

COURSE CALENDAR 2012-2013

NOTE: Course Selection must be completed online at www.careercruising.com by February 17, 2012. Our school will be staffed and allowed to provide program based on the course selections submitted to that point.

MY CAREERCRUISNG USER ID: _____

MY CAREERCRUISNG PASSWORD: _____

Clarington Central Secondary School

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www.claringtoncentralss.ca

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Principal's Message

CCSS – A Caring Community for Student Success!

Welcome to Clarington Central Secondary School. Walking into the school, you will be very impressed with the strong commitment to academics and the wide variety of opportunities that our students have access to, both inside and beyond the classroom. We are a busy school, and currently we have approximately 1100 students enrolled here at CCSS. The growth of the school has been quite rapid and we are continually working on our high academic expectations for students. Last year, the grade 9 cohort had a success rate of 95 % and our overall success rate as a school was 92 %. Of our graduates, 34 % went to college, 33 % went to university, 22 % went into workforce and 10% have chosen other routes such as returning to CCSS. Student success is an important part of the school's improvement plan.

There are many activities for students to get involved in at CCSS. Girls' field hockey, boys & girls hockey, soccer, cross country, dance club, DECA business club, lunch buddies and improv group are just a few. Many more opportunities are listed in this calendar. Students also have the opportunity to participate in a range of field trips which support and enhance the curriculum. Leadership class at CCSS provides a unique opportunity for students to learn how to work as a leadership team and our Student Government allows students to organize the events in our school which develop and maintain our culture and traditions. Homework club provides a teacher supported environment in which students can get extra help, complete assignments and access resources after school. Extra-curricular involvement in your school, through sports, cultural or academic pursuits, is a great way to learn new skills while making new friends who will last a lifetime and support you in the transition years.

This school's website is one of the most informative that I have ever worked with, for both students and parents, and continues to be the Board leader for communicating with the community using technology. We will be continuing to move information to our website so parents have easier access to regular class updates. This will help your son/daughter to keep on top of classroom work, and parents will know when assignments and tests are coming up. Our teachers post marks to the website on a regular basis for all of their classes, and students have code names for each course to protect their privacy. Please ask your son/daughter for their code for each class.

I encourage all members of our community and school family to learn more about our initiatives and get involved through School Council, which meets on the last Tuesday of each month at 7:00 pm in the library.

Many exciting happenings are going on at Clarington Central – we're pleased to have you join us!

Wilf Gray, Principal

PRINCIPLES IN PRACTICE

Our principles that guide our practice are what our teachers believe and practice:

Quality Teaching:

- ✍ Implement a variety of teaching methods to meet individual learning needs
- ✍ Focus on making learning real and meaningful
- ✍ Provide encouragement and direction for student to achieve and succeed
- ✍ Be available to provide extra help and support as needed

Making Connections with Students:

- ✍ Create open and inviting classrooms
- ✍ Be positive in their outlook and approach in working with students
- ✍ Be flexible and understanding in meeting individual student needs
- ✍ Take the time to get to know students as people

Community Effectiveness:

- ✍ Regularly up-date students on their progress
- ✍ Maintain open lines of communication with parents
- ✍ Listen to students
- ✍ Communicate positively with the public

Exemplary Role Models to Our Students:

- ✍ Lead by example
- ✍ Respect students
- ✍ Be consistent and fair with rules and expectations
- ✍ Be professional in their approaches to staff, students and the public

Attendance Policy

We believe and know:

- ✍ Regular attendance is essential to student success
- ✍ There are many individual and confidential issues relating to student attendance that must be respected
- ✍ Students who are eighteen or over are adults and will be given the opportunity to assume responsibilities regarding their attendance.

Get Involved . . .

SCHOOL ACTIVITIES, CLUBS & TEAMS

Waterloo Math Contest Club	O.S.A.I.D.	Improv
Cheerleading Team	Student Newspaper	Wind Ensemble
Dance Team	Lunch Buddies	Earth Day
Science Olympics	Self-Esteem	Gamers Club
Impact	Arts Night	Peer Mentors
Homework Club	Jr./Sr. School Reach	Chess Club
Student Leadership	Breakfast Program	CCSS Choir
Fashion Club	Arts Council	Academic Olympics
Ultimate Frisbee	DECA Business Club	Fitness Club
Robotics Club	Athletic Council	Prom Committee
Exchange Programs	Gay Straight Alliance	Swing Machine (JazzBand)

LOSSA SPORTS

Track and Field	Boys Varsity Baseball	Jr. /Sr. Boys Hockey
Boys Varsity Field Lacrosse	Girls Field Hockey	Girls Hockey
Girls Varsity Field Lacrosse	Jr./Sr. Girls Basketball	Girls Soccer
Jr./Sr. Boys Football	Wrestling	Alpine Ski Team
Boys Soccer	Girls Softball	Jr./Sr. Boys Basketball
Badminton	Jr./Sr. Boys Volleyball	Jr./Sr. Girls Volleyball
Cross Country	Rugby	Jr./Sr. Tennis
Golf (stroke play – Fall)	Golf (match play – Spring)	

THE CCSS LUNCH BUDDY PROGRAM

The Lunch Buddy Program matches caring student volunteers with individuals with special needs from Learning & Life Skills (LLS) classes. Lunch Buddy 'matches' get together and share their lunch hour together.

Lunch Buddies also:

- Provide peer mentoring and positive role modeling within our school and community.
- Open the doors of friendship to students with limited social contacts.
- Promote an inclusive spirit.
- Demonstrate the qualities of good citizenship to all students.
- Promote excellence in student leadership by helping students in need to overcome barriers.

The impact on the lives of special needs students is remarkable. Students have the opportunity to develop friendships where none existed before. They are empowered and have a greater sense of acceptance within our school community.

Students are encouraged to improve their social and communication skills with their new friends. For many students with challenges, lunchtime is their favourite period of the day because of their Lunch Buddies.

CLARINGTON CENTRAL SECONDARY SCHOOL COUNCILS



STUDENT GOVERNMENT

In order to encourage the development of the leadership qualities of students and to provide for their direct input into the organization and functions of the school, an active student council is organized led by elected co-prime ministers.

Your student council is an important link between the students and staff. Some of the activities that student council plays a part in include: organizing fund raising, co-ordinating all student activities, establishing and maintaining the student leadership financial budget, organizing dances and spirit events.

SCHOOL ADVISORY COUNCIL

The C.C.S.S. School Advisory Council is comprised of members of the community, an elected staff member, the principal and C.C.S.S. students. The meeting dates and times will be announced in September.

INFORMATION CENTRE

With the coming of the information explosion in the last decade, the Library Information Centre has taken on an expanded role. It offers a comprehensive program of information literacy, which develops, integrates and supports cross-curricular information expectations. The staff provides both formal and informal programs that promote reading, critical thinking, expertise in the use of tools and applications of the Information Age, from traditional print to digital information technologies, and the development of student independence in using information for lifelong learning.

Equitable access to information technology, information skill instruction and a wide range of information is fundamental to achieving the goals and expectations of our education system. The Library Information Centre provides this equity of access. The library houses a collection of books - fiction, non-fiction, and reference works, periodicals, and daily newspapers. The Library also has a collection of DVD's for classroom use, and the CBC News In Review.

The internet provides access to our library catalogue, online subscription databases such as Ebsco, Knowledge Ontario, LitFinder, E-stat and online encyclopedias such as Britannica and World Book. These subscriptions are also accessible from home by staff and students with the appropriate usernames and passwords.

Grade 9 Coyote Retreat

"Be Brave, Believe,
Be Yourself!"

Join your entire grade 9 class, staff and senior mentoring students for a two day retreat at Youth Leadership Camp Canada on the shores of beautiful Lake Simcoe at Orillia. Enjoy high ropes, low ropes, climbing walls, motivational and problem solving games and much, much more. Meet students from the other feeder schools and form the goals and intentions which will guide you through your transition to secondary school.

The cost of the camp is \$100/student with bursaries available -- our goal is for everyone to participate! We will leave at 8:30am on Thursday, September 6, 2012 and return Friday, September 6 at 3:30pm. You will need to bring a sleeping bag, pillow, flashlight, towel, toiletries and suitable clothing for outdoor activities.

Hope to see you there!

NEW STUDENT REGISTRATION INFORMATION

1. Registration Procedures

Students wishing to register at Clarington Central Secondary School are requested to complete a pre-registration package. An interview will be scheduled only when the required documents have been received by the Guidance Department. Required documents may include: authorization form, credit summary or transcript, attendance record, most recent report card, current timetable, current marks, grade 10 literacy test results, IEP (Individual Education Plan) if applicable, photocopy of birth certificate and immunization record, and proof of residency.

To contact the guidance office, please call 905-697-9857 extension 235.

Students registering after June 30th, should be aware that their course selections may be limited by full classes and scheduling restrictions.

2. Bus Information

School bus information is available by calling the Interactive Voice Response System, at any time of day, to access an automated voice summary of your child's bus stop location and pick-up/drop-off times. To access the IVR system, call

1-866-433-4441. You will need to enter your child's OEN (found on the report card) and their birth date.

Should you have difficulty accessing the IVR system, or should you have any questions or concerns about transportation, please call Student Transportation Services at 1-800-757-0307.

3. Student Picture Package

Students may purchase a student picture package until mid-October. The package includes: student photo ID card, professional student picture package, yearbook and agenda. Each item may be purchased separately as well. Cheques are to be made out to **Clarington Central Secondary School**.

4. Athletic Fee

Students participating in varsity sports will be charged a minimum of \$40.00 per team. (Extra fees may be charged for exhibition games and tournaments.)

Bus Information

Student Transportation Services of Central Ontario (STSCO)

www.stsco.ca

*STSCO's office location is:
885 Clonsilla Ave
Peterborough, Ontario
K9J 5Y2*

*Tel : 705-748-5500 or Toll free 1-800-757-0307
Clarington - extension 231
Special Needs Contact - All Areas - extension 241
Fax: 705-748-5323
IVR : 705-748-9240 or Toll free 1-866-433-4441*

Diploma Requirements

ONTARIO SECONDARY SCHOOL DIPLOMA

The Ontario Secondary School Diploma is granted to students who meet the provincial literacy requirement, complete 40 hours of community involvement activities, and earn 30 credits:

Compulsory Credits (total of 18)

- 4 credits in English**
- 3 credits in mathematics**
- 2 credits in science**
- 1 credit in Canadian geography**
- 1 credit in Canadian history**
- 1 credit in the arts**
- 1 credit in health and physical education**
- 1 credit in French as a second language**
- 0.5 credit in career studies**
- 0.5 credit in civics**
- 1 credit from Group 1**
- 1 credit from Group 2**
- 1 credit from Group 3**

Elective Credits (total of 12)

Group 1: additional credit in English, or French as a second language, or a Native language, or a classical or international language, or social sciences and the humanities, or Canadian and World Studies, or guidance and career education, or cooperative education (i.e., course codes beginning with the following letters: E, F, L, H, C, G, or coop)

Group 2: additional credit in health and physical education, or the arts, or business studies, or French as a second language, or cooperative education (i.e., course codes beginning with P, A, B, F, or coop)

Group 3: additional credit in science (gr. 11 or 12), or technological education, or French as a second language, or computer studies, or cooperative education (i.e., courses beginning with S, T, F, or I, or coop)

NOTES:

- Students who are unsuccessful on the Ontario Secondary School Literacy Test (OSSLT) may take a course (OSSLC) to meet the literacy requirement. This course can also be counted as one of the 4 compulsory English courses.
- A maximum of 3 credits in English as a second language (ESL) or English literacy development (ELD) may be counted towards the 4 compulsory credits in English, but the fourth must be a credit earned for a grade 12 compulsory English course.
- In groups 1, 2 and 3, a maximum of 2 credits in French as a second language can count as compulsory credits, one from group 1 and one from either group 2 or group 3.
- A maximum of 2 credits in cooperative education can count as compulsory credits, although there is no limit to the number of coop credits which can be used as elective credits.
- The 12 optional credits can include up to 4 credits earned through approved dual credit courses.

ONTARIO SECONDARY SCHOOL CERTIFICATE

The Ontario Secondary School Certificate is granted upon request to students who leave school before earning the Ontario Secondary School Diploma, provided that they have earned a minimum of 14 credits* distributed as

follows:

Compulsory credits (total of 7)

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

Plus:

Optional credits (total of 7)

7 credits selected by the student from available courses

*A credit is a means of recognition of the successful completion of a course for which a minimum of 110 hours has been scheduled. A credit is granted to a student by the principal of a secondary school on behalf of the Minister of Education.

THE CERTIFICATE OF ACCOMPLISHMENT

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

COMMUNITY INVOLVEMENT DIPLOMA REQUIREMENT

As part of the diploma requirements, students must complete a minimum of 40 hours of community involvement activities. These activities may be completed at any time during their years in the secondary school program.

Students, in collaboration with their parents, will decide how they will complete the community involvement requirement. Community involvement activities may take place in a variety of settings, including not-for-profit organizations, public sector institutions and informal settings. Students may not fulfil the requirement through activities that are counted towards a credit (cooperative education and work experience, for example), through paid work, or by assuming duties normally performed by a paid employee. The requirement is to be completed outside students' normal instructional hours - that is, the activities are to take place in students' designated lunch hours, after school, on weekends, or during school holidays.

EXAMPLES OF ELIGIBLE COMMUNITY INVOLVEMENT ACTIVITIES:

Activities Within the School Community which occur outside of normal instructional hours

- Library/Computer/Science department volunteer at lunch or after school
- Assistant coach or manager of a school team
- Lunchtime intramural assistant/organizer
- Peer mediator
- School leadership position – student council, student athletic association
- Student organizations with community benefits; e.g., SADD
- Student ambassador for feeder school students, open houses, etc.
- Yearbook committee, dance organizer, social convener, etc.

