

Cameron Heights Collegiate Institute

Summary of Grades 9-12 Courses
2015 – 2016



“TOGETHER AS ONE” we are committed to strengthening our caring community, to embracing diversity and to foster life-long learning.

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ONTARIO SECONDARY SCHOOL DIPLOMA REQUIREMENTS

In order to earn an OSSD a student must:

- Earn 30 credits: 18 compulsory and 12 optional credits
- Complete 40 hours of community involvement activities
- Successfully complete the provincial secondary school literacy requirement

Compulsory Credits

- 4 English (one per grade)
- 3 Mathematics (at least one in Grade 11 or 12)
- 2 Science
- 1 French as a Second Language
- 1 Canadian Geography
- 1 Canadian History
- 1 Arts
- 1 Health and Physical Education
- 0.5 Career Studies and 0.5 Civics
- Group 1: 1 additional credit in English or French as a second language* or a Native language or Classical or International language or Social Science and Humanities or Canadian and World Studies or Guidance and Career Education, or Cooperative Education*
- Group 2: 1 additional credit in Health and Physical Education or Arts or Business Studies or French as a Second Language* or Cooperative Education*
- Group 3: 1 additional credit in Grade 11 or 12 Science or Grades 9-12 Technological Education or French as a Second Language* or Computer Studies or Cooperative Education *

* A maximum of 2 credits in cooperative education and French as a Second Language can count as compulsory credits.

Ontario Secondary School Literacy Test – Ontario Secondary School Literacy Course

All students who entered Grade 9 in the 2000 - 2001 school year or in subsequent years must successfully complete the Ministry literacy requirement in order to earn a Secondary School Diploma. This may be accomplished by either successfully passing the Ontario Secondary School Literacy Test (OSSLT) or the Ontario Secondary School Literacy Course (OSSLC).

Ministry of Education course descriptions are published in the WRDSB Common Course Calendar, available on the WRDSB website.

Course Coding System: Fifth Character of Code

Grades 9 and 10: 'D' Academic, 'P' Applied, 'O' Open

Grades 11 and 12: 'U' University, 'C' College, 'M' University/College, 'E' Workplace, 'O' Open

Program Requirements – Full-Time Students

The Ministry of Education requires that a student must be enrolled in a minimum of three courses per semester to be considered a full-time student. This requirement extends for qualification in social service programs and athletic competition.

Minimum Course Load: 0-15 credits – choose 8 courses
16-22 credits – choose at least 7 courses
23+ credits – choose at least 6 courses

Co-operative Education

Co-op courses can be taken through Guidance and Career Education or as a subject related course, which would require completion of an in-school credit. Co-op credits do not qualify as required courses for university admission.

INTERNATIONAL STUDIES AND INTERNATIONAL BACCALAUREATE PROGRAMS

All CHCI students are eligible to receive an International Studies Certificate by successfully completing the required number of Cameron International Studies (CIS) courses as described on [page 23](#). Students registered in the International Baccalaureate Programme select IB courses indicated with a 'W' as the sixth character in the course code. Students registered for the full IB Diploma Programme or individual IB Course Certificates pay fees for the programme. The fees can be found on the CHCI website under the IB tab. Information on the International Baccalaureate Diploma Programme begins on [page 21](#).

COURSE FEES

All basic materials essential for the completion of a program are made available by the school at no cost to students. Fees for course enhancements are estimates and may change. Final amounts will be determined and communicated by September. Students/families requiring financial assistance should contact any staff member.

THE ARTS

Grade	Course	Title	Prerequisite	Course Details
9	AMI1OX Open	Beginning Instrumental Music - Band		For students <u>without</u> previous experience on a band instrument. This instrumental course includes class and small ensemble format. Basic theory is taught. This course develops self-confidence. Participation in band is strongly recommended.
9	AMI1OI	Instrumental Music – Band		For students with previous experience on a band instrument. This instrumental course includes class and small ensemble format. Basic theory is taught. This course develops self-confidence. Participation in band is strongly recommended.
9	AMV1OI Open	Vocal Music		Students learn effective vocal warm-up exercises. Self-confidence is developed through group activities. Basic theory and ear training is taught. Students learn proper voice production and diction. Participation in choir is strongly recommended
9	AVI1OI Open	Visual Arts		Students experience the creation of art from a wide variety of media and subject matter in this comprehensive art program.
10	AMG2OI Open	Guitar Music		This is a beginner course in guitar performance. Students will learn to read conventional music notation as well as guitar tablature. Techniques studied will include fingerstyle, strumming and flatpicking. Students will create a songbook for their personal use. Only open to students in grade 10, 11 or 12.
10	AMI2OI Open	Instrumental Music - Band	AMI1OI or AMI1OX is strongly recommended	Students will continue to study band instruments and learn advanced repertoire from a variety of styles. Participation in band is strongly recommended.
10	AMV2OI Open	Vocal Music	AMV1OI is strongly recommended	Vocal students learn more advanced repertoire and sing in different styles. Students will sing a solo in front of their peers. Ear training is developed. Participation in choir is strongly recommended.
10	ASM2OI Open	Media Arts		This course is a fun and exciting exploration of current technologies including the use of Adobe Photoshop, InDesign, Illustrator, Wacom graphic tablets and digital cameras. Students will develop their ability to communicate messages for a variety of audiences graphically.
10	AVI2OI	Visual Arts	AVI1OI	This course builds on the foundations established in AVI1OI. Your ability in painting, design, drawing and sculpture will be further developed. This course provides lots of fun art for many different types of Visual Arts student.
10	AVI2OW Open	IB Prep - Visual Arts	AVI1OI is strongly recommended	This course builds on what was learned in AVI1OI and prepares students for IB art in grade 11 and 12. Many different media experiences will be provided along with cultural and art historical explorations. This course is highly recommended for students who want to be successful in senior IB art. CIS
11	AMG3OI Open	Guitar Music	AMG2OI	This is a continuation of AMG2OI. Students will build upon the techniques they have learned and apply them to specific styles including rock, blues, flamenco and classical. Chord theory will be studied as it applies to songwriting.
11	AMI3MI Univ/Coll	Instrumental Music - Band	AMI1OI/2OI	Band instrument instruction at a senior level with group and individual study of performance techniques, emphasizing style and interpretation and ensemble playing. Participation in band is strongly recommended.

11	AMU3MW Univ/Coll	IB Music	Grade 9 or 10 Music, Open	AMU3MW is an IB course (fees apply) and is open to all interested university-bound students. Students can study band instruments, strings, voice, or keyboard instruments. CIS
11	AMM3OI	Music and Computers		Student will develop artistic knowledge and skills through the performance of music and the production of their own album of original music. Course of study highlights include song writing, pre production, production, and post production studio work using garage band.
11	AMR3MH Univ/Coll	Repertoire - Band	Grade 9 or 10 Music, Open	This half credit course runs all year. Students will practice twice a week before school and perform outside of regular class time as members of the CHCI Senior Concert Band.
11	AMR3MK Univ/Coll	Repertoire - Vocal	Grade 9 or 10 Music, Open	This half credit course runs all year. Students will practice twice a week and perform outside of regular class time as members of the CHCI Concert Choir.
11	AMV3MI Univ/Coll	Vocal Music	AMV1OI /2OI	This senior course involves a great deal of singing in four part harmony, both accompanied and acapella. More complex theory and ear training is taught. Participation in choir is strongly recommended
11	ASM3OI Open	Media Arts	ASM2OI Recommended	This course is an introduction to videography and film production. Using film study and practical techniques to produce individual and group projects. Students will produce small films based on a variety of techniques with a story telling component.
11	AVI3MI Univ/Coll	Visual Arts	AVI1OI/2OI	Students experience various approaches to art through theory, analysis and creation in developing their portfolio in this senior comprehensive art program. It is open to all interested university-bound students.
11	AVI3MW Univ/Coll	IB Visual Arts	AVI1OI/2OI	The course offers a unique experience for students to explore and develop professional quality artwork and portfolios. These portfolios are great for University admissions in: Architecture, Design, Fine Arts and much more. Students use a variety of media: paint, sculpture, photography, film, and digital art. CIS
11	AVI3OI Open	Visual Arts	AVI1OI/2OI	Students experience various approaches to art through theory, analysis and creation in developing their portfolio in this comprehensive art program.
11	AWD3MI	Yearbook	ASM2OI Recommended	Students will use current technologies including Adobe InDesign, Digital SLR Cameras and Studio Lighting to produce the school yearbook. Knowledge of Photoshop and InDesign is an asset. Occasional attendance at school events is required both during and after school. If the course is oversubscribed, a selection process may occur.
11	AWQ3MI	Digital Photography	ASM2OI recommended	This course provides students with opportunities to explore the medium of digital photography. Students will develop the necessary skills required to photograph various subjects on location and in studio settings. Students must have a camera, digital point & shoot or DSLR.
12	AMG4MI Univ/Coll	Guitar Music	AMG3OI	A course for advanced students. Guitar technique and repertoire will be extended and students will arrange music for a small contemporary ensemble. Opportunities to perform within the school will be offered.
12	AMI4MI Univ/Coll	Instrumental Music - Band	AMI3MI/AMU3MW	Band instrument instruction at a senior level with group and individual study of performance techniques, emphasizing style and interpretation and ensemble playing. Participation in band is strongly recommended.
12	AMU4MW Univ/Coll	IB Music	AMU3MW	AMU4MW is an IB course (fees apply) and is open to all interested university bound students. Students can study band instruments, strings, voice, or keyboard instruments. CIS
12	AMR4MH Univ/Coll	Repertoire - Band	AMR3MH	This half credit course runs all year. Students will practice twice a week before school and perform outside of regular class time as members of the CHCI Senior Concert Band. Half credit courses will not be accepted on university applications.
12	AMR4MK Univ/Coll	Repertoire - Vocal	AMR3MK	This half credit course runs all year. Students will practice twice a week and perform outside of regular class time as members of the CHCI Concert Choir. Half credit courses will not be accepted on university applications.
12	AMV4MI Univ/Coll	Vocal Music	AMV3MI/AMU3MW	This senior course further develops the singer as poised and self-confident. Participation in choir is strongly recommended.

