

College Prerequisite: None 1 Credit

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

World Religion and Belief Traditions: Perspective, Issues and Challenges, HRF3M, Gr. 11, College or University Preparation

Prerequisite: None 1 Credit

This course provides students with opportunities to explore various world religions and belief traditions. Students will develop knowledge of the terms and concepts relevant to this area of study, will examine the ways in which religions and belief traditions meet various human needs, and will learn about the relationship between belief and action. They will examine sacred writings and teachings, consider how concepts of time and place influence different religions and belief traditions, and develop research and inquiry skills related to the study of human expressions of belief.

Technology

Exploring Technology Design, TDJ1O Grade 9,
Prerequisite(s): none, 1 Credit

This exploratory course introduces students to concepts and skills related to technological design, which involves the development of solutions to various design challenges and the fabrication of models or

prototypes of those solutions. Students will develop an awareness of related environmental and societal issues, and will begin to explore secondary and postsecondary pathways leading to careers in the field.

Technology Design, TDJ3M Grade 11, Prerequisite(s): none,
1 Credit

This course examines how technological design is influenced by human, environmental, financial, and material requirements and resources. Students will research, design, build, and assess solutions that meet specific human needs, using working drawings and other communication methods to present their design ideas. They will develop an awareness of environmental, societal, and cultural issues related to technological design, and will explore career opportunities in the field, as well as the college and/or university program requirements for them.

Complete or Further Information about Courses

Outlines of the courses are available in the office. A syllabus is available for many courses on the teacher's website, under each teachers class website.

Full Curriculum Policy Documents are available in classrooms and online on the Ministry of Education website.
www.edu.gov.on.ca/eng/document/curricul/secondary/oss/oss.html