Activities in Support of Individuals in Need

- Students helping elderly or disabled neighbours (if outside instructional time)
- Yard clean up
- Snow shovelling
- Shopping for people requiring assistance
- Visiting senior citizen residences
- Assisting the home bound

Activities in the Larger Community

- Service club clean up projects such as Adopt A Highway
- Coaching a team, leading a cub pack or 4-H club
- Supporting of a community organization at a fair, raffle, tag day
- Special event volunteer, e.g., Christmas or Canada Day Parade organizer
- Canvassing for community organized events, e.g., United Way, etc.
- Charity organization activities, e.g., Boy Scouts Apple Day, Sea Cadet Tag Days, Canadian Cancer Society Daffodil sales, charity car washes, etc.
- Library volunteer, conservation group participation, etc.
- Terry Fox Marathon of Hope, organizer/participant
- Thirty Hour Famine, time spent on organization and canvassing
- Students Supporting Seniors (if outside of normal instructional time)

THE ONTARIO SECONDARY SCHOOL LITERACY DIPLOMA REQUIREMENT

Students will be required to successfully complete the Grade 10 Provincial Secondary School Literacy Test. This test will measure basic levels of literacy and will be based on the literacy expectations up until the end of grade 9. Students who are unsuccessful or who have been deferred at least one time will be required to participate in a remedial class. Secondary school diplomas will **only** be awarded to students who successfully complete this test or the Ontario Literacy Course (OLC4OL) in grade 12.

Accommodations must be made for students taking the test who have an Individual Education Plan (I.E.P.) that describes the required accommodations. This will ensure that students who are taking special education programs will have a fair and equal opportunity to successfully complete the test. The actual content of the test must not be altered.

Deferrals may be granted by the principal to students who have not yet acquired a level of proficiency in English to successfully complete the reading and writing skills appropriate to grade 9.

Exemptions may be granted by the principal to students who have an Individual Education Plan (I.E.P.) and are **not** working toward an Ontario Secondary School Diploma.

SUBSTITUTIONS FOR COMPULSORY CREDITS

In order to allow flexibility in designing a student's program and to ensure that all students can qualify for the secondary school diploma, substitutions may be made for a limited number of compulsory credit courses using

courses from the remaining courses offered by the school that meet the requirements for compulsory credits. To meet individual students' needs, principals may replace up to three of these courses (or the equivalent in half courses) with courses from the remainder of those that meet the compulsory credit requirements. In all cases, however, the sum of compulsory and optional credits will not be less than thirty for students aiming to earn the Ontario Secondary School Diploma, and not less than fourteen for those aiming to earn the Ontario Secondary School Certificate.

TYPES OF SECONDARY SCHOOL COURSES

The secondary school curriculum is organized into several types of courses, which are intended to enable students to choose courses that are suited to their strengths, interests, and goals.

Types of Courses in Grades 9 and 10

Students in grades 9 and 10, in consultation with their parents and teachers, will choose **enriched, academic, applied** or **essential** courses in the following subjects: English, French, geography, history, mathematics, and science. All other grade 9 and 10 courses are **open**. The selection of courses for an exceptional student should be guided by parents, teachers, Special Education staff, and by information in the student's Individual Education Plan. The four types of courses in grades 9 and 10 are defined as follows:

Academic courses develop students' knowledge and skills through the study of theory and abstract problems. These courses focus on the essential concepts of a subject and explore related concepts as well. They incorporate practical applications as appropriate.

Applied courses focus on the essential concepts of a subject, and develop students' knowledge and skills through practical applications and concrete examples. Familiar situations are used to illustrate ideas, and students are given more opportunities to experience hands-on applications of the concepts and theories they study.

(Note: Both types of courses set high expectations for students while preparing them for studies in the senior grades. The two types of courses differ in the balance between essential concepts and additional material, and in the balance between theory and application. In planning courses of study, teachers take into account the need to adapt instructional approaches and materials to reflect the differences between the two course types.)

Open courses are designed to prepare students for further study in a subject, and to enrich their education generally. Open courses comprise a set of expectations that are appropriate for all students.

Essential/Locally Developed

School boards may apply for permission to offer courses that have been designed to meet the particular needs of the students in their schools. Such a course may not be described in a ministry curriculum policy document, and may not meet the compulsory graduation requirements as set out above. School boards **are** allowed to develop one course in each of grade 9 English, mathematics and science and in grade 10 English, mathematics, and history that **are** acceptable as compulsory courses. A student may count no more than six such courses as compulsory credits. Students who are successful in grade 9 applied math will be able to proceed to grade 10 academic math **only** upon successful completion of a .5 credit transfer course. (More information on transfer courses on p.6)

Types of Courses in Grades 11 and 12

Students in grades 11 and 12, will choose from among destination-related course types: **university** preparation, **university/college** preparation, **college** preparation and **workplace** preparation. **Enriched** and **open** courses

are also offered in certain subjects in grades 11 and 12. Students will make their choices on the basis of their interests, past achievement, and career goals. All destination-related courses have been developed in collaboration with representatives of universities, colleges, apprenticeship programs, or the business community, as appropriate, and are designed to enable students to meet the entrance requirements of post secondary institutions or apprenticeship or other training programs, or the expectations of employers in the workplace. The following is a brief description of the types of courses that are offered in Grades 11 and 12.

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

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

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

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

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

Prerequisites are specified for many courses offered in grades 11 and 12. They are identified in the curriculum policy documents.

Ministry of Education Approved Transfer Courses

A transfer course is a partial credit course that bridges the gap between courses of two different types in the same subject and grade. Students who revise their educational and career goals and who wish to change from one destination-related stream to another in a particular subject may often do so by taking a transfer course. Transfer courses enable students to achieve the expectations not covered in one course type but required for entry into a course in the next grade. For example, the prerequisite for the grade 10 academic preparation course in mathematics is the grade 9 academic course in mathematics. A student who is taking the applied mathematics course in grade 9 but who decides to enter the academic preparation course in grade 10 may do so by taking a transfer course. The transfer course can be taken at summer school.

Note: Although transfer courses may be offered through summer school, the availability of any given course will depend on the number of students who request the program.

COURSE CODES

The first 3 characters indicate the subject or discipline, the 4th character the grade level, and the 5th character the type of course. The 6th character is for local school use. At Clarington Central Secondary School we use the 6th character to indicate the credit value of the course. Below is an example: ENG3U1 ENG=English, 3=grade 11, U=university preparation, 1=1 credit

PRIOR LEARNING ASSESSMENT AND RECOGNITION

Prior learning includes the knowledge and skills that students have acquired, in both formal and informal ways, outside secondary school. This formal evaluation and accreditation process is known as Prior Learning Assessment and Recognition (P.L.A.R.). The P.L.A.R. process involves two components: “challenge” and equivalency. The “challenge process” refers to the process whereby students’ prior learning is assessed for the purpose of granting credit for a course developed from a provincial curriculum policy document. Determining equivalency involves the assessment of credentials from other jurisdictions.

A maximum total of four credits may be granted through the challenge process for grade 10, 11, and 12 courses, with no more than two in any one subject area. Students may challenge courses only after the course has been in place for at least one year.

P.L.A.R. Challenge Process

If students are interested in challenging a course for credit, they should obtain an information package from the Principal. This package will outline the detailed, subject-specific requirements for the process. Students and their parents or guardians should be aware of the following:

- ! The challenge process must be completed independently.
- ! School staff and resources will not be provided.
- ! The process will require that the student present compelling evidence that they are likely to be successful in the challenge before their application is accepted.
- ! All costs related to collecting the required evidence, carrying out the preparatory work for the credit and attending the final assessment for the course, are the responsibility of the student.

The challenge and equivalency procedures are also available to mature students - that is, students who are eighteen years of age or over (i.e. adults) who are returning to school to earn a diploma after being out of high school for at least one year. However, requirements concerning application of these procedures differ for this group because of their broader life experience. Principals will determine the number of credits, including compulsory credits that a mature student needs in order to meet diploma credit requirements. Up to 16 grade 9 and 10 credits may be granted to a mature student at the discretion of the principal following individual assessment.

Mature students may earn 10 of the 14 remaining grade 11 and 12 credits needed to meet diploma requirements in three ways:

- ! they may demonstrate achievement of the required secondary school curriculum expectations and receive credit through the challenge process;
- ! they may present education and/or training credentials for assessment through the equivalency process; or
- ! they may take the course.

Mature students will earn a minimum of 4 grade 11 and 12 credits by taking the course at a secondary school, through correspondence, or through any of the alternative ways described below.

Mature students working toward the O.S.S.D. under O.S.S. must also satisfy the diploma requirements with regard to the provincial secondary school literacy test. Principals will determine the number of hours of community involvement activities that a mature student will have to complete.

PLANNING, ASSESSMENT, EVALUATION AND

COMMUNICATION GUIDELINES

These guidelines support consistency, fairness and academic honesty.

Developing and Selecting Methods for Assessment

Assessment and evaluation practices must be:

- a) focused on improving student learning
- b) linked to course expectations
- c) communicated in advance to the student
- d) reviewed on a regular basis

Collecting Assessment Information

In order to improve both classroom instruction and student learning, the staff at Clarington Central Secondary will utilize a variety of assessment tools that provide opportunities for all learners to demonstrate acquired knowledge, skills and attitudes. All students will receive clear course outlines that list the Ministry guidelines for compulsory evaluation components such as exams and independent study units. These outlines will also list other components for evaluation such as tests and assignments.

Judging and Scoring Student Performance

Evaluation will include information from a variety of sources such as process, product, teacher, self and peer.

Summarizing and Interpreting Results

Results are used to improve instruction and learning and report progress to students and parents/guardians.

Reporting Assessment Findings

Student achievement must be communicated formally to students and parents by means of the Provincial Report Card, Grades 9-12. The report card focuses on two distinct but related aspects of student achievement: the achievement of curriculum expectations and the development of learning skills. To more clearly reflect these two aspects of student achievement, the report card contains separate sections for reporting on achievement of the curriculum expectations and for reporting on demonstrated skills required for effective learning.

The report card also includes teachers' comments on the student's strengths, areas in which improvement is needed, and ways in which improvement might be achieved. Separate sections are provided for recording attendance and lateness in each course.

The following table provides a summary description of achievement in each percentage grade range and corresponding level of achievement.

Percentage Grade	Achievement Level	Summary Description
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80-100%	Level 4	A very high to outstanding level of achievement. Achievement is <i>above</i> the provincial standard.
70-79%	Level 3	A high level of achievement. Achievement is <i>at</i> the provincial standard.
60-69%	Level 2	A moderate level of achievement. Achievement is <i>below, but approaching</i> , the provincial standard.
50-59%	Level 1	A passable level of achievement. Achievement is <i>below</i> the provincial standard.
Below 50%		Insufficient achievement of curriculum expectations. A credit will not be granted.

Level 3 (70-79%) is the provincial standard. Teachers and parents can be confident that students who are achieving at level 3 are well prepared for work in the next grade or the next course.

Keywords in Assessments, Tasks and Activities

Throughout the assessment, key words are used to identify the type of response required from you. The key words are explained below. Refer to this reference to make sure you are responding fully to each question.

Compare: Tell what is the same and what is different.

Describe: Use words to create a mental picture for the reader.

Determine: Use mathematics to find a solution to the problem.

List: Use point form.

Explain: Use words and symbols to make your solution clear.

Justify: Give reasons and evidence (facts) to show your answer is correct.

Show your work: Record all calculations and all the steps you went through to get your answer. You may use words, numbers, graphs, diagrams, symbols and/or charts.

ACADEMIC HONESTY POLICY

Students at Clarington Central Secondary School are expected to demonstrate academic honesty and integrity in all work completed. It is in the best interests of each student to build habits, which contribute to genuine academic, personal and social growth. Beginning in Grade 9, students will be taught the need for academic honesty, as well as how to document sources and references appropriately.

Incidents of plagiarism and cheating will be dealt with as serious consequences. Any student caught cheating on a quiz, test or exam will receive a mark of “0” (zero) on that quiz, test or exam. No rewrites will be permitted. Students will not represent someone else’s work as their own, and they will acknowledge their use of another’s intellectual property through proper documentation.

As defined in KPR Board Policy

Plagiarism is defined in the Kawartha Pine Ridge DSB’s Assessment and Evaluation Policy as “... using words, numbers, graphics, photos, music, ideas or any work of another as one’s own without proper referencing. Students must always acknowledge others’ work (writing, ideas, graphics, data, music, etc) by citing sources, even those from the internet correctly.”

Cheating is defined in the Policy as, “dishonest behaviour or attempted dishonest behaviour during tests, examinations or in the creation of assignments for evaluation.”

For further information refer to the school’s website, student agenda planner and/or the KPR Board’s website.

Assessment & Evaluation Procedures

All course assignments are considered important opportunities for students to demonstrate their achievement of the course expectations. To foster a culture of responsibility and ensure fairness to all students, the following will take place in the event of missed assignments/assessments.

Students who are aware of absences in advance (doctor or specialist appointment, school trip or activity) need to discuss expectations with their teachers before their absence. It is the student’s responsibility to inform their teacher and make the necessary arrangements in advance.