12	AVI4MI Univ/Coll	Visual Arts	AVI3MI/3OI/ AVI3MW	Drawing, painting, sculpture and artistic research are designed to give the senior art student a strong exposure to a variety of art practices. The development of an art portfolio for college and university admissions features highly in this course.
12	AVI4MW Univ/Coll	IB Visual Arts	AVI3MW	A continuation of AVI3MW and must be taken in Grade 11. (fees apply) CIS
12	AWD4MI	Yearbook	ASM2OI or AWD3MI Highly recommended	Students will use current technologies including Adobe InDesign, Digital SLR Cameras and Studio Lighting to produce the school yearbook. Knowledge of Photoshop and InDesign is an asset. Occasional attendance at school events is required both during and after school. If the course is oversubscribed, a selection process may occur.
12	AWE4MI Univ/Coll	Graphic Design	ASM2OI Highly recommended	Students will work in a variety of digital, print and animated media. Using current technology, students will produce a portfolio of quality projects. Photoshop, Illustrator and InDesign software are further explored. Examination of web, responsive design, theory/history of digital design and social media are explored.
12	AWR4MI Univ/Coll	Film/Video Production	ASM3OI Recommended	Students enjoy both viewing some of the best films ever made, and making their own on industry standard Apple computers and software. The viewing component emphasizes deconstruction, examining the most important elements and production techniques. The production portion is designed to have students work through all of the stages of film-making. Students are encouraged to make films from different genres, working either independently or in groups.
12	AWQ4MI	Digital Photography	AWQ3MI	This course provides students with opportunities to explore the medium of digital photography. Students will produce a high quality portfolio of work demonstrating a personal approach. Students must have a digital camera, DSLR preferred.

DRAMA

Grade	Course	Title	Prerequisite	Course Details
9	ADA1OI Open	Dramatic Arts		An introduction to drama through games, improvisation, role play and scripts. This course is designed for students who love to perform and those who want to increase their confidence in front of an audience.
10	ADA2OI Open	Dramatic Arts		Students will explore a variety of skills and techniques with an emphasis on ritual, themes, monologue and scripts. Students will also create masks, props and sets.
11	ADA3MI Univ/Coll	Dramatic Arts	ADA1OI/2OI	Students explore various approaches to acting, group performances through the use of scripts and student created work. Content will be drawn from significant periods of theatre history. The class will create a children's theatre performance which is shared with elementary students and other audiences.
12	ADA4MI Univ/Coll	Dramatic Arts	ADA3MI/3OI	Students will continue to explore various approaches to acting and group performances through the use of scripts and student created work. Content will be drawn from significant periods of theatre history. Students will also have opportunities to act, direct, and explore many aspects of technical theatre while producing short plays to be shared with audiences at an evening showcase.





BUSINESS and COMPUTER STUDIES

Grade	Course	Title	Prerequisite	Course Details
9 or 10	BBI1OI or BBI2OI Open	Introduction to Business		This course introduces students to the world of business. Students will develop an understanding of Marketing, International Business, Personal Finance, Accounting, Entrepreneurship, Interview Preparation, and much more. Students will participate in many business tasks (i.e. Egg Drop Packaging Assignment, Practical Interviews, Preparing a Personal Budget, and much more) that will prepare them for future Business Studies courses. Students will develop their very own “app” business for their Final Project. BBI1OI and BBI2OI are the same course and a credit cannot be received for both. CIS
9 or 10	BTT1OI or BTT2OI Open	Information and Communication Technology in Business		This course introduces students to the use of information technology in a business environment. Students will learn how to use information technology in a work environment. They will perform electronic research and use common business software, including spreadsheets, word processing, desktop publishing, presentation software and web page design. The tasks performed in this course will enable students to achieve success throughout their high school years. BTT1OI and BTT2OI are the same course and a credit cannot be received for both. **Highly recommended if you plan to take the Grade 11 IB elective – Information in a Global Society (BTX4CW & BOH4MW)
10	ICS2OI Open	Computer Programming	Strong Math Skills	An introduction to computer programming concepts and practices. Learn the fundamentals required to write programs in Turing and Visual Basic.
11	AWS3MI Univ/Coll	Video Game Design	ICS2OI recommended	Software Development Part 1: An introduction into the theory, creation, analysis, and marketing of video games. Business application software used will include Visual Basic and Games Factory.
11	BAF3MI Univ/Coll	Financial Accounting		A practical first-year financial accounting course covering an introduction to bookkeeping. This course introduces students to the fundamental principles and procedures of accounting, with emphasis on accounting procedures used in service and merchandising businesses. Students will develop financial analysis and decision-making skills that will assist them in future studies and/or career opportunities in business. Careers in accounting will be researched. Accounting theory and applications will also be delivered through the use of Simply Accounting software.
11	BDI3CI College	Entrepreneurship: Creating A Venture		This course focuses on ways in which entrepreneurs recognize opportunities, generate ideas, and organize resources to plan successful ventures. Students will have a unique opportunity to run a venture together as a class where the profits will be donated to a local charity. In lieu of a final exam, students will create a venture plan for a service business that they could operate during the summer or after they graduate. Through hands-on experiences, students will have opportunities to develop the values, traits, and skills most often associated with successful entrepreneurs.
11	BMI3CI College	Marketing: Goods, Services, Events		This course introduces students to the fundamental concepts of product marketing, which includes the marketing of goods, services, and events. Students will engage in market research through a Taste Test Challenge, analyze past Super Bowl Advertisements, and learn about Careers in Marketing. Students will also take part in creating practical marketing media such as Billboards, Professional Business Event Invitations, Magazines/Radio Advertisements, creation of a Christmas Ornament Package, and much more. Students will then develop a Professional Marketing Plan for their own Cookie Company. CIS
11	BMX3EI Workplace	Marketing: Retail and Service		This course focuses on marketing activities in the retail and service sector. Students will engage in market research through a Taste Test Challenge, analyze past Super Bowl Advertisements, and learn about Careers in Marketing. Through hands-on learning, students will learn personal selling and information technology skills. Students will take part in creating practical marketing media such as Billboards, Professional Business Event Invitations, Magazines/Radio Advertisements, creation of a Christmas Ornament Package, and much more. Students will then develop a Professional Marketing Plan from concepts learned in class.

11	BTA3OI Open	Information Technology: Digital Environment	BTT1OI/2OI recommended	This course prepares students for the ever-changing digital environment. Using a hands-on approach, students will further develop information and communication technology skills through the use of common business software applications like Fireworks, InDesign, Premiere and Dreamweaver. Methods of effective electronic research will be discovered, which will be useful to students across all courses. The concept and operation of e-business will be explored and students will design and create their very own e-business website. Students will also be engaged in photo editing, web design, TV commercial design and editing and understand the ethics and issues related to Information Technology.
12	BAT4MI Univ/Coll	Financial Accounting	BAF3MI	This course will continue students' knowledge from BAF3MI by introducing them to advanced accounting principles that will prepare them for post-secondary studies in a business program. Students will learn about financial statements for various forms of business ownership and how those statements are interpreted in making business decisions with a focus on partnerships and corporations.
12	BBB4MI Univ/Coll	International Business	U/M/C course	Interested in learning about other cultures and their business practices? This course provides an overview of the importance of international business and trade in the global economy and explores that factors that influence success in international markets. Students will study marketing, logistics, trade organizations, fair trade practices, cultures, social responsibility, ethics, and Canada's role in the global economy. This course prepares students for careers in business, management, accounting, logistics, marketing, geography, and global studies. Students may choose to attend a trip to New York City to explore business in an international context. CIS
12	BOH4MI Univ/Coll	Business Leadership: Management Fundamentals	U/M/C course	Interested in learning how to be someone's manager? This course examines effective leadership practices used in current, successful corporations. The students will analyze the role of a leader in business, with focus on decision making, teamwork, workplace stress and conflict, motivation of employees, and time management. Effective business communication skills, ethics and social responsibility are also emphasized. Through a variety of classroom activities, the students will develop and enhance their own leadership skills. This course prepares students for careers in business, management, accounting, psychology, and sociology.
12	BOH4MW Univ/Coll	IB Business Leadership: Management Fundamentals	IB Students BTX4CW (co-requisite)	BOH4MW is an IB course (fees apply) and is open to all interested university-bound students. IB diploma students selecting this elective must take BOH4MW in Grade 11. This is the second half of the ITGS (Information Technology in a Global Society) IB Business elective. CIS
12	BTX4CW College	IB Information Technology: Multimedia Solutions	IB students (BTT1OI/2OI Recommended)	BTX4CW is an IB course (fees apply) and is open to all interested university-bound students. IB diploma students selecting this elective should take BTX4CW in Grade 11. This course provides students with the opportunity to apply their information and communication technology skills while working in a team environment. Through a project-based approach, students will have opportunities to integrate common business software applications and apply multimedia techniques. Students will further develop their understanding of electronic business and e-commerce environments. Take your skills to the next level in video-editing, e-business and project management. CIS
12	IDC4OX Open	Sports and Entertainment Marketing		Interested in Sports and Entertainment? Do you find marketing interesting? The Sports and Entertainment Marketing course is designed to apply marketing principles and processes to the sports and entertainment industry. The sports segment includes collegiate, professional and amateur sports. The entertainment segment includes movies, theater and music.
12	TGJ4MX Univ/Coll	Web Design Technology		Do you have an interest in Web Page Design? Then this course is for you! In this course, you will learn how to design a web page that will impress professionals. You will also learn how to complete a web page using HTML in this practical hands-on course, while gaining experience using an HTML editor. In this course, Fireworks, Image Maps, Cascading Style Sheets and Dreamweaver will also be studied. This course meets the requirements for your Group 3 credit.



COMPUTER SCIENCE/PROGRAMMING

Grade	Course	Title	Prerequisite	Course Details
11	ICS3CI College	Introduction to Computer Programming	none	An introduction to computer programming concepts and practices. Students will write and test programs and learn about different computer environments and systems.
11	ICS3UI University	Introduction to Computer Science	none	An introduction to computer science that will allow students to design software and apply the software development life-cycle model. The main focus will be problem solving by developing creative solutions through different computer environments.
12	ICS4CI College	Computer Programming	ICS3UI or ICS3CI	This course further develops students' programming skills through object-oriented programming concepts. Student teams will plan and carry out a software development project using industry-standard programming tools and management techniques.
12	ICS4UI University	Computer Science	ICS3MI or ICS3UI	Students will further develop their knowledge and skills in computer science by applying design principles to create complex and fully documented programs. Student teams will manage a project and algorithms will be tested for efficiency and effectiveness.

CANADIAN AND WORLD STUDIES

Grade	Course	Title	Prerequisite	Course Details
9	CGC1DI CGC1DW Academic	Canadian Geography		Geography is about determining the significance of "place" as it relates to the natural environment, the human environment, and interactions within and between them. This course considers Canada's distinctive characteristics and thus its spatial importance as we investigate the economic, environmental, social, and political perspectives that relate to our current issues. CGC1DW is an IB prep course. CIS
9	CGC1PI Applied	Canadian Geography		Geography is about determining the significance of "place" as it relates to the natural environment, the human environment, and interactions within and between them. This course considers Canada's distinctive characteristics and thus its spatial importance as we investigate the economic, environmental, social, and political perspectives that relate to our current issues. CIS
10	CHC2DI CHC2DW Academic	Canadian History		Students study Canadian history from World War I to the present. The emphasis is on social, cultural and political history. CHC2DW is an IB prep course. CIS
10	CHC2PI Applied	Canadian History		Students study Canadian history from World War I to the present. The emphasis is on social, cultural and political history. CIS
10	CHV2OH Open	Civics		Students study the history of democracy, the development of Canadian Parliamentary democracy and the role of Canada in a global society. This is 0.5-credit course.
11	CGF3MI Univ/Coll	Physical Geography	CGC1DI/1PI	Have you ever experienced an earthquake or climbed a volcano? Have you visited a tropical resort that had been ravaged by a hurricane or massive tsunami? How dangerous can heli-skiing be in avalanche regions? What happened to Dorothy in Kansas? This course focuses on the impact of natural disasters on the lives of people around the world. Significant physical processes include: Earthquakes, Volcanoes, Avalanches, Flooding, Tsunamis, Thunderstorms, Tornadoes and Hurricanes.

11	CGG3OI Open	Travel and Tourism	CGG1DI/1PI	Do you want to travel and explore the world in one day? This course studies the impact you might have while driving the Great Barrier Reef, watching lions on a Kenyan safari, climbing the tallest mountains in Nepal, surfing in Bali, participating in a Luau in Hawaii or eating Wichity grubs in the Australian Outback! The tourism industry is valued at over \$1 Trillion (USD) annually worldwide and there will be a demand to fill over 200,000 jobs in Canada's tourism sector alone. An opportunity to go on an amazing trip to New York City for 5 days focuses on all the elements of the tourism industry. CIS
11	CHG33I	Genocide and Crimes Against Humanity	CHC2DI/2PI (CHC2DI recommended)	This course investigates examples of genocide in the twentieth and twenty-first centuries, including the Holocaust, Armenia, and Rwanda. Students will investigate the terms genocide, crimes against humanity, and war crimes and explore them through the lens of historical analysis. As the course unfolds students will be challenged to draw appropriate connections between the history of genocide and Canadian history and between the lives of the people they are investigating and their own lives. CIS
11	CHW3MI Univ/Coll	World History	CHC2DI/2PI	World history up to the 16 th Century. Topics include Prehistory, first civilizations (Mesopotamia and Egypt), Ancient Greece, Rome and Medieval Europe. Focus is on cultural themes, social values, corruption and the rise and fall of civilizations. CIS
11	CLU3MI Univ/Coll	Understanding Canadian Law	CHC2DI/2PI	Explore your rights in our Canadian legal system through discussion of many hot topics dealing with the Criminal Code, young offenders and civil law.
12	CGW4UI University	Canadian and World Issues	U/M course	Isn't it easy to become overwhelmed by the complexity of issues facing our world today and the difficulties we face in resolving them? Terrorism, human rights, oil and energy, poverty, population explosion, hunger and malnutrition...what is our role as Canadian citizens in this increasingly interdependent and globalized world? This course will help you broaden your understanding of these issues while developing analytical skills and encouraging fair-minded, critical thought to resolving the challenges of our future. CIS
12	CHI4UW University	IB Americas: History, Identity and Culture	CHY4UW	CHI4UW is an IB course (fees apply) and is open to all interested university-bound students. CHI4UW must be taken in Grade 12. Students must also select IDC4UW. This course studies the History of the Americas including: Independence Movements, Nation-building and Challenges, The American Civil War, The Civil Rights Movement and the Cold War. CIS
12	CHY4UI University	World History	U/M course	This course examines cultural, economic and political events in Europe from the Reformation to the fall of communism. Oral presentations, debates and collaborative learning strategies are key components of this student-centred course.
12	CHY4UW University	IB World History	IB Students	CHY4UW is an IB course (fees apply) and is open to all interested university-bound students. This course studies 20 th Century World History with a specific emphasis on causes, practices and effects of war, as well as an examination of the Cold War. CIS
12	CHY4CI College	World History	U/M/C course	This course investigates various themes and issues of European history from the Reformation to the fall of communism. The course endeavours to examine the themes from a cultural, political, and economic perspective. CIS
12	CIA4UI University	Analyzing Current Economic Issues	U/M course	This course explores the choices that individuals and societies make about the use of scarce resources in a competitive global economy. Students will use economic concepts and models to analyze current economic issues and make informed economic choices. An excellent course in preparation for first year economics courses at university.
12	CLN4UI University	Canadian and International Law	U/M course	Interested in law? Learn more about the fundamental role of Canadian and international law in social, political, and global contexts. CIS
12	CPW4UI University	Canadian and World Politics	U/M course	Interested in politics? Students study the governments of Canada and many other world states. Emphasis is on Canada's role as a global participant and ways that students can become active members of the global community. CIS
12	CHM4EI Workplace	Adventures in World History	CHC2DI/2PI	From the discovery of the New World to the terror at the Twin Towers, this course examines significant events in world history and the impact of these events on you as a Canadian. CIS