Late/Missed assignments:

These guidelines refer to assignments determined by the teacher to be significant assessments for evaluation (*assessment of learning*) that have a suggested course value of 5 % or more. **THIS APPLIES TO ALL GRADES AND ALL LEVELS.**

i) Teachers will Clearly Set Due Date for Assignment

- All assignments are due at the BEGINNING of class
- clearly laid out success criteria (marking scheme, rubric)
- a reasonable amount of time to complete the assignment (in class and at home)
- consider IEP needs

ii) 3 Late Days (school days)

- assignments are due at the beginning of class
- each school day a deduction of 5 %
- up to 3 days

- teacher needs to contact parents/guardians (note, email, phone call) to inform assignment is late

iii) After 3 days

- assignment still needs to be completed by the student in front of the teacher or designate for a reduced mark (up to 50 %)
- teacher & student arrange a schedule of time(s) (lunch, after school, homework club)
- teacher informs the parent/guardian of the schedule and the opportunity student has to complete work for evaluation (note, email, phone call)
- if student fails to show up for extra support and does not complete the work, the teacher can assign a zero

What if I am Absent The Day an Assignment is Due?

- parent/guardian or student phone the school or email the teacher that morning to inform the teacher why they are legitimately absent

- the student (parent/guardian) need to submit the assignment to the their classroom teacher; if assignment can be dropped off during the school day or emailed

- if family emergency then drop off assignment to the classroom teacher next school day (with parent/guardian note)

- if absent and no contact made; it will be the teacher's professional judgment to decide if the assignment is late or submitted on time

SUMMARY CHART OF GRADE 9 AND 10 COURSES

SUBJECT	ACADEMIC		APPLIED		OPEN		WORKPLACE	
	9	10	9	10	9	10	9	10
ART					ADA101 AMI101 AMI10N AVI101	ADA201 ALC201 AMI201 AMI20N AMV201 ATC201 AVI201		
BUSINESS					BTT101	BBI201		
CANADIAN & WORLD STUDIES	CGC1D1	CHC2D1	CGC1P1	CHC2P1		CHV205		CHC2L1
ENGLISH	ENG1D1 ENG1DA	ENG2D1 ENG2DA	ENG1P1	ENG2P1			ENG1L1	ENG2L1
FRENCH & INTERNATIONAL STUDIES	FSF1D1	FSF2D1 LWSBD1	FSF1P1	FSF2P1				
GUIDANCE & CAREER EDUCATION						GLC205		
HEALTH & PHYSICAL EDUCATION					PPL10B PPL10G	PAF201 PPL201		
MATHEMATICS	MPM1D1 MPM1DA	MPM2D1 MPM2DA	MFM1P1	MFM2P1			MAT1L1	MAT2L1
SCIENCE	SNC1D1 SNC1DA	SNC2D1 SNC2DA	SNC1P1	SNC2P1			SNC1L1	
SOCIAL SCIENCES & HUMANITIES						HFN201		
SPECIAL EDUCATION					GLE101	GLE201		
TECHNOLOGY					TIJ101	TDJ201 TFJ201 TGJ201 TXJ201		

SUMMARY CHART OF GRADE 11 AND 12 COURSES

SUBJECT	UNIVERSITY		UNIVERSITY/COLLEGE		COLLEGE		OPEN/WORKPLACE	
	11	12	11	12	11	12	11	12
ART			ADC3M1 ADD3M1 AMU3M1 AVI3M1	ADA4M1 AMU4M1 AMV4M1 ATC4M1 AVI4M1			AMG3O1 AMV3O1 ATC3O1 ATP3M1 AWA3O1 AWP3O1	
BUSINESS			BAF3M1	BAT4M1 BBB4M1 BOH4M1	BMI3C1		BDP3O1 BTA3O1 BMX3E1	BAN4E1
CANADIAN & WORLD STUDIES		CGW4U1 CHY4U1 CHY4UA VCIA4U* CLN4U1 CPW4U1	CHW3M1 CLU3M1	CHY4C1			CGG3O1 CLU3E1 NBV3E1	
COMPUTER STUDIES	VICS3U*	VICS4U*			VICS3C*	VICS4C*		
ENGLISH	ENG3U1 ENG3UA	ENG4U1 ENG4UA ETS4U1 EWC4U1			ENG3C1	ENG4C1 EWC4C1	EMS3O1 ENG3E1 EPS3O1 OLC4OL	ENG4E1
FRENCH & INTERNATIONAL LANGUAGES	FSF3U1 LWSCU1	FSF4U1 LWSDU1						
GUIDANCE & CAREER EDUCATION			CO-OP	CO-OP	CO-OP	CO-OP	CO-OP GPP3O1	CO-OP GOLD COLLAR OYAP
HEALTH & PHYSICAL EDUCATION		PSE4U1				PLF4C1	PAD3O1 PAF3O1 PPL3O1 PPZ3O1	PAL4O1 PPL4O1
MATHEMATICS	MCR3U1 MCR3UA	MCV4U1 MDM4U1 MHF4U1	MCF3M1		MBF3C1	MAP4C1 MCT4C1	MEL3E1	MEL4E1
SCIENCE	SBI3U1 SBI3UA SCH3U1 SCH3UA SPH3U1 SPH3UA	IDC4U1 SBI4U1 SBI4UA SCH4U1 SCH4UA SPH4U1 SPH4UA	SVN3M1	SNC4M1 TPJ4M1	SBI3C1	SCH4C1 SPH4C1	SVN3E1	SNC4E1
SOCIAL SCIENCES & HUMANITIES		HZT4U1	HRT3M1 HSP3M1	HHS4M1 HSB4M1			HIP3E1 HPC3O1 HQB3O1	
SPECIAL EDUCATION							GLE3O1	
TECHNOLOGY			TDJ3M1 TDP3M1 TDV3M1 TGI3M1 TGG3M2 TGV3M1	TDV4M1 TDP4M1 TGG4M1 TGJ4M1 TGP4M1	TFJ3C1	TFJ4C2	TFJ3E1 TFJ4E2 TDJ3O1 TXJ3E1	TGJ4O1 TXJ4E2

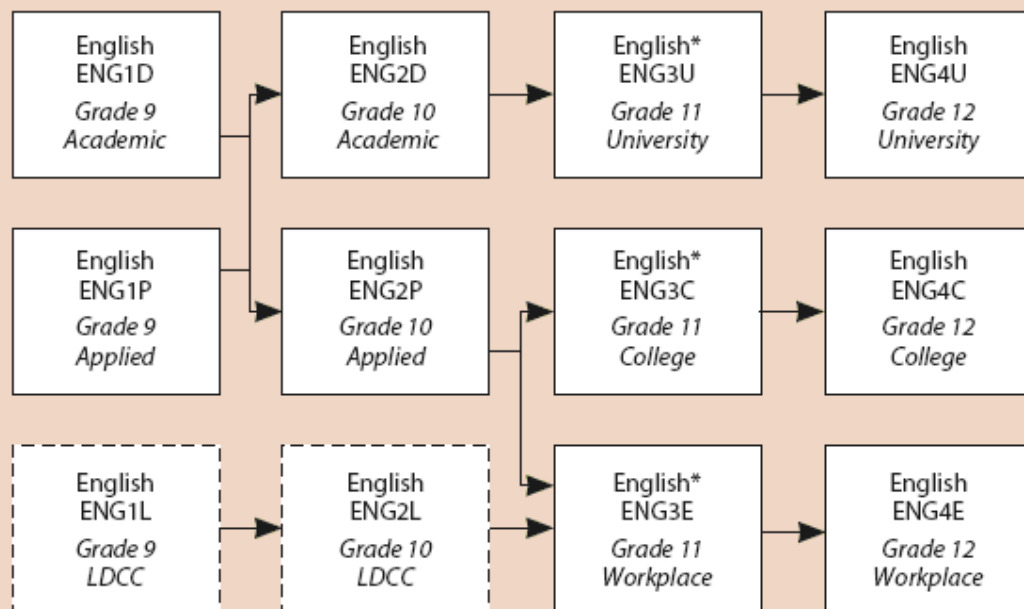
* Elearning Opportunity

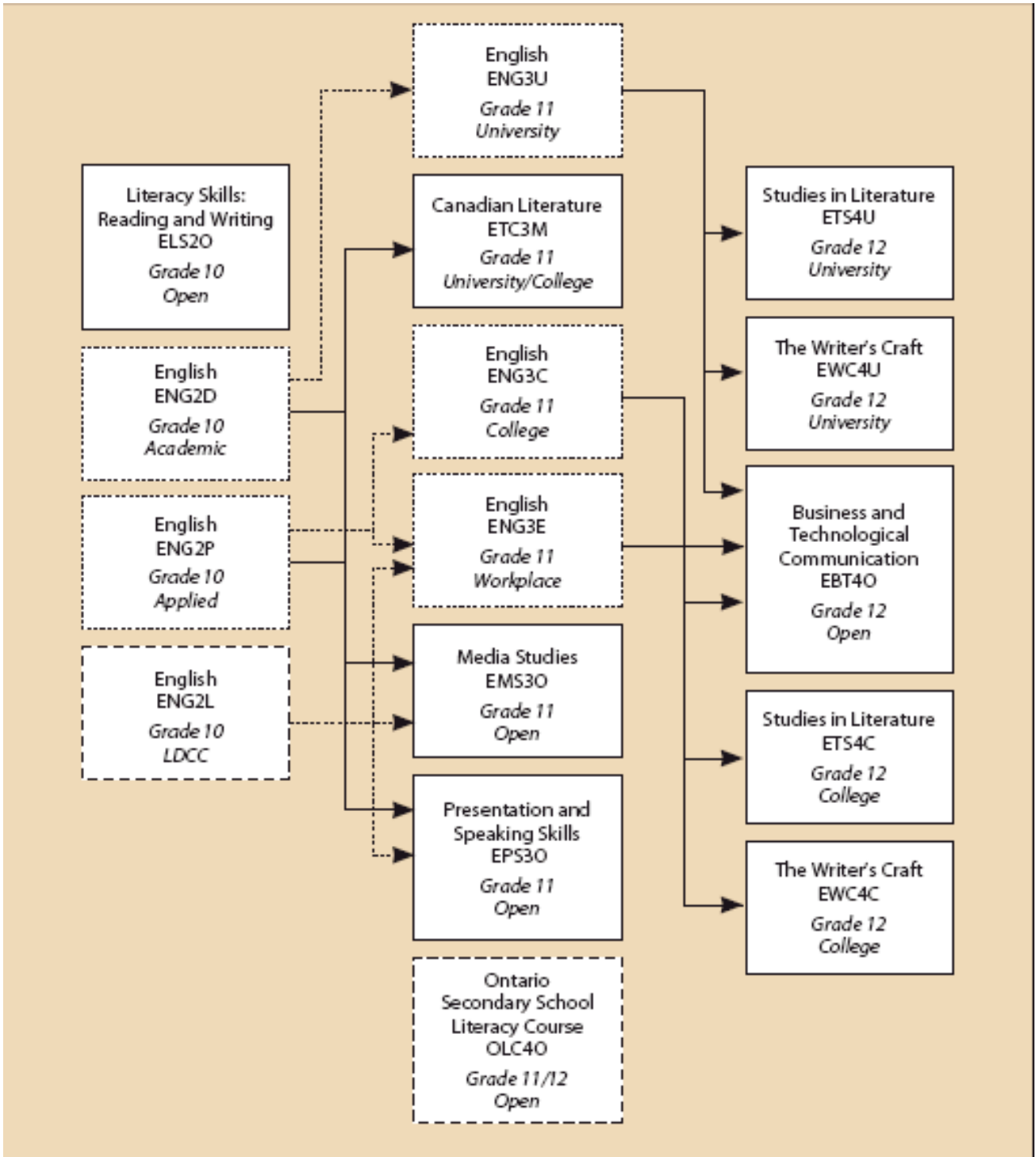
Prerequisite Charts

Prerequisite Charts for English, Grades 9–12

These charts map out all the courses in the discipline and show the links between courses and the possible prerequisites for them. They do not attempt to depict all possible movements from course to course.