ENGLISH

	Course		Prerequisite	Course Details
9	ENG1DI Academic	English		This International Studies (CIS) course is specifically designed to offer students a more global perspective. Students will read and interpret texts of various time periods, and explore literature of different cultures. Units of study include Mythology, Shakespeare, fiction and non-fiction stories, and a novel. CIS
9	ENG1DW	English		This course is designed to introduce students to the International Baccalaureate program. Students will read and interpret challenging texts from contemporary and historical time periods. Areas of study include novels, drama, short works, and formal and informal writing
9	ENG1PI Applied	English		This course emphasizes reading, writing, oral communication and thinking skills. Students will study novels, plays, mythology, and newspapers and will prepare a variety of written assignments, oral presentations, and media works. CIS
10	ENG2DI Academic	English	ENG1DI/1PI	This course extends the range of analytical, reading, writing, oral communication, and thinking skills that students need for success. Students will study and interpret challenging texts from contemporary and historical periods, including novels, plays, and opinion pieces, and will analyze and create effective media works.
10	ENG2DU/ CHV2OU/ GLC2OU	English/Careers & Civics	ENG1DI/1PI	The Futures Forum Project is an experimental classroom where we explore the question, "What does the classroom of the future look like?" It is three classes (English, Civics and Careers), which incorporate the use (netbooks, iPads, video cameras, etc.), a student-led platform (inquiry & project based) and collaboration with other schools.
10	ENG2DW	English	ENG1DW	This course is designed to prepare the student for Grade 11 and 12 University courses, as well as for eventual IB studies. Students will read and interpret challenging texts from contemporary and historical time periods. Units of study include poetry, Shakespeare, essays, and a novel.
10	ENG2PI Applied	English	ENG1DI/1PI	This course extends the range of key reading, writing, oral communication and thinking skills. Students will study novels, poems, magazines, reports: they will also describe, design, and produce effective media works.
11	ENG3UI University	English	ENG2DI/ ENG2DW	This class focuses on expanding critical thinking and analytical skills; units include novels, essays, short stories and plays. Students will be expected to complete an Independent Novel Study for the final evaluation activity. CIS
11	ENG3UU	English	ENG2DI	The English and HSP 3UU course is two credit course where students will be receiving both their University level English and Introduction to Psychology, Sociology, and Anthropology credits. The guiding principles of this project based class include communicating (using digital tools like Google Drive, Weebly, and Twitter), inquiring (asking questions and researching to make sense of the world), collaborating (both with peers in the classroom and other schools in the WRDSB), discussing (giving students a voice), and reflecting (thinking about our learning).
11	ENG3UW University	IB English	ENG2DW	ENG3UW is an International Baccalaureate course (fees apply) and is open to all students who have completed the IB Prep program. See the description for ENG3UI. CIS
11	ENG3CI College	English	ENG2PI	This course emphasizes the development of literacy, critical thinking, and communication skills. CIS
11	ENG3EI Workplace	English	ENG2PI or ENG2LI	Designed to prepare students who plan to head to the workforce after graduation, this course involves reading text, document use, writing, oral and group communication, thinking skills and continuous learning.
11	EMS3OI Open	Media Studies	ENG2DI/2PI	Areas of study: Television, movies, magazines, computer games, music, and the Internet, and social networking. Examine our ever-changing media culture and explore ways to make the media a positive force in our lives.

12	ENG4UI University	English	ENG3UI ENG3UW	This course focuses on higher level, critical thinking. Emphasis is on essay writing and research skills. Units include prose, drama, a novel study, film, and short stories.
12	ENG4UW University	IB English	ENG3UW	ENG4UW is an International Baccalaureate course (fees apply) and is open to all students who have completed the IB Prep program. CIS
12	ENG4CI College	English	ENG3CI	This course consolidates literacy, critical thinking and communication skills, with an addition of business and technical activities.
12	ENG4EI Workplace	English	ENG3EI	Students will study informational texts as well as literature from various countries and cultures. Students will explore issues that relate to life experiences and that will help them function successfully within the workplace.
12	ETS4UI University	Studies in Literature	ENG3UI ENG3UW	This is an Advanced Dual Credit course; students who are successful will receive a .5 Transfer Credit to Wilfrid Laurier University. The course provides an historical overview of the canon of English Literature with an emphasis on novels, short stories, and plays. This course is ideal for anyone who is planning on pursuing the study of English at university or who wants to improve critical thinking and seminar skills.
12	ETS4UW University	IB Studies in Literature	ENG4UW (co-requisite)	ETS4UW is an IB course (fees apply) for students taking ENG4UW. CIS
12	EWC4UI University	Writer's Craft	ENG3UI	A workshop for apprentice writers who wish to learn how to craft more effective writing. Includes extensive reading, sharing their own writing, and completing a major independent study.
12	EWC4UW	Writer's Craft	ENG2DW	Extended Essay program for students in the International Baccalaureate Diploma Program ONLY and is taken in Grade 11. (fees apply)
12	OLC4OI Open	Ontario Secondary School Literacy Course	Eligible to write OSSLT twice and unsuccessful at least once	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.

FRENCH AS A SECOND LANGUAGE

Grade	Course	Title	Prerequisite	Course Details
9	FSF1DI Academic FSF1DW Academic	Core French		These courses emphasize the development of speaking, reading and writing skills in French. The 1DI course is recommended for students who achieved 65%+ in Grade 8 French and also for those who intend to continue in French studies beyond the Grade 9 level. Note that students planning to enter the IB Programme should select the IB prep course FSF1DW. CIS
9	FSF1PI Applied	Core French		This course is structured to provide students with opportunities to succeed emphasizing a practical approach. An important focus will be understanding and communication. CIS
10	FSF2DI Academic FSF2DW Academic	Core French	FSF1DI or FSF1PI (with teacher recommendation) FSF1DI/ FSF1DW	Continue to enhance your language skills in French with a focus on literature and la Francophonie (music, films, etc.). Both courses follow the same curriculum. Workbook fee approx.: \$17. Please note that FSF2DW is an IB prep course. CIS
11	FSF3UI University	Core French	FSF2DI	Our study of the French language expands beyond the textbook into selected literature study. You will complete internet assignments with a CIS focus as well. Workbook fees: Approx. \$22 CIS
11	FSF3UW University	IB Core French	FSF2DW	FSF3UW follows the same curriculum as FSF3UI, but it is an IB Certificate course (fees apply). It is open to all interested university-bound students. Additional Workbook fees: Approx. \$22 CIS
12	FSF4UI University	Core French	FSF3UI/ FSF3UW	Finish your study of French and consider French at the university level! Grade 11 workbook will be used again this year. A new one, if required, will be approximately \$22. CIS
12	FSF4UW University	IB Core French	FSF3UW	FSF4UW follows the same curriculum as FSF4UI, but it is an IB Certificate course (fees apply) that is open to all interested university-bound students. Grade 11 workbook will be used again this year. A new one, if required, will be approximately \$22. CIS

INTERNATIONAL LANGUAGES

Grade	Course	Title	Prerequisite	Course Details
10	LWSBDI Academic	Spanish		Learn to speak, read and understand basic Spanish with an international focus. Experience various Spanish-speaking countries and culture through customs, music, food, field trips, etc. ¡Bienvenidos! Workbook fee: Approx. \$35 CIS
10	LWSBDW Academic	IB Spanish		LWSBDW is an IB course (fees apply) and is open to all interested university-bound students. Workbook fee: Approx. \$35. CIS
11	LWSCUI University	Spanish	LWSBDI LWSBDW	Continue to speak, read, and understand intermediate Spanish with an international focus. Learn to apply culture and customs through cultural projects, music, food, fieldtrips, etc ¡Olé! Grade 10 workbook will be used again this year. A new one, if required, will be \$35. CIS
12	LWSDUI University	Spanish	LWSCUI	Open to university bound students. An advanced Spanish course based largely on applying previous skills and new grammar. International focus on Spanish culture with an emphasis on speaking, literature, and writing. Assignments are independently driven. ¡Vámonos! Workbook fees: Approx. \$35 CIS
12	LWSDUW University	IB Spanish	LWSBDW	LWSDUW is a continuation of the IB course LWSBDW (fees apply). Workbook fee: Approx. \$45. CIS



GUIDANCE AND CAREER EDUCATION

Grade	Course	Title	Prerequisite	Course Details
10	GLC2OH Open	Career Studies		This course helps students plan for post-secondary choices using information from self-exploration, computer research, guest speakers and more. This is a 0.5 credit
11	GPP3OW Open			CAS program for students in the IB Diploma Program.
11	GPP3OI Open	Leadership and Peer Support		Are you considering a career that involves working with children? This course is ideal for university or college bound students. You would provide leadership & academic assistance to peers within the school setting.

GUIDANCE and CO-OPERATIVE EDUCATION

Grade	Course	Title	Prerequisite	Course Details
11	GWL3OI GWL3OO Open	Co-op: Designing Your Future 2 credits		This is a two-credit co-op course . Both course codes must be selected.
12	GLN4OI GLN4OO Open	Co-op: Navigating the Workplace 2 credits		This is a two-credit co-op course . Both course codes must be selected. Students have an opportunity to work in almost <u>any</u> available workplace. The workplace experience <u>does not</u> need to be directly linked with a grade 11 or 12 in-school course.

Students must submit a completed application by March 1, 2016. Forms are available from the Guidance and the Co-op Office (B219)

INTERDISCIPLINARY STUDIES

Grade	Course	Title	Prerequisite	Course Details
12	IDC4UW	Interdisciplinary Studies	SBI4UW CHI4UW	This course is available only to IB students (fees apply). The course provides an additional ½ credit in both Biology and History being studied on alternate days in Semester 2.

NATIVE STUDIES

Grade	Course	Title	Prerequisite	Course Details
12	NDW4MI Univ/Coll	Issues of Indigenous Peoples in a Global Context	U/M/C course	This course provides students with an overview of the issues and challenges that confront indigenous peoples worldwide. Students will develop an understanding of the concerns and aspirations of the world's indigenous population, and plan and conduct research on global issues that have an impact on indigenous peoples. CIS

MATHEMATICS

Grade	Course	Type	Prerequisite	Course Details
9	MPM1DI MPM1DW Academic	Mathematics		This course is designed to build numeracy and algebraic skills, and to develop a clear understanding of analytic geometry. MPM1DW is an IB prep course
9	MFM1PI	Mathematics		This course builds skills in numeracy, algebra and geometry.
9	MAT1LI	Essential Mathematics		This course emphasizes further development of mathematical knowledge, and skills to prepare students for success in their everyday lives, in the workplace and in the Grade 11 and 12 workplace preparation courses.
10	MPM2DI MPM2DW Academic	Mathematics	MPM1DI MPM1DW	This course continues to build mathematical skills with a focus on Analytical Geometry, Polynomials, Quadratic Functions, and Trigonometry. MPM2DW is an IB prep course.
10	MFM2PI Applied	Mathematics	MPM1DI/1PI	This course extends skills in numeracy, algebra and geometry. Check the college calendars carefully for the math requirements.
11	MCR3UI University	Functions	MPM2DI/ MPM2DW	This course continues to build mathematical skills and abstract thinking using Polynomial, Exponential, Discrete and Trigonometric Functions.
11	MCR3UW University	IB Functions	MPM2DW	Focus is on advanced algebra, trigonometry, logarithmic and exponential functions. MCR3UW is an IB course (fees apply).
11	MCF3MI Univ/Coll	Functions and Applications	MPM2DI/W/ MFM2PI	This course builds mathematical skills using an application focus. Quadratic, Exponential and Trigonometric Functions will be used. Required path for many college and some university programs.
11	MBF3CI College	Foundations for College Math	MFM2PI	Learn about Personal Finance, Mathematical Models, Reasoning with Data and Trigonometry in this college bound course.
11	MEL3EI Workplace	Mathematics for Everyday Life	MFM1PI or MFM2PI or MAT1LI	Learn about payroll deductions, government taxes, banking transactions, investing and borrowing money, and the costs of owning a car.
12	MCV4UI University	Calculus and Vectors	MHF4UI Note: may be taken concurrently with MHF4UI	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, lines and planes, and continue with derivatives of polynomial, rational, exponential, and sinusoidal functions. 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.
12	MHF4UI University	Advanced Functions	MCR3UI/W MCT4CI	This course extends students' experience with functions. Students will investigate the properties of polynomial, rational, logarithmic, and trigonometric functions; broadens their understanding of rates of change. 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.
12	MCV4UW University	IB Calculus Standard Level	MCR3UW	MCV4UW is an IB course (fees apply). Focus is on limits, rates of change, derivatives of polynomials, rational, exponential, and sinusoidal functions. Applications of the derivative and antiderivatives including integration are also covered. ** Note: must be taken concurrently with MHF4UW

12	MHF4UW University	IB Vectors and Statistics Standard Level	MCR3UW	MHF4UW is an IB course (fees apply). Focus is on lines and planes in 2-space and 3-space. Statistics and the study of normal curves and binomial distribution are also included. ** Note: must be taken concurrently with MCV4UW
12	MDM4UI University	Mathematics of Data Management	MCR3UI/W or MCF3MI	This course covers the management of information through sampling, data collection and statistical analysis. It is taught in a computer lab using statistical software.
12	MDM4UW University	IB Mathematical Studies	MCR3UW	MDM4UW is an IB course (fees apply) and is open to all interested university bound students. This course covers polynomial, exponential and trigonometric functions, sequences and series, logic and probability, statistics and financial mathematics.
12	MCT4CI College	Mathematics for College Technology	MCR3UI/W or MCF3MI	This course is more demanding and more theoretical than the MAP4CI course. Topics include polynomial, exponential and trigonometric functions, linear-quadratic systems and problem-solving. This course is a minimum requirement for Technology and Business programs at Ontario colleges.
12	MAP4CI College	Foundations for College Mathematics	MBF3CI or MCF3MI or MCR3UI/W	This course covers applications of geometry, trigonometry, measurement, statistics and problem-solving. It may not be acceptable for Technology or Business programs at Ontario colleges.
12	MEL4EI Workplace	Mathematics for Work and Everyday Life	MEL3EI	This is a course in mathematics applied to day-to-day living. Topics include applications of measurement, geometry, finance and budgeting.

PHYSICAL EDUCATION AND HEALTH

Grade	Course	Title	Prerequisite and Notes	Course Details
9	PPL1OX (female) PPL1OY (male) Open	Healthy Active Living		This course emphasizes regular participation in a variety of physical activities: basketball, volleyball, soccer, football, fitness, tennis, ultimate frisbee, badminton, weight training, and swimming. Health topics: Healthy Sexuality, Substance Use & Abuse, CPR
10	PAF2OX (female) PAF2OY (male) Open	Personal & Fitness Activities		Looking to get fit and feel good about yourself? This course will deliver. Activities include weight training, cardio-circuits, yoga, boot camp, swimming and more. Health: Nutrition and Body Image Course enhancement fee: \$10 - 20 (no fee alternative available)
10	PPL2OX (female) PPL2OY (male) Open	Healthy Active Living		Like playing sports? This is your course. Basketball, volleyball, tennis, soccer, football, interactive games, swimming, fitness, weight training, lacrosse, ultimate frisbee, badminton, winter activities and health.
11	PAD3OI Open	Outdoor Education		Take part in the only course that teaches you how to be a skilled wilderness adventurer. Some skills offered will be skiing, snow shoeing, wilderness survival, camping, rock climbing and more. A course fee covers the cost of enhancements and an opportunity to participate in a back woods canoe trip. Off campus activities usually begin at 8 a.m. Transportation is the responsibility of the student.
11	PPL3OX (female) PPL3OY (male) Open	Healthy Active Living		Focus is on team and individual sports. Volleyball, basketball, football, soccer, swimming, racquet sports, lacrosse, ultimate Frisbee, fitness, weight training. Health topics include healthy relationships, and mental health.
11	PAF3OX (female) PAF3OY) (male) Open	Health for Life - Fitness Activities		Do you want to learn how to get fit, stay fit, and feel good? This course will deliver. Activities include weight training, cardio-circuits, yoga, boot camp, swimming and more. Health included Course enhancement fee: \$10 – 20 (no fee alternative available)
11	PPZ3OI Open	Health for Life - Classroom		Learn about a variety of health issues. Units covered are the vitality approach, nutrition, physical fitness, media influences, sexuality, addictive behaviour, AIDS. This is a health course with less than 3 days of activity. CIS

12	PAF4OI Sem 2 only (Co-ed)	Personal and Fitness Activities		This is a personal training course that incorporates a variety of activities and studies that will improve cardiovascular, musculoskeletal, nutritional and psychological fitness. Activities include weight training, swimming, circuit training, and some off-campus activities. Health included. Course enhancement fee: \$20 (no fee alternative available)
12	PPL4OI (Co-ed) Open	Healthy Active Living		Select from a variety of activities: golf, basketball, volleyball, tennis, rock climbing, water games, football, softball, ultimate Frisbee, lacrosse, rugby, racquets, fishing, rock climbing, archery, ping pong, paintball, bowling and more. Health includes healthy relationships and mental health issues. Off-campus activities have a fee, however a no fee, on-campus alternative is always provided.
12	PSE4UI University	Exercise Science	U/C Science or Gr 11 or 12 Physical Ed. course	This course focuses on the study of human movement and systems, factors and principles involved in human development. Topics include anatomy, sports injuries, physiology, biomechanics and sociology of sport. Optional Workbook fee: \$20.