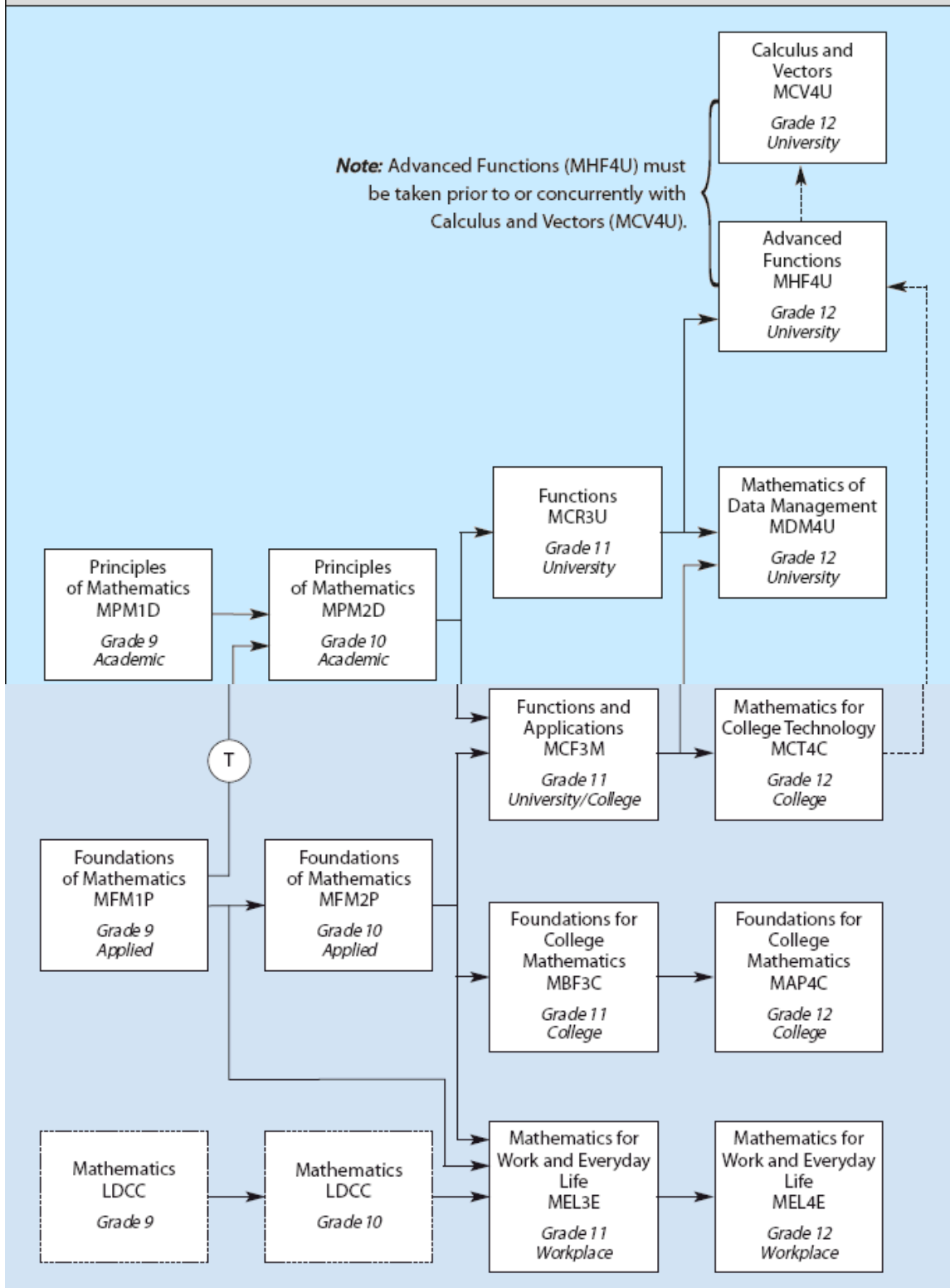
Compulsory Courses





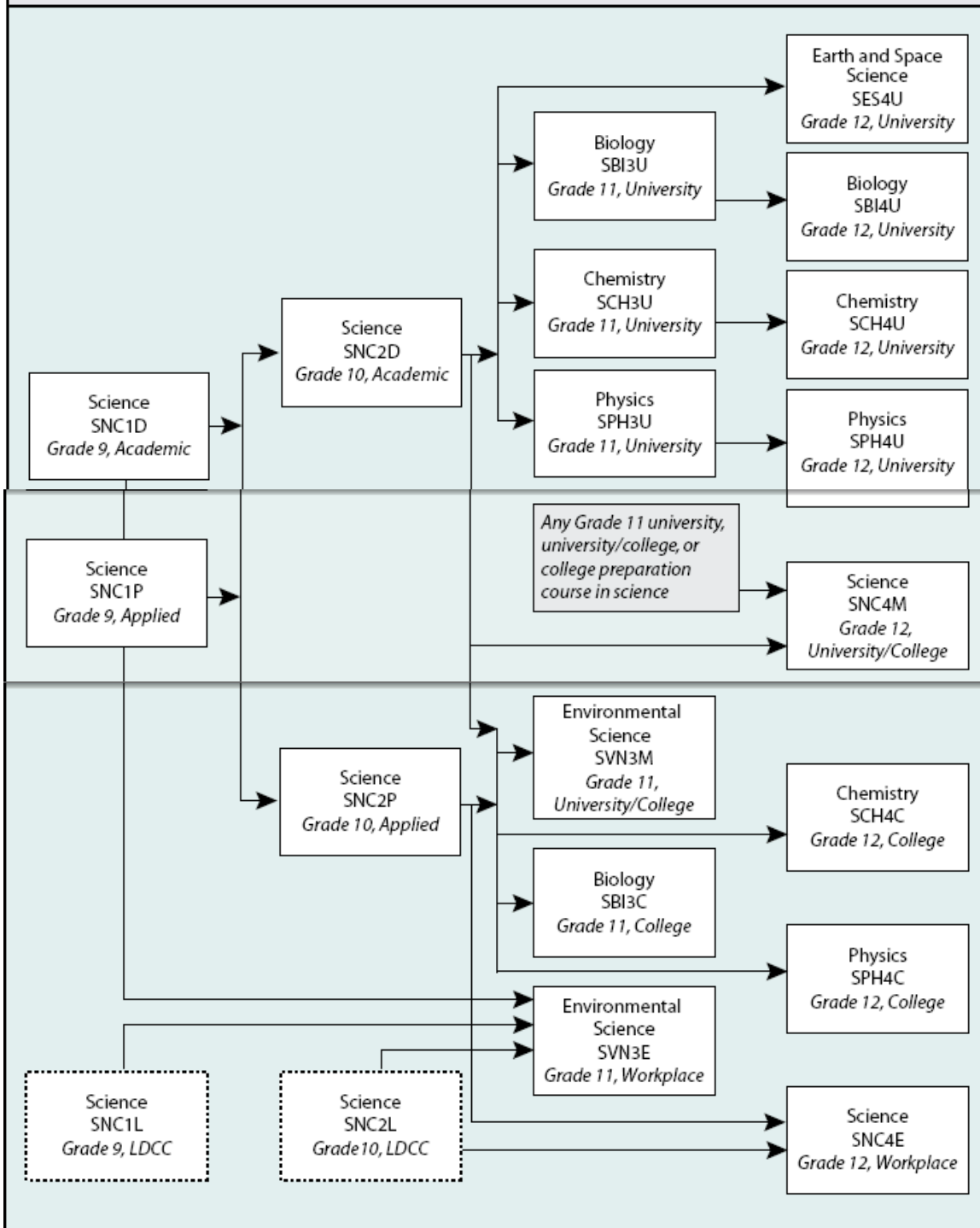
Prerequisite Chart for Mathematics, Grades 9–12

This chart maps out all the courses in the discipline and shows the links between courses and the possible prerequisites for them. It does not attempt to depict all possible movements from course to course.



Prerequisite Chart for Science, Grades 9–12

This chart maps out all the courses in the discipline and shows the links between courses and the prerequisites for them. It does not attempt to depict all possible movements from course to course.



Recommended Mark/Level Range for Course Selection

Current Courses Level	Current Courses Mark Range	Recommended Course Type	
		Grade 9/10	Grade 11/12
Level 3 or 4	70 - 100%	Academic or Applied	University or College
Level 2 or 3	60 - 69%	Applied or Essential	College or Workplace
Level 1 or below	Failure - 59%	Essential	Workplace

PROCEDURES FOR COURSE CHANGES

Students wishing to make course changes must do so through the **Guidance and Career Education Department, by appointment only, and on a first come first serve basis.** This must be done within 5 days of the beginning of the semester, providing there is room in the class they wish to change to and they have parental consent (for students under 18 years of age). All students are strongly recommended to take four credits per semester until they have earned a total of 24 credits.

GOAL OF LITERACY AT C.C.S.S.

At Clarington Central Secondary School, literacy instruction will respect and appreciate the diverse experiences of all our students while aiming to stimulate and extend their communication and thinking skills. The preparation for the provincial literacy test, while important, will be only one part of a cross-curricular process that will allow students to develop positive attitudes and to become effective communicators as readers and writers.

ALTERNATIVE WAYS OF EARNING CREDITS

The majority of secondary school students will earn their credits toward the Ontario Secondary School Diploma by enrolling in the courses offered in their secondary school. However, a number of students may wish to consider alternative ways of earning the required credits. The options available to such students include:

- continuing education (including the Centre of Individual Studies, summer school, and night school)
- correspondence courses offered by the Independent Learning Centre
- e-Learning
- independent study
- private study

CREDIT RECOVERY

Credit recovery is designed to provide students who have fallen significantly behind in credit accumulation with both an opportunity to recover failed credits and to acquire the requisite knowledge, skills and attitudes to be successful for further learning. Students participating in the credit recovery class are able to recover up to two credits, while earning a third credit in Learning Strategies (GLS10). Emphasis in the class is for students to demonstrate achievement of overall course expectations in the subjects they are attempting to recover. The school's Student Success Team deems students eligible for credit recovery. For more information on eligibility, contact the guidance dept.

e-LEARNING

Online learning, or eLearning, is the delivery of programs using the internet. It is a form of learning that is becoming more popular with secondary school students, post-secondary learning institutions and professional learning situations world-wide. Most students will encounter online learning at some point in their academic and/or career future.

Online learning provides a different learning experience for students. Online learning:

- allows students to learn in a more independent environment
- enables students to learn in a more flexible learning environment
- supports inquiry and project-based learning
- increases their technology skill set for future learning
- assists students in developing the skills needed for the 21st Century

The following e-Learning courses will be offered for the 2010-2011 school year.

BAF3M Financial Accounting Fundamentals
BAT4M Financial Accounting Principles
BBB4M International Business Fundamentals
BDI3C Entrepreneurship: The Venture
BMI3C Marketing: Goods, Services, Events
BOH4M Business Leadership: Management Fundamentals
CIA4U Analysing Current Economic Issues
CLN4U Canadian and International Law
COOP Continuous Intake
EMS3O Media Studies
ENG4C English
ENG4U English
EWC4U The Writer's Craft
FSF4U Core French
GWL3O Designing Your Future
HHS4M Individuals and Families in a Diverse Society
HLS3O Living Spaces and Shelter
HSB4M Challenge and Change in Society
HZT4U Philosophy: Questions and Theories
ICS3C Introduction to Computer Programming / ICS4C Computer Programming
ICS3U Introduction to Computer Science
MCT4C Mathematics for College Technology
MCV4U Calculus and Vectors
MDM4U Mathematics of Data Management
MEL3E Mathematics for Work and Everyday Life
PPZ3O Health for Life

Students must complete a separate ONLINE e-Learning registration in addition to their course option sheet. Visit the school website at www.claringtoncentralss.ca and follow the links to the Guidance page and Elearning.

Further information concerning these options is available from the Guidance and Career Education

Department.

SPECIALIST HIGH SKILLS MAJOR

The Ministry of Education has granted CCSS the opportunity to offer four Specialist High Skills Major (SHSM) programs. These programs give students the opportunity to specialize in the subject area of choice by enrolling in a specially designed bundle of courses that will grant them an SHSM designation on their diploma. Along with subject courses, students will receive sector-recognized certifications and experiential learning opportunities. A SHSM allows students to make informed decisions regarding post-secondary designation and to customize their secondary school education to suit their interests and talents.

SHSM Programs offered at CCSS include:

- Arts and Culture
- Business
- Culinary Arts
- Digital Design Production
- Non-Profit/Social Justice

For more information on enrolling for the Specialist High Skills Major, contact Kelly Bailey, SHSM Coordinator.

DUAL CREDITS

Dual Credit Courses are courses for which the student earns both secondary school credit(s) and college credit(s). Select the given course code as part of your course selection to apply for these programs. For the Centre for Success Program you must complete a Coop application form, and indicate Centre for Success as your preferred placement.

Proposed Dual Credit Opportunities for 2012-13 Pending Ministry Approval:

Team Taught at CCSS:

For these courses a college professor will team teach with the regular classroom teacher once a week to deliver the college curriculum.

BOH4M1 Business Leadership/Developing Effective Business Teams

BMI3C1 Marketing/Marketing 1

MCT4C1 Math for Technology

TFJ4C2 Hospitality/International Culinary

TPJ4M1 Health & Wellness

WRK5O4 Centre for Success Top Up Program:

This program is intended for students who are in their 4th or 5th year who are candidates for credit recovery or behind in credits to graduate. Students will attend secondary school classes/credit recovery in a Durham classroom with a Clarington Central teacher, they will participate in coop placements monitored by Clarington teachers, and will enroll in a college course of their choosing for the dual credit component. Students will benefit from a change in environment, flexibility, and an introduction to the college atmosphere. These students will be granted the privileges and responsibilities of a Durham College student.

Grade 9 Courses

Select one of each of the following compulsory courses:

- ✓ English
- ✓ Canadian Geography
- ✓ Mathematics
- ✓ Science
- ✓ Health & Physical Education
- ✓ French

and 2 electives chosen from the Arts, Business and Technology

GRADE: 9

Arts

Drama

ADA101 Dramatic Arts

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

CREDIT: 1 **TYPE:** Open **GRADE:** 9

Integrated Arts

ALC201 Integrated Arts

This course integrates two or more of the arts (dance, drama, media arts, music, and visual arts), giving students the opportunity to produce and present integrated art works created individually or collaboratively. Students will demonstrate innovation as they learn and apply concepts, styles, and conventions unique to the various arts and acquire skills that are transferable beyond the classroom. Students will use the creative process and responsible practices to explore solutions to integrated arts challenges. This course is designed for students who would prefer a general exposure to the arts.

CREDIT: 1 **TYPE:** Open **GRADE:** 10

Music

AMI101 Instrumental Music - Experienced

This course emphasizes the performance of music at a level that strikes a balance between challenge and skill and is aimed at developing technique, sensitivity, and imagination. Students will participate in creative activities that teach them to listen with understanding. They will also learn correct musical terminology and its appropriate use.

CREDIT: 1 **TYPE:** Open **GRADE:** 9

AMI10N Instrumental Music - Beginner

This course emphasizes the performance of music at a level that strikes a balance between challenge and skill and is aimed at developing technique, sensitivity, and imagination. Students will participate in creative activities that teach them to listen with understanding. They will also learn correct musical terminology and its appropriate use.

CREDIT: 1 **TYPE:** Open **GRADE:** 9

Visual Arts

AVI101 Visual Arts

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.