SOCIAL SCIENCES AND HUMANITIES

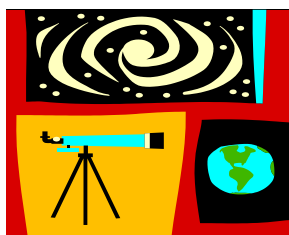
Grade	Course	Type	Prerequisite	Course Details
9	HIF1OI Open	Exploring Family Studies		High school may seem overwhelming at times. This course is designed to help students with issues that the high school experience presents and develop life-long coping skills. Students will have the opportunity to enhance their skills in communication, cooking, and learn how to participate in family life.
10	HFN2OI Open	Food and Nutrition		No other grade 10 course allows you to cook once a week, plan healthy meals, and learn the meaning behind food choices. This course does all of that and more!
11	HNC3CI Open	Understanding Fashion		Interested in Joe Fresh and fast fashion? This course teaches sewing skills, and design techniques, and introduces you to the basics of the fashion industry. Basic materials will be provided but students may choose to enhance their supplies and projects for a cost of \$25-30.
11	HPC3OI Open	Raising Healthy Children		Planning on having children someday? This course takes you through the experiences of dating, marriage, and parenting from pregnancy to the toddler years. Students who take this course will participate in the "Baby Think It Over" simulation.
11	HSP3UI University	Introduction to Anthropology, Psychology, Sociology	CHC 2DI/DW OR ENG 2DI/DW	This course provides students with opportunities to think critically about theories, questions, and issues related to anthropology, psychology, and sociology. Students will develop an understanding of the approaches and research methods used by social scientists. They will be given opportunities to explore theories from a variety of perspectives, to conduct social science experiments, and to become familiar with current thinking on a range of issues within the three disciplines. CIS
11	HSP3CI College	Introduction to Anthropology, Psychology, Sociology	None	This course introduces students to theories, questions, and issues related to anthropology, psychology, and sociology. Students learn about approaches and research methods used by social scientists. They will be given opportunities to apply theories from a variety of perspectives, to conduct social science research, and to become familiar with current issues within the three disciplines. CIS
12	HFA4UI HFA4CI Univ/Coll	Nutrition and Health	U/M/C course	This course examines the relationships between food, energy balance, and nutritional status; the role of nutrition in health and disease while evaluating trends in nutrition. Students will learn about healthy eating, expand their repertoire of food preparation techniques and develop their research skills.
12	HHG4MI Univ/Coll	Human Development Throughout the Lifespan	U/M/C course	This course emphasizes enhancing human growth and development throughout the lifecycle, focusing on children. Career options: social work, teaching, youth work, early childhood education, and medicine.
12	HHS4UI University	Families in Canada	U/M/C course	A great course for anyone interested in university psychology/social sciences. Studies include individual development and family issues throughout the life cycle. Excellent preparation for post-secondary study in psychology, sociology, social work, teaching, family law, and medicine.

12	HSB4UI University	Challenge & Change in Society	U/M course	This course focuses on the use of social science theories, perspectives, and methodologies to investigate and explain shifts in knowledge, attitudes, beliefs, and behaviour and their impact on society. Students will critically analyse how and why cultural, social, and behavioural patterns change over time, exploring challenges such as technological change, deviance, and global inequalities. Social science research methods will be used to study these changes. CIS
12	HZT4UI University	Theory of Knowledge	U/M course	“TOK” may be the most useful and memorable course you’ll ever take! It explores the very nature of knowledge, and its relevance extends to all subject areas. HZT4UI is open to all interested university-bound students. CIS
12	HZT4UW University	Theory of Knowledge	U/M course	HZT4UW is a requirement for the IB Diploma program (fees apply). Full Diploma IB students take this course in Grade 11. See the description for HZT4UI. CIS



Grade	Course	Title	Prerequisite	Course Details
9	SNC1DI SNC1DW Academic	Science		Chemistry, electricity, reproduction and space science. SNC1DW is an IB prep course.
9	SNC1PI Applied	Science		Chemistry, electricity, ecosystems and space science.
10	SNC2DI SNC2DW Academic	Science	SNC1DI/1PI/ SNC1DW	Systems of living organisms, chemical reactions (acids and bases), climate change, light and optics. SNC2DW is an IB prep course. CIS
10	SNC2PI Applied	Science	SNC1DI/1PI	Systems of living organisms, chemical reactions (acids and bases), climate change, light and optics. CIS
11	SBI3CI College	Biology	SNC2DI/2PI	Genetics, plants, cellular biology, anatomy of mammals and microbiology (bacteria and viruses). Optional dissection fee.
11	SBI3UI University	Biology	SNC2DI/W	Diversity, evolution, genetics, plant and animal anatomy, structure and function. Optional dissection fee.
11	SBI3UW University	IB Biology	SNC2DW	SBI3UW is an IB Certificate course (fees apply) and is open to all interested university-bound students. See the description for SBI3UI.
11	SCH3UI University	Chemistry	SNC2DI/W	Chemical bonding, chemical equations and reactions, gas laws, solutions, and chemical quantities. Recommended prep: MPM2DI/W.
11	SCH3UW University	IB Chemistry	SNC2DW	SCH3UW is an IB course (fees apply) and is open to all interested university-bound students. See the description for SCH3UI.
11	SPH3UI University	Physics	SNC2DI/W	Motion, forces, energy, waves and electromagnetism are all studied. Recommended prep: MPM2DI/W.
11	SVN3EI Workplace	Science	SNC1PI	Human impact on the environment, energy conservation, hazards in the workplace, disease and prevention, and chemicals in consumer products are studied in preparation for the workplace.
12	SBI4UI University	Biology	SBI3UI/W	Includes metabolic processes, molecular genetics, homeostasis, biochemistry, and population dynamics. Recommended prep: SCH3UI. Optional dissection fee.
12	SBI4UW University	IB Biology	SBI3UW	SBI4UW is an IB course and is open to all interested university-bound students (fees apply). See the description for SBI4UI. Students must also select IDC4UW.
12	SCH4CI College	Chemistry	SNC2DI/ 2PI	Qualitative analysis, organic chemistry, electrochemistry, chemical calculations, and chemistry in the environment.
12	SCH4UI University	Chemistry	SCH3UI/ SCH3UW	Organic chemistry, energy changes and rates of reaction, chemical systems and equilibrium, electrochemistry, and atomic and molecular structure. Recommended prep: MCF3MI or MCR3UI/W.
12	SCH4UW University	IB Chemistry	SCH3UW	SCH4UW is an IB course and is open to all interested university-bound students (fees apply). IB diploma students selecting this elective must take SCH4UW in Grade 11. See the description for SCH4UI.

12	SES4UI University	Earth Science	SNC2DI	Astronomy, planetary science, geological processes and history. Successful students are eligible for a dual university Earth Science credit. Recommended for students who have successfully completed a 3U level science course.
12	SPH4UI University	Physics	SPH3UI	Dynamics, momentum, light and energy concepts are extended from the SPH3UI course. Field theory, relativity and quantum mechanics are introduced. Recommended prep: MCF3MI or MCR3UI/W.
12	SPH4UX University	Physics	SPH3UI	Dynamics, momentum, light and energy concepts are extended from the SPH3UI course. Field theory, relativity and quantum mechanics are introduced. This course is offered to IB students who are not able to fit SPH4UI into their schedule. You must register for this course through Mrs. Martin (Guidance) as it is not available through My Way. Recommended prep: MCF3MI or MCR3UI/W.



SPECIAL EDUCATION

Grade	Course	Title	Prerequisite	Course Details
9	GLE 101	Learning Strategies 1: Skills for Success <i>in</i> Secondary School	Principal approval	Learning strategies are taught to help students become more independent learners. Learning skills, personal knowledge and management skills, interpersonal knowledge and skills and exploration of opportunities are developed so students build confidence and improve their achievement.
10	GLE 201	Learning Strategies 2: Skills for Success <i>in</i> Secondary School	Principal approval	This course continues to build on the skills from GLE101 to promote success particularly in secondary school. Students further develop skills in time management, organization, communication, self-advocacy, literacy and numeracy.
11	GLE 301	Learning Strategies 1: Skills for Success <i>after</i> Secondary School	Principal approval	Initial preparation for transitions to work, training and/or postsecondary education are explored. Students assess their learning abilities and apply literacy, numeracy, research skills and personal management techniques to maximize their learning.
12	GLE 401	Learning Strategies 2: Skills for Success <i>after</i> Secondary School	Principal approval	Further preparation for successful transitions to postsecondary destinations is explored. Through investigating trends and resources to support future employment, training, and/or education paths, students can make plans to meet their personal goals.

TECHNOLOGICAL EDUCATION

Students may take more than one course at the same grade level in the same area or in different areas. If the first 5 characters of the course code are different then more than one credit will be granted on the transcript.

Grade	Course	Title	Prerequisite	Course Details
9	TIJ1OI Open	Exploring Technologies		Students will design and create products related to Technological Design, Manufacturing, Construction and Transportation. Students will work with a variety of tools, equipment, software, and fabrication processes commonly used in industry.
9	TEJ1OI Open	Exploring Computer Technology		Computer-based audio editing, programming, and virtual modeling. From pod casting and building pathfinding robots to 3-D solid modeling and basic computer upgrading, use today's computer technology.
CONSTRUCTION – WOOD				
10	TCJ2OI Open	Construction, Woodworking		This course introduces students to residential construction and woodworking processes, tools and equipment. Students will operate powered woodworking tools and equipment to build various projects. Good measuring and math skills are key to success.
11	TCC3EI Workplace	Construction		This course enables students to develop technical knowledge and skills related to construction and woodworking tools, processes, and equipment used in residential construction. Students will gain hands on experience using a variety of materials to lay out and build projects. Taking TCJ 2OI first is recommended; good measuring and math skills are key to success.
11	TWJ3EI Workplace	Custom Woodworking		This course enables students to develop knowledge and skills related to cabinetmaking and furniture making. Students will gain practical experience. Students will learn to create and interpret technical drawings and will plan, design, and fabricate projects. Taking TCJ 2OI first is recommended; good measuring and math skills are key to success.
12	TCC4EI Workplace	Construction	TCC3EI	This course enables students to further develop technical knowledge and skills related to residential construction and general carpentry. Students will continue to gain hands on experience and learn more about building design and project planning. Good measuring and math skills are key to success.
12	TWJ4EI Workplace	Custom Woodworking	TWJ3EI	This course enables students to further develop knowledge and skills related to the planning, design, and construction of cabinets and furniture for residential and/or commercial projects. Students will gain further experience in the safe use of common woodworking materials, tools, equipment, finishes, hardware, and will learn about the entrepreneurial skills needed to establish and operate a custom woodworking business.
TECHNOLOGICAL DESIGN				
10	TDJ2OI Open	Technological Design		Introduction to mechanical and architectural design and drafting practices. Model making and 3D computer generated modeling will also be explored.
11	TDJ3MI Univ/Coll	Technological Design		This is a College/ University preparatory course for students interested in entering into the fields of Engineering, Design or Construction. While design projects will be primarily Architectural in nature, students will be introduced to analytical and design concepts that are equally applicable within most engineering disciplines. Students will be expected to utilize the analytical skills, 2D and 3D drawing techniques and basic model making practices in the completion of assigned projects. CIS
12	TDJ4MI Univ/Coll	Technological Design	TDJ3MI	This senior University / College preparatory course will expose students to design that is more advanced and engineering concepts that will form a solid foundation for post secondary school education. Students will be required to employ engineering principles, advanced 2D and 3D drawing techniques and model making practices in the completion of course related projects. In addition, they will have the opportunity to further enhance their communication and analytical skills. CIS

COMPUTER TECHNOLOGY				
10	TEJ2OI Open	Computer Technology– Digital Electronics		Design, build, program, and test an electronic sumobot or pathfinding robot. "Wrestle" with other students' bots. Use Minecraft Redstone to learn fundamentals of digital circuitry.
11	TEJ3EI Workplace	Computer Engineering		Repair, upgrade, and learn to network computers. This course is a totally hands-on approach to learning about computer hardware and troubleshooting. Prerequisite course for TEJ4EI.
11	TEJ3MI Univ/Coll	Computer Engineering		Design, build, and test a pathfinding or remotely controlled electronic robot, hovercraft, etc. Use Minecraft Redstone to learn fundamentals of digital circuitry. Prerequisite course for TEJ4MI. CIS
12	TEJ4EI Workplace	Computer Engineering	TEJ3EI	Learn Linux, Cisco router programming methods, advanced computer networking and troubleshooting. This course is a totally hands-on approach to learning more about networking, computer hardware, and troubleshooting.
12	TEJ4MI Univ/Coll	Computer Engineering	TEJ3MI	An advanced electronic robot will be designed, built, and tested. Advancements could include a camera vision system and VNC control. A detailed study of digital circuitry for advanced students. CIS
ELECTRONICS				
11	TEL3MI Univ/Coll	Electronics		Design, build and test one-person electric hovercraft, Tesla coil, or LED "colour organ". A broadly-based study of electronic circuitry for advanced students.
12	TEL4MI Univ/Coll	Electronics	TEL3MI	Design, build, and test an analogue servo-controlled steering system for an electric one-person hovercraft, an electronic eavesdropper device, or a radio transmitter. A detailed, broadly-based study of electronic circuitry for advanced students.
COMMUNICATIONS TECHNOLOGY				
11	TGJ3MI Univ/Coll	Communication Technology - Mix Engineering		An introductory course which explores recording and editing audio using Audacity, Reason and DJ Decks. By learning how to control sound with your hands, you can become a true mix master.
MANUFACTURING TECHNOLOGY				
10	TMJ2OI Open	Manufacturing		Active, hands on environment. Build projects like model motorcycles, cars, tanks, and sculptures with found, fabricated, machined, and welded parts. Look online at browndogwelding.com to see professional examples.
11	TMJ3EI Workplace	Manufacturing		Focused machining course in an active, hands on environment. Build and test various projects of precision and beauty like steam powered motors, Turner's cubes, or a Sopwith Camel.
12	TMJ4EI Workplace	Manufacturing	TMJ3EI	Design, build, and test projects of precision, beauty, and usefulness. Solar Stirling engines and wind turbines will help solve the problem of carbon free electricity generation. Build small versions capable of charging electronic devices..
MANUFACTURING – WELDING				
11	TMW3EI Workplace	Welding		This project based course is open to grades 10, 11 and 12. This is an introductory course to welding, with an emphasis on Gas Metal Arc Welding (MIG), Shielded Metal Arc Welding (Stick), Plasma Cutting, Fitting, Oxy/Fuel Welding and Cutting.
12	TMW4EI Workplace	Welding	TMW3EI	Focus on Gas Tungsten Arc Welding (TIG), Shielded Metal Arc Welding (Stick), Blueprint Reading and Air Arc Gouging and fitting. All senior level students have the opportunity to obtain a Canadian Welding Bureau (CWB) welding ticket (Industry Standards).
12	TMY4CI College	College Welding Technician	TMW3EI or TMW4EI	This course is open to grade 12 students wishing to further their career as welding technologists. Students will work on a variety of manufacturing projects, developing knowledge, skills in design, fabrication, and problem solving. In addition, students may have the opportunity to acquire industry standard certification (Canadian Welding Bureau, Welding Ticket).
TRANSPORTATION TECHNOLOGY				
10	TTJ2OI Open	Automotive Fundamentals		Learn about career opportunities in the motor industry, how motor vehicles and small engines work, and how to use hand tools safety.
11	TTJ3CI College	Automotive Technology		Learn how motor vehicles work, diagnostics of engines and basic control systems and how to use power tools safely.

11	TTJ3CI and TTA3CX College	Automotive Technology (2 credit package)		This is a two-credit grouping. Learn the same material as TTJ3CI plus steering and suspension controls, braking systems, engine basics, basic auto body repair and small engines such as snowmobile, go-kart, lawnmower, etc.
11	TTS3CX Workplace Open	Transportation Technology		Learn the fundamentals of 2 and 4 stroke small engines that are used in ATVs, snowmobiles, motorcycles, and ground maintenance equipment. Explore recreation vehicle systems such as electrical, braking, steering and transmissions.
11	TTJ3OX Open (female)	Automotive Fundamentals		Introductory course for females ONLY. Be a knowledgeable consumer. Learn how a car works, how to buy or lease, basic maintenance.
12	TTJ4EI Workplace	Automotive Technology	TTJ3CI	Learn ignition, fuel systems, charging systems, engine performance. Project work in an active shop environment.
12	TTJ4EI and TTA4CX Workplace	Automotive Technology (2 credit package)	TTJ3CI	Two credit grouping. Emphasis on hands-on diagnosing and repairing automotive problems, including vehicle scanning and repairing with Mitchell on Demand service procedures, ABS brake servicing, plus suspension and driveline repairs. This course allows for expanded servicing and rebuilding of small engines, motorcycles, and lawn and snow maintenance equipment.
12	TTS4CX Workplace Open	Transportation Technology	TTS3CX	Perform vehicle maintenance on 2 and 4 stroke small engines that are used in ATVs, snowmobiles, motorcycles, and ground maintenance equipment. Study recreation vehicle maintenance on electrical, braking, steering and transmissions systems.
12	TTJ4EX Workplace (female)	Automotive Service		Females ONLY advanced ownership course. Learn about vehicle maintenance and diagnosing automotive problems with engines, driveline, brakes, suspension and tires. Discover the benefits of proper car care for the exterior, interior and under the hood.