CREDIT: 1 **TYPE:** Open **GRADE:** 9

Business

BTT101 Information and Communication Technology in Business

This course introduces students to information and communication technology in a business environment and builds a foundation of digital literacy skills necessary for success in a technologically driven society. Students will develop word processing, spreadsheet, database, desktop publishing, presentation software, and website design skills. Throughout the course, there is an emphasis on digital literacy, effective electronic research and communication skills, and current issues related to the impact of information and communication technology. Students will be able to transfer the skills and understanding acquired in this course to activities in other courses and outside the classroom.

CREDIT: 1 **TYPE:** Open **GRADE:** 9

Canadian and World Studies

Geography

CGC1D1 Geography of Canada

This course explores Canada's distinct and changing character and the geographic systems and relationships that shape it. Students will investigate the interactions of natural and human systems within Canada, as well as Canada's economic, cultural, and environmental connections to other countries. Students will use a variety of geotechnologies and inquiry and communication methods to analyse and evaluate geographic issues and present their findings.

CREDIT: 1 **TYPE:** Academic **GRADE:** 9

CGC1P1 Geography of Canada

This course focuses on geographic issues that affect Canadians today. Students will draw on personal and everyday experiences as they learn about Canada's distinct and changing character and the natural and human systems and global influences that shape the country. Students will use a variety of geotechnologies and inquiry and communication methods to examine practical geographic questions and communicate their findings.

CREDIT: 1 **TYPE:** Applied **GRADE:** 9

CGC1PN Geography of Canada, Accommodated

This course focuses on geographic issues that affect Canadians today. Students will draw on personal and everyday experiences as they learn about Canada's distinct and changing character and the natural and human systems and global influences that shape the country. Students will use a variety of geotechnologies and inquiry and communication methods to examine practical geographic questions and communicate their findings. This section of Applied Canadian Geography is run with a smaller than typical class size and additional academic supports and accommodations for students with special needs. Recommended for students enrolled in essential level English and Math. Admission with principal's discretion.

CREDIT: 1 **TYPE:** Applied **GRADE:** 9

English

ENG1D1 English - Grade 9 Academic

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

CREDIT: 1 **TYPE:** Academic **GRADE:** 9

ENG1DA English - Grade 9 Enriched

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.

COURSE NOTE: 80% in grade 8 English and/or the recommendation of the grade 8 teacher is required.

CREDIT: 1 **TYPE:** Enriched Courses **GRADE:** 9

ENG1L1 English - Grade 9 Locally Developed

This course prepares students for Grade 10 Locally-developed English (ENG2L). It provides foundational literacy and communication skills to students for success in their daily lives and in the workplace. The course is organized by strands that develop listening and talking skills, reading and viewing skills, and writing skills. In all strands, the focus is on developing foundational literacy skills and in using language clearly and accurately in a variety of authentic contexts. Students reflect regularly upon their growth in these areas.

CREDIT: 1 **TYPE:** Locally Developed **GRADE:** 9

ENG1P1 English - Grade 9 Applied

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

or workplace preparation courses in Grades 11 and 12.

CREDIT: 1 **TYPE:** Applied **GRADE:** 9

Health and Physical Education

PPL10B Healthy Active Living Education - Grade 9 Male

This course emphasizes regular participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Students will learn movement skills and principles, ways to improve personal fitness and physical competence, and safety and injury prevention. They will investigate issues related to healthy sexuality and the use and abuse of alcohol, tobacco, and other drugs, and will participate in activities designed to develop goal-setting, communication, and social skills.

CREDIT: 1 **TYPE:** Open **GRADE:** 9

PPL10G Healthy Active Living Education - Grade 9 Female

This course emphasizes regular participation in a variety of enjoyable physical activities that promote lifelong healthy active living. Students will learn movement skills and principles, ways to improve personal fitness and physical competence, and safety and injury prevention. They will investigate issues related to healthy sexuality and the use and abuse of alcohol, tobacco, and other drugs, and will participate in activities designed to develop goal-setting, communication, and social skills.

CREDIT: 1 **TYPE:** Open **GRADE:** 9

Languages - Moderns

French

FSF1D1 Core French - Grade 9 Academic

This course emphasizes the further development of oral communication, reading, and writing skills. Students will build on and apply their knowledge of French while exploring a variety of themes, such as relationships, social trends, and careers. Thematic readings, which include a selection of short stories, articles, and poems, will serve as stepping stones to oral and written activities.

CREDIT: 1 **TYPE:** Academic **GRADE:** 9

FSF1P1 Core French - Grade 9 Applied

This course emphasizes the concurrent development of oral communication, reading, and writing skills, using a broad-based theme such as the media. Students will enhance their ability to understand and speak French through conversations, discussions, and presentations. They will also read short stories, articles, poems, and songs, and write brief descriptions, letters, dialogues, and invitations.

CREDIT: 1 **TYPE:** Applied **GRADE:** 9

Mathematics

MAT1L1 Mathematics - Grade 9 Locally Developed

This course focuses on the knowledge and skills required to be well prepared for success in the Grade 10 Locally-developed Mathematics (MAT2L). It will support students in developing and enhancing strategies that they need to develop mathematical literacy skills and the confidence to use these skills in their day-to-day lives. The areas of Money Sense, Measurement and

Proportional Reasoning form the basis of the course content.

CREDIT: 1 **TYPE:** Locally Developed **GRADE:** 9

MFM1P1 Foundations of Mathematics - Grade 9 Applied

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.

COURSE NOTE: Students are required to write the EQAO provincial test at semester end.

CREDIT: 1 **TYPE:** Applied **GRADE:** 9

MPM1D1 Principles of Mathematics - Grade 9 Academic

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.

COURSE NOTE: Students are required to write the EQAO provincial test at semester end.

CREDIT: 1 **TYPE:** Academic **GRADE:** 9

MPM1DA Principles of Mathematics - Grade 9 Enriched

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.

COURSE NOTE: 85% in grade 8 mathematics and/or the recommendation of the grade 8 teacher is required.

Students enrolled in MPM1DA will participate in the Waterloo Math Contest in February.

Students are required to write the EQAO provincial test towards the end of the semester.

CREDIT: 1 **TYPE:** Enriched Courses **GRADE:** 9

Science

SNC1D1 Science - Grade 9 Academic

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. Students will gain skills in laboratory techniques such as using a microscope, chemical safety and building electrical circuits. Space exploration will be covered as well.

CREDIT: 1 **TYPE:** Academic **GRADE:** 9

SNC1DA Science - Grade 9 Enriched

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.

COURSE NOTE: 80% in grade 8 science and/or the recommendation of the grade 8 teacher is required.

CREDIT: 1 **TYPE:** Enriched Courses **GRADE:** 9

SNC1L1 Science - Grade 9 Locally Developed

This course prepares students for Grade 10 Locally-developed Science (SNC2L) and/or Grade 11 Workplace Science (SNC3E). This course reinforces and strengthens science-related knowledge and skills, including scientific inquiry, critical thinking and the relationship between science, society and the environment. Students explore a range of topics including Science in Daily Life, Properties of Common Materials, Staying Alive: Life Sustaining Processes, and Electrical Circuits.

CREDIT: 1 **TYPE:** Locally Developed **GRADE:** 9

SNC1P1 Science - Grade 9 Applied

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.

CREDIT: 1 **TYPE:** Applied **GRADE:** 9

Special Education

GLE101 Learning Strategies 1: Skills for Success in Secondary School

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.

COURSE NOTE: Recommendation of principal required.

CREDIT: 1 **TYPE:** Open **GRADE:** 9

Technology

TIJ101 Exploring Technologies

This course enables students to further explore and develop technological knowledge and skills introduced in the elementary science and technology program. Students will be given the opportunity to design and create products and/or provide services related to the various technological areas or industries, working with a variety of tools, equipment, and software commonly used in industry. Students will develop an awareness of environmental and societal issues, and will begin to explore secondary and postsecondary education and training pathways leading to careers in technology-related fields. Students will have the opportunity to rotate through different areas of technology offered at CCSS which may include communications, computers, culinary, technological design and personal care, depending on timetable availability.

CREDIT: 1 **TYPE:** Open **GRADE:** 9

Grade 10 Courses

Select one of each of the following compulsory courses:

- ✓ English
- ✓ Canadian History
- ✓ Mathematics
- ✓ Science
- ✓ Careers
- ✓ Civics

and 3 electives

GRADE: 10

Arts

Dance

ATC201 Dance

This course emphasizes the development of students' technique and creative skills relating to the elements of dance and the tools of composition in a variety of performance situations. Students will identify responsible personal and interpersonal practices related to dance processes and production, and will apply technologies and techniques throughout the process of creation to develop artistic scope in the dance arts.

CREDIT: 1 **TYPE:** Open **GRADE:** 10

Drama

ADA201 Dramatic Arts

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

CREDIT: 1 **TYPE:** Open **GRADE:** 10

Integrated Arts

ALC201 Integrated Arts

This course integrates two or more of the arts (dance, drama, media arts, music, and visual arts), giving students the opportunity to produce and present integrated art works created individually or collaboratively. Students will demonstrate innovation as they learn and apply concepts, styles, and conventions unique to the various arts and acquire skills that are transferable beyond the classroom. Students will use the creative process and responsible practices to explore solutions to integrated arts challenges. This course is designed for

students who would prefer a general exposure to the arts.

CREDIT: 1 **TYPE:** Open **GRADE:** 10

Music

AMI201 Instrumental Music - Band - Experienced

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

CREDIT: 1 **TYPE:** Open **GRADE:** 10

AMI20N Instrumental Music - Band - Less Experienced

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

CREDIT: 1 **TYPE:** Open **GRADE:** 10

AMV201 Music - Vocal/Choral

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

COURSE NOTE: This course emphasizes the creation and performance of vocal music.

Students will develop musical literacy skills by using the creative and critical analysis processes in composition, performance, and a range of reflective and analytical activities. Students will develop their understanding of musical conventions, practices, and terminology and apply the elements of music in a range of activities. They will also explore the function of music in a society.

CREDIT: 1 **TYPE:** Open **GRADE:** 10

Visual Arts

AVI201 Visual Arts

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.

CREDIT: 1 **TYPE:** Open **GRADE:** 10

Business

BBI201 Introduction to Business

This course introduces students to the world of business. Students will develop an understanding of the functions of business, including accounting, marketing, information and communication technology, human resources, and production, and of the importance of ethics and social responsibility. This course builds a foundation for further studies in business and helps students develop the business knowledge and skills they will need in their everyday lives.

CREDIT: 1 **TYPE:** Open **GRADE:** 10

Canadian and World Studies

Civics, Politics, Economics

CHV205 Civics

This course explores what it means to be an informed, participating citizen in a democratic society. Students will learn about the elements of democracy in local, national, and global contexts, about political reactions to social change, and about political decision-making processes in Canada. They will explore their own and others' ideas about civics questions and learn how to think critically about public issues and react responsibly to them.

CREDIT: 0.5 **TYPE:** Open **GRADE:** 10

History

CHC2D1 Canadian History in the Twentieth Century

This course explores the local, national, and global forces that have shaped Canada's national identity from World War I to the present. Students will investigate the challenges presented by economic, social, and technological changes and explore the contributions of individuals and groups to Canadian culture and society during this period. Students will use critical-thinking and communication skills to evaluate various interpretations of the issues and events of the period and to present their own points of view.

CREDIT: 1 **TYPE:** Academic **GRADE:** 10

CHC2L1 Canadian History - Locally Developed

This course focuses on the connections between the student and key people, events, and themes in Canadian history from World War I to the present. Students prepare for the Grades 11 and 12 Workplace Preparation history courses through the development and extension of historical literacy and inquiry skills. Students explore a variety of topics highlighting individuals and events that have contributed to the story of Canada. The major themes of Canadian identity, internal and external relationships, and changes since 1914, are explored through guided investigation. Students have the opportunity to extend analytical skills with a focus on identifying and interpreting events and perspectives and making connections. Students practice reading, writing, visual, and oral literacy skills, and mathematical literacy skills to identify and communicate ideas in a variety of forms.

CREDIT: 1 **TYPE:** Locally Developed **GRADE:** 10

CHC2P1 Canadian History in the Twentieth Century

This course explores some of the pivotal events and experiences that have influenced the development of Canada's identity as a nation from World War I to the present. By examining how the country has responded to economic, social, and technological changes and how individuals and groups have contributed to Canadian culture and society during this period, students will develop their ability to make connections between historical and current events. Students will have opportunities to formulate questions, locate information, develop informed opinions, and present ideas about the central issues and events of the period.

CREDIT: 1 **TYPE:** Applied **GRADE:** 10

English

ENG2D1 English - Grade 10 Academic

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

of strategies that contribute to effective communication. This course is intended to prepare students for the compulsory Grade 11 university or college preparation course.

CREDIT: 1 **TYPE:** Academic **GRADE:** 10

PREREQUISITE: ENG1D1 - English - Grade 9 Academic; ENG1DA - English - Grade 9 Enriched; ENG1P1 - English - Grade 9 Applied;

ENG2DA English - Grade 10 Enriched

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.

COURSE NOTE: Recommended: 80% in ENG1D1/A and the recommendation of their grade 9 English teacher. Should be an avid reader.

CREDIT: 1 **TYPE:** Enriched Courses **GRADE:** 10

PREREQUISITE: ENG1D1 - English - Grade 9 Academic; ENG1DA - English - Grade 9 Enriched;

ENG2L1 English - Grade 10 Locally Developed

In this course, students focus on extending their literacy and communication skills to prepare for success in their daily lives, in the workplace, in the English Grade 11 Workplace Preparation course (ENG3E), or in the English Contemporary Aboriginal Voices, Grade 11 Workplace Preparation course (NBE3E). The course is organized by strands that extend listening and talking skills, reading and viewing skills, and writing skills. In all strands, the focus is on refining foundational literacy skills and in using language clearly and accurately in a variety of authentic contexts. Students reflect regularly on their growth in these areas.

CREDIT: 1 **TYPE:** Locally Developed **GRADE:** 10

PREREQUISITE: ENG1D1 - English - Grade 9 Academic; ENG1P1 - English - Grade 9 Applied; ENG1L1 - English - Grade 9 Locally Developed;

ENG2P1 English - Grade 10 Applied

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

CREDIT: 1 **TYPE:** Applied **GRADE:** 10

PREREQUISITE: ENG1D1 - English - Grade 9 Academic; ENG1DA - English - Grade 9 Enriched; ENG1P1 - English - Grade 9 Applied; ENG1L1 - English - Grade 9 Locally Developed;

Guidance and Career Studies

Guidance Courses

GLC205 Career Studies

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.

CREDIT: 0.5 **TYPE:** Open **GRADE:** 10

Health and Physical Education

PAF201 Personal and Fitness Activities for Females

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

CREDIT: 1 **TYPE:** Open **GRADE:** 10

PPL201 Healthy Active Living Education Grade 10 Co-ed

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

CREDIT: 1 **TYPE:** Open **GRADE:** 10

Humanities and Social Studies

HFN201 Food and Nutrition

This course explores the factors that affect attitudes and decisions about food, examines current issues of body image and food marketing, and is grounded in the scientific study of nutrition. Students will learn how to make informed food choices and how to prepare foods, and will investigate our Canadian food heritage and food industries, as well as global food issues. The course also introduces students to research skills related to food and nutrition.

CREDIT: 1 **TYPE:** Open **GRADE:** 10

Languages - Moderns

French

FSF2D1 Core French - Grade 10 Academic

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

CREDIT: 1 **TYPE:** Academic **GRADE:** 10

PREREQUISITE: FSF1D1 - Core French - Grade 9 Academic; FSF1P1 - Core French - Grade 9 Applied;

FSF2P1 Core French - Grade 10 Applied

This course emphasizes the further development of oral communication, reading, and writing skills using a broad-based theme such as adolescence. Students will expand their knowledge of French by studying a series of theme-related topics, such as students' rights and responsibilities, relationships with peers and adults, and part-time jobs.

CREDIT: 1 **TYPE:** Applied **GRADE:** 10

PREREQUISITE: FSF1D1 - Core French - Grade 9 Academic; FSF1P1 - Core French - Grade 9 Applied;

Spanish

LWSBD1 Spanish

This introductory course is intended for students with little or no previous knowledge of Spanish. Through exercises in grammar, oral practice and composition on relevant themes, the basic skills of reading, writing and conversing will be acquired. Examples of themes are: travel, studies, entertainment, food, family, and sports. The main cultural, historical, social, artistic and literary traditions of Spain will be sampled to complement the students' studies. Short selected passages/stories will be introduced. Topics include: present tense, past tense, adjectives, interrogatives and vocabulary for everyday situations. Comprehensive unit tests, dictations, oral assessment, translation, group work and a final examination are among the various techniques used to evaluate students' progress.

CREDIT: 1 **TYPE:** Academic **GRADE:** 10

Mathematics

MAT2L1 Mathematics - Grade 10 Locally Developed

This Grade 10 course is designed to allow students to solidify and extend their understanding of, and confidence in using, the concepts developed in MAT1L so that they are well prepared for success in the Mathematics Grade 11 Workplace Preparation course (MEL3E). In the Grade 10 course, students are asked to demonstrate a greater depth of understanding and level of complexity, in contexts that move them from their immediate personal environment to the larger community.

CREDIT: 1 **TYPE:** Locally Developed **GRADE:** 10

PREREQUISITE: MAT1L1 - Mathematics - Grade 9 Locally Developed; MFM1P1 - Foundations of Mathematics - Grade 9 Applied; MPM1D1 - Principles of Mathematics - Grade 9 Academic;

MFM2P1 Foundations of Mathematics - Grade 10 Applied

This course enables students to consolidate their understanding of linear relations and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and hands-on activities. Students will 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.

CREDIT: 1 **TYPE:** Applied **GRADE:** 10

PREREQUISITE: MFM1P1 - Foundations of Mathematics - Grade 9 Applied; MPM1D1 - Principles of Mathematics - Grade 9 Academic; MPM1DA - Principles of Mathematics - Grade 9 Enriched;

MPM2D1 Principles of Mathematics - Grade 10 Academic

This course enables students to broaden their understanding of relationships and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and abstract reasoning. Students will explore quadratic 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.

CREDIT: 1 **TYPE:** Academic **GRADE:** 10

PREREQUISITE: MPM1D1 - Principles of Mathematics - Grade 9 Academic; MPM1DA - Principles of Mathematics - Grade 9 Enriched;

MPM2DA Principles of Mathematics - Grade 10 Enriched

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.

COURSE NOTE: Prerequisite required and 85% in MPM1DA AND the approval of the mathematics department, which includes participation in the Waterloo mathematics contests.

CREDIT: 1 **TYPE:** Enriched Courses **GRADE:** 10

PREREQUISITE: MPM1DA - Principles of Mathematics - Grade 9 Enriched;

Science

SNC2D1 Science - Grade 10 Academic

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

CREDIT: 1 **TYPE:** Academic **GRADE:** 10

PREREQUISITE: SNC1D1 - Science - Grade 9 Academic; SNC1DA - Science - Grade 9 Enriched; SNC1P1 - Science - Grade 9 Applied;

SNC2DA Science - Grade 10 Enriched

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

COURSE NOTE: Recommended: 80% in SNC1D1/A

CREDIT: 1 **TYPE:** Enriched Courses **GRADE:** 10

PREREQUISITE: SNC1D1 - Science - Grade 9 Academic; SNC1DA - Science - Grade 9 Enriched;

SNC2P1 Science - Grade 10 Applied

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

CREDIT: 1 **TYPE:** Applied **GRADE:** 10

PREREQUISITE: SNC1D1 - Science - Grade 9 Academic; SNC1DA - Science - Grade 9 Enriched; SNC1P1 - Science - Grade 9 Applied;

Special Education

GLE201 Skills for Success in Secondary School

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. As well, this course is dedicated to supporting grade 10 students enrolled in 2 or more enriched/AP courses.

CREDIT: 1 **TYPE:** Open **GRADE:** 10

Technology

Communications Technology

TGJ201 Communications Technology/Multi-Media

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

CREDIT: 1 **TYPE:** Open **GRADE:** 10

Hair & Aesthetics

TXJ201 Hairstyling and Aesthetics

This course presents hairstyling, make-up, and nail care techniques from a salon/spa perspective. Using materials, processes, and techniques used in the industry, students learn fundamental skills in hairstyling, giving manicures and facials, and providing hair/scalp analyses and treatments. Students will also consider related environmental and societal issues, and will explore secondary and postsecondary pathways leading to careers in the field of hairstyling and aesthetics.

CREDIT: 1 **TYPE:** Open **GRADE:** 10

Hospitality (Cooking)

TFJ201 Hospitality and Tourism/Cooking

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

CREDIT: 1 **TYPE:** Open **GRADE:** 10

Technological Design

TDJ201 Technological Design

This course provides students with opportunities to apply a design process to meet a variety of technological challenges. Students will research projects, create designs, build models and/or

prototypes, and assess products and/or processes using appropriate tools, techniques, and strategies. Student projects may include designs for homes, vehicles, bridges, robotic arms, clothing, or other products. Students will develop an awareness of environmental and societal issues related to technological design, and will learn about secondary and postsecondary education and training leading to careers in the field.

CREDIT: 1 **TYPE:** Open **GRADE:** 10

Grade 11 Courses

Select one of each of the following compulsory courses:

- ✓ English
- ✓ Mathematics

and 6 electives

GRADE: 11

Arts

Dance

ATC301 Dance

This course emphasizes the development of students' movement vocabulary relating to dance genres from around the world, and of their understanding of the elements of dance and the tools of composition in a variety of performance situations. Students will research and explain how physical, intellectual, and artistic skills developed in dance can be applied in a wide range of careers. They will apply tools and techniques throughout the process of creation and presentation, and reflect on how studies in the dance arts affect personal identity.

CREDIT: 1 **TYPE:** Open **GRADE:** 11

PREREQUISITE: ATC201 - Dance;

ATP3M1 Dance-Performance Practice

No description available This course will allow students to explore practical and theoretical fundamentals of dance performance. They will study performance and stage skills investigated through selected repertory in a variety of dance forms. It will introduce the study and performance of original or reconstructed choreographic works in a pre-professional rehearsal and presentation setting. Students will explore course work as company members, learning an original or repertory choreographical work created by course instructor. (Ministry course description is currently under revision.) Recommended previous course: ATC201, Dance, Grade 10 or ATC301, Grade 11, Open

CREDIT: 1 **TYPE:** University/College **GRADE:** 11

ATP301 Performance Practice, Open

This course will allow students to explore practical and theoretical fundamentals of dance performance. They will study performance and stage skills investigated through selected repertory in a variety of dance forms. It will introduce the study and performance of original or reconstructed choreographic works in a pre-professional rehearsal and presentation setting. Students will explore course work as company members, learning an original or repertory choreographical work created by course instructor. (Ministry course description is currently under revision.) Recommended previous course: ATC201, Dance, Grade 10 or ATC301, Grade

11, Open

CREDIT: 1 **TYPE:** Open **GRADE:** 11

Drama

ADC3M1 Drama in the Community

The focus of this course will be the creation of presentations for young audiences. Students will interpret and perform Children's Theatres for elementary school audiences. Various dramatic forms such as mask, story telling, and clown/mime will be explored. Students will continue to learn of the history of theatre.

CREDIT: 1 **TYPE:** University/College **GRADE:** 11

PREREQUISITE: ADA1O1 - Dramatic Arts; ADA2O1 - Dramatic Arts;

Music

AMG3O1 Guitar Music, Experienced

This course emphasizes performance of music at an intermediate level that strikes a balance between challenge and skill. Student learning will include participating in creative activities and listening perceptively. Students will also be required to develop a thorough understanding of the language of music, including the elements, terminology, and history. This is an introductory course that develops guitar techniques and the rudiments of music. Students learn to read tablature and musical notation, to play chords from symbols and diagrams, and to develop techniques that can be used in playing classical and popular music. Students enrolled in this course must provide their own acoustic guitar (nylon or steel string).

Students cannot earn a credit in both AMG3O1 and AMG3ON.

CREDIT: 1 **TYPE:** Open **GRADE:** 11

AMG3ON Guitar - Beginner

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

COURSE NOTE: This is an introductory course that develops guitar techniques and the rudiments of music. Students learn to read tablature and music notation, to play chords from symbols and diagrams, and to develop techniques that can be used in playing classical and popular music. Students enrolled in this course must provide their own acoustic guitar (nylon or steel string). **Students cannot receive a credit in BOTH AMG3ON and AMG3O1.**

CREDIT: 1 **TYPE:** Open **GRADE:** 11

AMU3M1 Music

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

CREDIT: 1 **TYPE:** University/College **GRADE:** 11

PREREQUISITE: AMI1O1 - Instrumental Music - Experienced; AMI2O1 - Instrumental Music - Band - Experienced;

AMV3O1 Music, Vocal/Choral

This course develops students' artistic knowledge and skills through the performance of music and the preparation of music production. Students will perform appropriate works, particularly works in contemporary popular styles. Independently and in groups, they will also plan, market, and produce music productions, making use of appropriate technology, and will evaluate the results. This course is designed for students who want to learn how to sing and/or want to develop their voice in preparation for musical theatre offered in the next school year.

CREDIT: 1 **TYPE:** Open **GRADE:** 11

Visual Arts

AVI3M1 Visual Arts

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, information design).

CREDIT: 1 **TYPE:** University/College **GRADE:** 11

PREREQUISITE: AVI1O1 - Visual Arts; AVI2O1 - Visual Arts;

AWP3O1 Sculpture, Open

The sculpture course focuses on the refinement of skills and knowledge in visual arts. Students will design sculptures, create maquettes and construct sculptures using a variety of material and techniques including casting, carving and kinetic sculpture. Students will analyze art forms; use theories of art in analyzing and producing art; and increase their understanding of stylistic changes in Western art, and art from other cultures. Students will produce a body of work demonstrating a personal approach. (Ministry course description is currently under revision.) Recommended previous course: AVI1O1, Visual Arts, Grade 9, or AVI2O1, Grade 10, Open

CREDIT: 1 **TYPE:** Open **GRADE:** 11

Business

BAF3M1 Introduction to Financial Accounting

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

CREDIT: 1 **TYPE:** University/College **GRADE:** 11

BDP3O1 Entrepreneurship: The Enterprising Person

This course examines the importance of enterprising employees in today's changing business environment. Students will learn about the skills and attributes of enterprising employees, the distinguishing features of their work environments, and the challenges and rewards of becoming an enterprising person. Students will also have an opportunity to demonstrate and develop enterprising skills by planning and organizing a school or community event. For students enrolling in BDP3O1, a credit in BBI2O1, Introduction to Business, can provide a foundation for this course.