INTERNATIONAL BACCALAUREATE DIPLOMA PROGRAM

Course Information	GRADE 9	GRADE 10	GRADE 11	GRADE 12
English (HL)	ENG 1DW	ENG 2DW and ENG 3UW		ENG 4UW ETS 4UW
French (SL) or Spanish (SL)	FSF 1DW	FSF 2DW or Elective ***	FSF 3UW or LWS BDW	FSF 4UW or LWS DUW
Biology (HL)	SNC 1DW	SNC 2DW	SBI 3UW	SBI 4UW
History (HL)	CGC 1DW (Geography)	CHC 2DW	CHY 4UW	CHI 4UW
Mathematics (SL) (Math Studies) ----- Mathematics (SL) (Math Methods)	MPM 1DW	MPM 2DW	MCR 3UW	MDM 4UW (+ elective) ----- MCV 4UW MHF 4UW
IB Elective	Elective*		IB Elective (SL) (2 courses) Choose one of the following subject areas: 1. Information Technology: BTX 4CW and BOH 4MW 2. Chemistry: SCH 3UW and SCH 4UW 3. Music: AMU 3MW and AMU 4MW 4. Visual Arts: AVI 3MW and AVI 4MW	IDC 4UW **** Biology/History IDC 4UB Biology only IDC 4UH History only
	Elective *	Elective **	HZT 4UW Theory of Knowledge	
	Elective *	CHV 20H/ GLC 2OH	EWC 4UW Extended Essay	

IB Diploma Requirements: 3 Higher Level (HL) courses, 3 Standard Level (SL) courses, Theory of Knowledge, Extended Essay and CAS program. (fees apply)

Students who are interested in IB Certificate Courses may choose between 2 and 5 of the courses listed above, provided the prerequisite requirements are met. (fees apply)

- * If the IB student will be selecting a Music or Visual Art IB Elective in grade 11, it is recommended that they earn the prerequisite in grade 9.
- ** Students who want to graduate with three sciences are advised to select grade 11 Physics (SPH 3UI) in grade 10. Students are advised to see their counsellor to discuss options for completing the grade 12 Physics (SPH4UI) course.
- *** This elective is not available if FSF2DW is taken and is only available for students who are choosing to take IB Spanish in grade 11 and grade 12.

**** Students taking IDC 4UW (Biology and History studied on alternating days) receive a full credit. Students taking one of IDC 4UB (Biology) or IDC 4UH (History) receive a half credit which is not acceptable for university entrance requirements.
 Students can earn only **one** credit in an IDC4U course (IDC4UI or IDC4UW or IDC4UX or IDC4UB or IDC4UH).



***Grade 9 Elective Courses**

All IB students select 3 elective courses. In order to satisfy Ontario Ministry diploma requirements, students must choose at least 2 courses from section A. Note: If two Business courses (BBI1OI and BTT1OI) are chosen from section A, then the 3rd choice must also be selected from section A. Otherwise the 3rd choice can be from section A or B.

<u>Section A</u>		<u>Section B</u>
ADA1OI - Dramatic Arts	PPL1OX - Physical and Health Education (Female)	HIF1OI - Individual and Family Living
AMI 1OI - Instrumental Music (1 plus years experience)	PPL1OY - Physical and Health Education (Male)	TIJ1OI – Exploring Technologies
AMI 1OX - Instrumental Music (0-1 year experience)	BBI1OI - Introduction to Business	TEJ1OI – Exploring Computer Technologies
AMV 1OI - Vocal Music	BTT1OI - Computer Software Applications	ICS2OI – Computer Programming
AVI 1OI - Visual Arts		

Cameron International Studies (CIS) Certificate Program Requirements

	HONOURS PROGRAM	AMBASSADORS PROGRAM
ENTRANCE REQUIREMENTS	Selection in Grade 10 year	
MINIMUM CREDIT REQUIREMENTS	8 credits and a minimum of two IB Diploma certificates (each IB Diploma certificate equals 2 CIS credits) Total = 12 credits	12 credits
GRADE NINE		
CIS Compulsory Courses	English ENG 1PI-DI-DW, French FSF 1PI-DI-DW, Geography CGC 1PI-DI-DW	
CIS Electives	Business BBI 1OI	
GRADE TEN		
CIS Compulsory Courses	Science SNC 2PI-DI-DW, History CHC 2PI-DI-DW	
CIS Electives	Business BBI 2DI French FSF 2DI-DW Spanish LWS BD I-W	
GRADE ELEVEN		
CIS Compulsory Courses	English ENG3UI or 3U and a minimum of two IB Diploma certificates	English ENG3CI or 3UI
CIS Electives	See the list below for CIS courses in Grades 11	
GRADE TWELVE		
CIS Electives	See the list below for CIS courses in Grades 12	
	Grade 11	Grade 12
Art	AVI3MI-MW	Drama ADA4MI
Music	AMU3MI-MW	Music AMU4MI-MW
Marketing	BMI3CI	International Business BBB4MI
Physical Geography	CGF3MI	World Issues CGW4UI
Tourism	CGG3OI	Adventures in World History CHM4EI
History of America	CHI4UW	World History CHY4CI-UI-UW
World History	CHW3MI	International Law CLN4UI
Crimes Against Humanity	CHG33I	World Politics CPW4UI
Sociology	HSP3C/3U	Indigenous Peoples NDW4MI
Health for Life	PPZ3OI	Food Sciences HFA4MI
French	FSF3UI-UW	Challenge & Change HSB4MI
Spanish	LWSCUI	Theory of Knowledge HZT4UI-UW
Computer Engineering	TEJ3MI	French FSF4UI-UW
Engineering Design	TDJ3MI	Spanish LWS4UI-UW
		Computer Engineering TEJ4MI
		Engineering Design TDJ4MI

EDUCATIONAL PLAN FOR STUDENTS IN GRADE 9, 10 11 AND 12

In planning a program, it is advisable to set goals for personally meaningful post secondary learning and work.

GRADE 9 Year 1	ENGLISH _____	MATH _____	CANADIAN GEOGRAPHY _____	SCIENCE _____	FRENCH _____	HEALTH & PHYS. ED. <small>(Can be taken in any grade)</small>	ARTS <small>(Can be taken in any grade)</small>	
GRADE 10 Year 2	ENGLISH _____	MATH _____	CANADIAN HISTORY _____	SCIENCE _____	CAREER STUDIES & CIVICS _____			
GRADE 11 Year 3	ENGLISH _____	MATH _____						
GRADE 12 Year 4	ENGLISH _____							
Year 5								

18 Compulsory Subjects:

- | | | |
|---|--|--|
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 4 English | <input type="checkbox"/> 1 Canadian History | <input type="checkbox"/> 1 Additional credit in English, or French as a second language*, or a Native Language, or Classical or International language or Social Sciences & Humanities, or Canadian and World Studies, or Guidance and Career Education, or Cooperative Education* |
| <input type="checkbox"/> 1 French | <input type="checkbox"/> 1 Canadian Geography | |
| <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 3 Mathematics | <input type="checkbox"/> 1 Arts | |
| <input type="checkbox"/> <input type="checkbox"/> 2 Sciences | <input type="checkbox"/> 1 Health & Physical Ed. | <input type="checkbox"/> 1 Additional credit in Health & P.E. or the Arts, or Business Studies, or French as a Second Language*, or Cooperative Education* |
| <input type="checkbox"/> 0.5 Civics | | |
| <input type="checkbox"/> 0.5 Career Studies | | <input type="checkbox"/> 1 Additional credit in Science (gr 11 or 12) or Technological Education (gr. 9–12) or French as a Second language* or Computer Studies or Cooperative Education * |

* A maximum of 2 credits in cooperative education or French as a Second language can count as compulsory credits.

- 12 Optional Subjects:**
Literacy Requirement:
40 Hours of Community Involvement:

Total - 30 credits for Ontario Secondary School Diploma