CREDIT: 1 **TYPE:** Open **GRADE:** 11

BMI3C1 Marketing: Goods, Services, Events

This course introduces the fundamental concepts of product marketing, which includes the marketing of goods, services, and events. Students will examine how trends, issues, global economic changes, and information technology influence consumer buying habits. Students will engage in marketing research, develop marketing strategies, and produce a marketing plan for a product of their choice. **COURSE NOTE:** "Pending Ministry approval, a team-taught dual credit will be offered in this course with Durham or Fleming College for 2012-2013. Students will earn both a secondary school credit and a college credit when they are successful in this program."

CREDIT: 1 **TYPE:** College **GRADE:** 11

BMX3E1 Marketing: Retail and Service , Workplace

This course focuses on marketing activities in the retail and service sectors. Students will examine trends and global influences on marketing decisions, and will learn about the importance of customer service in developing a customer base and maintaining customer loyalty. Through hands-on learning, students will develop personal selling and information technology skills that will prepare them for a variety of marketing-related positions in the workplace. **CREDIT:** 1 **TYPE:** Workplace **GRADE:** 11

BTA3O1 Information and Communication Technology: The Digital Environment

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.

CREDIT: 1 **TYPE:** Open **GRADE:** 11

Canadian and World Studies

Civics, Politics, Economics

CHV2ON Civics Essential

This course explores what it means to be an informed, participating citizen in a democratic society. Students will learn about the elements of democracy in local, national, and global contexts, about political reactions to social change, and about political decision-making processes in Canada. They will explore their own and others' ideas about civics questions and learn how to think critically about public issues and react responsibly to them.

COURSE NOTE: Accomodated for students taking courses in the essential/workplace stream only.

CREDIT: 0.5 **TYPE:** Open **GRADE:** 11

NBV3C1 Aboriginal Beliefs, Values, and Aspirations in Con

This course focuses on the beliefs, values, and aspirations of Aboriginal peoples in Canada. Students will examine world views of Aboriginal peoples and the political, economic, cultural, and social challenges facing individuals and communities. Students will also learn how traditional and contemporary beliefs and values influence the aspirations and actions of Aboriginal peoples.

CREDIT: 1 **TYPE:** College **GRADE:** 11

PREREQUISITE: CHC2D1 - Canadian History in the Twentieth Century; CHC2P1 - Canadian

History in the Twentieth Century;

Geography

CGG301 Regional Geography: Travel and Tourism

This course focuses on travel and tourism as the vehicle for studying selected world regions. Using a variety of geotechnologies and inquiry and communication methods, students will conduct and present case studies that develop their understanding of the unique characteristics of selected world regions; the environmental, cultural, economic, and political factors that influence travel and tourism; and the impact of the travel industry on communities and environments around the world.

CREDIT: 1 **TYPE:** Open **GRADE:** 11

PREREQUISITE: CGC1D1 - Geography of Canada; CGC1P1 - Geography of Canada;

History

CHW3M1 World History to the Sixteenth Century

This course investigates the history of humanity from earliest times to the sixteenth century. Students will analyse diverse societies from around the world, with an emphasis on the political, cultural, and economic structures and historical forces that have shaped the modern world. They will apply historical inquiry, critical-thinking, and communication skills to evaluate the influence of selected individuals, groups, and innovations and to present their own conclusions.

CREDIT: 1 **TYPE:** University/College **GRADE:** 11

PREREQUISITE: CHC2P1 - Canadian History in the Twentieth Century; CHC2D1 - Canadian History in the Twentieth Century;

Law

CLU3E1 Understanding Canadian Law

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

CREDIT: 1 **TYPE:** Workplace **GRADE:** 11

PREREQUISITE: CHC2L1 - Canadian History - Locally Developed;

CLU3M1 Understanding Canadian Law

This course explores Canadian law with a focus on legal issues that are relevant to people's everyday lives. Students will investigate fundamental legal concepts and processes to gain a practical understanding of Canada's legal system, including the criminal justice system. Students will use critical-thinking, inquiry, and communication skills to develop informed opinions on legal issues and apply this knowledge in a variety of ways and settings, including case analysis, legal research projects, mock trials, and debates.

CREDIT: 1 **TYPE:** University/College **GRADE:** 11

PREREQUISITE: CHC2D1 - Canadian History in the Twentieth Century; CHC2P1 - Canadian History in the Twentieth Century;

Computer Studies – E-learning ONLY

VICS3C Introduction to Computer Programming E-Learning opportunity

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

CREDIT: 1 **TYPE:** College **GRADE:** 11

VICS3U Introduction to Computer Science E-Learning opportunity

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

CREDIT: 1 **TYPE:** University **GRADE:** 11

English

EMS301 Media Studies

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

CREDIT: 1 **TYPE:** Open **GRADE:** 11

PREREQUISITE: ENG2D1 - English - Grade 10 Academic; ENG2P1 - English - Grade 10 Applied; ENG2L1 - English - Grade 10 Locally Developed; ENG2DA - English - Grade 10 Enriched;

ENG3C1 English - Grade 11 College Preparation

This course emphasizes the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will study the content, form, and style of a variety of informational and graphic texts, as well as literary texts from Canada and other countries, and create oral, written, and media texts in a variety of forms for practical and academic purposes. An important focus will be on using language with precision and clarity. The course is intended to prepare students for the compulsory Grade 12 college preparation course.

CREDIT: 1 **TYPE:** College **GRADE:** 11

PREREQUISITE: ENG2P1 - English - Grade 10 Applied; ENG2D1 - English - Grade 10 Academic;

ENG3E1 English - Grade 11 Workplace Preparation

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

informal contexts. The course is intended to prepare students for the compulsory Grade 12 workplace preparation course.

CREDIT: 1 **TYPE:** Workplace **GRADE:** 11

PREREQUISITE: ENG2P1 - English - Grade 10 Applied; ENG2L1 - English - Grade 10 Locally Developed;

ENG3U1 English - Grade 11 University Preparation

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

COURSE NOTE: It is recommended that students have a 70% or higher in ENG2D1 to take this course.

CREDIT: 1 **TYPE:** University **GRADE:** 11

PREREQUISITE: ENG2D1 - English - Grade 10 Academic; ENG2DA - English - Grade 10 Enriched;

ENG3UA English - Grade 11 Enriched

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

COURSE NOTE: Recommended: 80% in ENG2D1/A. Students should be daily readers and enjoy analyzing literature.

CREDIT: 1 **TYPE:** Enriched Courses **GRADE:** 11

PREREQUISITE: ENG2D1 - English - Grade 10 Academic; ENG2DA - English - Grade 10 Enriched;

EPS301 Presentation and Speaking Skills

This course emphasizes the knowledge and skills required to plan and make effective presentations and to speak effectively in both formal and informal contexts, using such forms as reports, speeches, debates, panel discussions, storytelling, recitations, interviews, and multimedia presentations. Students will research and analyse the content and characteristics of convincing speeches and the techniques of effective speakers; design and rehearse presentations for a variety of purposes and audiences; select and use visual and technological aids to enhance their message; and assess the effectiveness of their own and others' presentations. Illustrated children's books and children's novels will be a focus in this course. Students will work with children's books and focus on how kids interact with books and people reading. Presentation skills will be practiced in a variety of contexts with an emphasis on storytelling.

CREDIT: 1 **TYPE:** Open **GRADE:** 11

PREREQUISITE: Any Grade 10 English course

Guidance and Career Studies

Co-operative Education

WRK502 Coop 2 Period Placement

Cooperative education programs, provide opportunities for learning in apprenticeship and workplace settings in combination with classroom studies, are designed to suit students' particular strengths, interests, and needs and further enhance their preparation for the future. A 2 period coop is a half day -- either periods 1 and 2 or periods 3 and 4. The student will work with a coop teacher to obtain a suitable placement.

COURSE NOTE: You must complete and submit the Coop Application Form available on your Portfolio Homepage, and submit it to the Coop Office, rm 204.

CREDIT: 2 **TYPE:** Open **GRADE:** 11

PREREQUISITE: GLC205 - Career Studies;

WRK504 Coop 4 Period Placement

Cooperative education programs, provide opportunities for learning in apprenticeship and workplace settings in combination with classroom studies, are designed to suit students' particular strengths, interests, and needs and further enhance their preparation for the future. The four period coop is completed in a setting selected by the student in consultation with the coop teacher and can be in an apprenticeship, professional, non-profit, or other workplace.

COURSE NOTE: You must complete and submit the Coop Application Form available on your Portfolio Homepage, and submit it to the Coop Office, rm 204.

CREDIT: 4 **TYPE:** Open **GRADE:** 11

PREREQUISITE: GLC205 - Career Studies;

WRK50D Coop Gold Collar Program 4 Period

Cooperative education programs, provide opportunities for learning in apprenticeship and workplace settings in combination with classroom studies, are designed to suit students' particular strengths, interests, and needs and further enhance their preparation for the future. This 4 period program is offered in conjunction with Bowmanville High School. Students experience a wide variety of skilled trades on a construction site at the Port of Newcastle. Transportation is provided.

COURSE NOTE: You must complete and submit the Coop Application Form available on your Portfolio Homepage, and submit it to the Coop Office, rm 204.

CREDIT: 4 **TYPE:** Open **GRADE:** 11

PREREQUISITE: GLC205 - Career Studies;

WRK50P Coop Peer Tutoring 1 Period

Cooperative education programs, provide opportunities for learning in apprenticeship and workplace settings in combination with classroom studies, are designed to suit students' particular strengths, interests, and needs and further enhance their preparation for the future. The peer tutoring option allows students to work with a teacher mentor to tutor students in a subject area of their choosing. This option is particularly of interest to students who wish to explore teaching, social work and related fields.

COURSE NOTE: You must complete and submit the Coop Application Form available on your Portfolio Homepage, and submit it to the Coop Office, rm 204.

CREDIT: 1 **TYPE:** Open **GRADE:** 11

PREREQUISITE: GLC205 - Career Studies;

Guidance Courses

GLC20N Careers Essential

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.

COURSE NOTE: Accommodated course for essential/workplace students only.

CREDIT: 0.5 **TYPE:** Open **GRADE:** 11

GPP301 Leadership and Peer Support

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

CREDIT: 1 **TYPE:** Open **GRADE:** 11

PREREQUISITE: GLC205 - Career Studies;

Health and Physical Education

PAD301 Outdoor Activities

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

CREDIT: 1 **TYPE:** Open **GRADE:** 11

PAF301 Personal Fitness, Girls, Open

This course focuses on the development of a healthy lifestyle and participation in a variety of enjoyable physical activities that have the potential to engage students' interest throughout their lives. Students will be encouraged to develop personal competence in a variety of movement skills, and will be given opportunities to practice goal-setting, decision-making, coping, social, and interpersonal skills. Students will also study the components of healthy relationships, reproductive health, and personal safety. Improved physical fitness through aerobic and weight training is the main objective of this course.

CREDIT: 1 **TYPE:** Open **GRADE:** 11

PPL301 Healthy Active Living Education Grade 11 Co-ed

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

CREDIT: 1 **TYPE:** Open **GRADE:** 11

PPZ301 Health for Life: Fitness/Weight Training

This course helps students develop a personalized approach to healthy living. Students will examine the factors that affect their own health and the health of individuals as members of the community. They will learn about the components of the Vitality approach to healthy living – an initiative that promotes healthy eating, an active lifestyle, and a positive self-image. Throughout this course, students will develop the skills necessary to take charge of and improve their own health, as well as to encourage others to lead healthy lives.

CREDIT: 1 **TYPE:** Open **GRADE:** 11

Humanities and Social Studies

HIP3E1 Managing Personal Resources

This course prepares students for living independently and working successfully with others. Students will learn to manage their personal resources (including talent, money, and time), to develop interpersonal skills, and to understand economic influences on workplace issues, in order to make wise and responsible personal and occupational choices. The course emphasizes the achievement of expectations through practical experiences and introduces students to skills used in researching and investigating resource management.

CREDIT: 1 **TYPE:** Workplace **GRADE:** 11

HPC3O1 Parenting

This course focuses on the skills and knowledge needed to promote the positive and healthy nurturing of children, with particular emphasis on the critical importance of the early years to human development. Students will learn how to meet the developmental needs of young children, communicate and discipline effectively, and guide early behaviour. They will have practical experiences with infants, toddlers, and preschoolers, and will learn skills in researching and investigating questions relating to parenting.

CREDIT: 1 **TYPE:** Open **GRADE:** 11

HRT3M1 World Religions: Beliefs, Issues, and Religious Traditions

This course enables students to discover what others believe and how they live, and to appreciate their own unique heritage. Students will learn about the teachings and traditions of a variety of religions, the connections between religion and the development of civilizations, the place and function of religion in human experience, and the influence of a broad range of religions on contemporary society. This course also introduces students to skills used in researching and investigating world religions.

CREDIT: 1 **TYPE:** University/College **GRADE:** 11

HSP3M1 Introduction to Anthropology, Psychology & Sociology

This course introduces the theories, questions, and issues that are the major concerns of anthropology, psychology, and sociology. Students will develop an understanding of the way social scientists approach the topics they study and the research methods they employ. Students will be given opportunities to explore theories from a variety of perspectives and to become familiar with current thinking on a range of issues that have captured the interest of classical and contemporary social scientists in the three disciplines.

CREDIT: 1 **TYPE:** University/College **GRADE:** 11

HZB3O1 Philosophy: The Big Questions

This course addresses three (or more) of the following questions: What is a person? What is a meaningful life? What are good and evil? What is a just society? What is human knowledge? How do we know what is beautiful in art, music, and literature? Students will learn critical-thinking skills in evaluating philosophical arguments related to these questions, as well as skills used in researching and investigating various topics in philosophy.

CREDIT: 1 **TYPE:** Open **GRADE:** 11

Languages - Moderns

French

FSF3U1 Core French Grade 11

This course draws on a variety of themes to promote extensive development of reading and

writing skills and to reinforce oral communication skills. Students will gain a greater understanding of French-speaking cultures in Canada and around the world through their reading of a variety of materials, including a short novel or a play. Students will produce various written assignments, including a formal essay. The use of correct grammar and appropriate language conventions in both spoken and written French will be emphasized throughout the course.

CREDIT: 1 **TYPE:** University **GRADE:** 11

PREREQUISITE: FSF2D1 - Core French - Grade 10 Academic;

Spanish

LWSCU1 Spanish

This course is an extension of the introductory Spanish programme. Students will use increasingly sophisticated language in a variety of activities that will enable them to speak and write with clarity and accuracy. Students will also enhance their thinking skills through the critical study of literature, and continue to explore aspects of the culture of Spain. This course will help the student to meet the Ontario Catholic Graduate Expectations, by helping him/her to be an effective communicator who speaks, writes, listens honestly and sensitively, responding critically in light of gospel values.

CREDIT: 1 **TYPE:** University **GRADE:** 11

Mathematics

MBF3C1 Mathematics of Personal Finance - Grade 11 College Preparation

This course enables students to broaden their understanding of mathematics as a problem solving tool in the real world. Students will extend their understanding of quadratic relations; 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.

CREDIT: 1 **TYPE:** College **GRADE:** 11

PREREQUISITE: MFM2P1 - Foundations of Mathematics - Grade 10 Applied; MPM2D1 - Principles of Mathematics - Grade 10 Academic;

MCF3M1 Functions - Grade 11 College/University

This course introduces basic features of the function by extending students' experiences with quadratic relations. It focuses on quadratic, trigonometric, and exponential functions and their use in modelling real-world situations. Students will represent functions numerically, graphically, and algebraically; simplify expressions; solve equations; and solve problems relating to applications. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course is a pre-requisite for MCT4C1 and MDM4U1. Historically, however, many students with this credit are not successful in MDM4U1. Please consult with the Mathematics Department.

COURSE NOTE: Note: Students planning to pursue math intensive college programs are encouraged to take MCF3M1 and MCT4C1.

CREDIT: 1 **TYPE:** University/College **GRADE:** 11

PREREQUISITE: MPM2D1 - Principles of Mathematics - Grade 10 Academic; MFM2P1 - Foundations of Mathematics - Grade 10 Applied; MPM2DA - Principles of Mathematics - Grade 10 Enriched;

MCR3U1 Functions - Grade 11 University Preparation

This course introduces the mathematical concept of the function by extending students' experiences with linear and quadratic relations. Students will investigate properties of discrete and continuous functions, including trigonometric and exponential functions; represent functions numerically, algebraically, and graphically; solve problems involving applications of functions; investigate inverse functions; and develop facility in determining equivalent

algebraic expressions. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course is the pre-requisite for MHF4U1 and MCR4U1.

CREDIT: 1 **TYPE:** University **GRADE:** 11

PREREQUISITE: MPM2D1 - Principles of Mathematics - Grade 10 Academic; MPM2DA - Principles of Mathematics - Grade 10 Enriched;

MCR3UA Functions - Grade 11 Enriched

This course introduces the mathematical concept of the function by extending students' experiences with linear and quadratic relations. Students will investigate properties of discrete and continuous functions, including trigonometric and exponential functions; represent functions numerically, algebraically, and graphically; solve problems involving applications of functions; investigate inverse functions; and develop facility in determining equivalent algebraic expressions. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

COURSE NOTE: Prerequisite required and the approval of the Mathematics Department, which includes participation in the Waterloo Mathematics Contests.

CREDIT: 1 **TYPE:** Enriched Courses **GRADE:** 11

PREREQUISITE: MPM2DA - Principles of Mathematics - Grade 10 Enriched; MPM2D1 - Principles of Mathematics - Grade 10 Academic;

MEL3E1 Mathematics for Everyday Life Grade 11

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.

CREDIT: 1 **TYPE:** Workplace **GRADE:** 11

PREREQUISITE: MPM1D1 - Principles of Mathematics - Grade 9 Academic; MFM1P1 - Foundations of Mathematics - Grade 9 Applied; MAT2L1 - Mathematics - Grade 10 Locally Developed;

Science

SBI3C1 Biology - College Preparation

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

CREDIT: 1 **TYPE:** College **GRADE:** 11

PREREQUISITE: SNC2D1 - Science - Grade 10 Academic; SNC2P1 - Science - Grade 10 Applied;

SBI3U1 Biology - Grade 11 University Preparation

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

CREDIT: 1 **TYPE:** University **GRADE:** 11

PREREQUISITE: SNC2D1 - Science - Grade 10 Academic; SNC2DA - Science - Grade 10 Enriched;

SBI3UA Biology - Grade 11 Enriched

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

CREDIT: 1 **TYPE:** Enriched Courses **GRADE:** 11

PREREQUISITE: SNC2D1 - Science - Grade 10 Academic; SNC2DA - Science - Grade 10 Enriched;

SCH3U1 Chemistry - Grade 11 University Preparation

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

CREDIT: 1 **TYPE:** University **GRADE:** 11

PREREQUISITE: SNC2D1 - Science - Grade 10 Academic; SNC2DA - Science - Grade 10 Enriched;

SCH3UA Chemistry - Grade 11 Enriched

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.

CREDIT: 1 **TYPE:** Enriched Courses **GRADE:** 11

PREREQUISITE: SNC2D1 - Science - Grade 10 Academic; SNC2DA - Science - Grade 10 Enriched;

SPH3U1 Physics - Grade 11 University Preparation

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

COURSE NOTE: Recommended previous course: Math, Grade 10, Academic.

CREDIT: 1 **TYPE:** University **GRADE:** 11

PREREQUISITE: SNC2D1 - Science - Grade 10 Academic; SNC2DA - Science - Grade 10 Enriched;

SPH3UA Physics - Grade 11 Enriched

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

COURSE NOTE: Recommended previous course: Math, Grade 10, Academic.

CREDIT: 1 **TYPE:** Enriched Courses **GRADE:** 11

PREREQUISITE: SNC2D1 - Science - Grade 10 Academic; SNC2DA - Science - Grade 10 Enriched;

SVN3E1 Environmental Science - Workplace Preparation

This course provides students with the fundamental knowledge of and skills relating to environmental science that will help them succeed in work and life after secondary school. Students will explore a range of topics, including the impact of human activities on the environment; human health and the environment; energy conservation; resource science and management; and safety and environmental responsibility in the workplace. Emphasis is placed on relevant, practical applications and current topics in environmental science, with attention to the refinement of students' literacy and mathematical literacy skills as well as the development of their scientific and environmental literacy.

CREDIT: 1 **TYPE:** Workplace **GRADE:** 11

PREREQUISITE: SNC1D1 - Science - Grade 9 Academic; SNC1P1 - Science - Grade 9 Applied; SNC1L1 - Science - Grade 9 Locally Developed;

SVN3M1 Environmental Science - College/University Preparation

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.

CREDIT: 1 **TYPE:** University/College **GRADE:** 11

PREREQUISITE: SNC2D1 - Science - Grade 10 Academic; SNC2P1 - Science - Grade 10 Applied; SNC2DA - Science - Grade 10 Enriched;

Special Education

GLE301 Skills for Success After Secondary School

This course improves students' learning and personal-management skills, preparing them to make successful transitions to work, training, and/or postsecondary education destinations. Students will assess their learning abilities and use literacy, numeracy, and research skills and personal-management techniques to maximize their learning. Students will investigate trends and resources to support their postsecondary employment, training, and/or education choices and develop a plan to help them meet their learning and career goals.

COURSE NOTE: Recommendation of principal required.

CREDIT: 1 **TYPE:** Open **GRADE:** 11

Technology

Communications Technology

TGG3M2 Communications Technology: Print and Graphic Communications

This course examines communications technology from a media perspective. Students will develop knowledge and skills as they design and produce media projects in the areas of live, recorded, and graphic communications. These areas may include TV, video, and movie production; radio and audio production; print and graphic communications; photography; digital imaging; broadcast journalism; and interactive new media. Students will also develop an awareness of related environmental and societal issues and explore college and university programs and career opportunities in the various communications technology fields. Students will be completing the Yearbook in this double credit course.

COURSE NOTE: DOUBLE CREDIT to run over both semesters.

CREDIT: 2 **TYPE:** University/College **GRADE:** 11

TGI3M1 Communications Technology: Interactive New Media and Animation

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

This course examines communications technology from a media perspective. Students will develop knowledge and skills as they design and produce media projects in the areas of live, recorded, and graphic communications. These areas may include TV, video, and movie production; radio and audio production; print and graphic communications; photography; digital imaging; broadcast journalism; and interactive new media. Students will also develop an awareness of related environmental and societal issues and explore college and university programs and career opportunities in the various communications technology fields. This course explores the fundamental principles of drawing for animation, current technologies, applications of animation, basic principles of 2D and 3D animation, and application of animation to the web. Prerequisite: None

CREDIT: 1 **TYPE:** University/College **GRADE:** 11

TGV3M1 Communications Technology: TV, Video and Movie Production

No description available This course examines communications technology from a media perspective. Students will develop knowledge and skills as they design and produce media projects in the areas of live, recorded, and graphic communications. These areas may include TV, video, and movie production; radio and audio production; print and graphic communications; photography; digital imaging; broadcast journalism; and interactive new media. Students will also develop an awareness of related environmental and societal issues and explore college and university programs and career opportunities in the various communications technology fields. Students will be focussed on all aspects of video production, from the studio and CNN to producing videos that will be used for competitions and broadcast purposes.

CREDIT: 1 **TYPE:** University/College **GRADE:** 11

Hair & Aesthetics

TXJ3E1 Hairstyling and Aesthetics

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

CREDIT: 1 **TYPE:** Workplace **GRADE:** 11

Hospitality (Cooking)

TFJ3C1 Hospitality and Tourism

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

CREDIT: 1 **TYPE:** College **GRADE:** 11

TFJ3E1 Hospitality and Tourism

This course enables students to acquire knowledge and skills related to the food and beverage services sector of the tourism industry. Students will learn how to prepare, present, and serve food using a variety of tools and equipment, and will develop an understanding of the fundamentals of providing high-quality service to ensure customer satisfaction and the components of running a successful event or activity. Students will develop an awareness of health and safety practices, environmental and societal issues, and career opportunities in the food and beverage services sector.

CREDIT: 1 **TYPE:** Workplace **GRADE:** 11

Technological Design

TDJ3M1 Technological Design

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 their college/university program requirements for them.

CREDIT: 1 **TYPE:** University/College **GRADE:** 11

TDJ3O1 Technological Design and the Environment

This course enables students to apply a systematic process for researching, designing, building, and assessing solutions to address specific human and environmental challenges. Through their work on various projects, students will explore broad themes that may include aspects of industrial design, mechanical design, architectural design, control system design, and/or apparel design. Students will develop an awareness of environmental and societal issues related to technological design, and will learn about secondary and postsecondary pathways leading to careers in the field.

CREDIT: 1 **TYPE:** Open **GRADE:** 11

TDP3M1 Technological Design: Apparel and Textile Design

The emphasis of this technological design course will be on learning about the various aspects in the fashion industry and how to apply the skills in design production. This course examines how sewing/fashion design is influenced by human, environmental, financial, and material requirements and resources. Students will research, design, sew, and assess solutions that meet specific human needs, using patterns and other communication methods. They will develop an awareness of environmental, societal, and cultural issues related to fashion design, and will explore career opportunities in the fashion design/sewing field, as well as the college and/or university program requirements for them.

CREDIT: 1 **TYPE:** University/College **GRADE:** 11

TDV3M1 Technological Design: Interior Design

No description available 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 represent 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 that. The focus of this course is interior design and students will learn about the basics of floor plan design, furniture design, coordination and placement, colour theory and colour coordination for interiors with emphasis on both residential and commercial interior design.

CREDIT: 1 **TYPE:** University/College **GRADE:** 11

Grade 12 Courses

Select one of compulsory English courses:

- ✓ English

and 7 electives*

*Ensure that you will meet all 3 compulsory group requirements:

- ✓ Group 1: additional credit in English, or French as a second language, or a Native language, or a classical or international language, or social sciences and the humanities, or Canadian and World Studies, or guidance and career education, or cooperative education (i.e., course codes beginning with the following letters: E, F, L, H, C, G, or coop)
- ✓ Group 2: additional credit in health and physical education, or the arts, or business studies, or French as a second language, or cooperative education (i.e., course codes beginning with P, A, B, F, or coop)
- ✓ Group 3: additional credit in science (gr. 11 or 12), or technological education, or French as a second language, or computer studies, or cooperative education (i.e., courses beginning with S, T, F, or I, or coop)

GRADE: 12

Arts

Dance

ATC4M1 Dance

This course emphasizes the development of students' technical proficiency, fluency in the language of movement in dance genres from around the world, and understanding of dance science. Students will explain the social, cultural, and historical contexts of dance; apply the creative process through the art of dance in a variety of ways; and exhibit an understanding of the purpose and possibilities of continuing engagement in the arts as a lifelong learner. This course will be thought of as a choreography course fusing learned technique (ballet, jazz; contemporary and improv), production skills, and leadership, which will be presented in a performance setting.

CREDIT: 1 **TYPE:** University/College **GRADE:** 12

PREREQUISITE: ATC301 - Dance;

Drama

ADA4M1 Dramatic Arts

This course requires students to experiment individually and collaboratively with forms and conventions of both drama and theatre from various cultures and time periods. Students will interpret dramatic literature and other texts and media sources while learning about various theories of directing and acting. Students will examine the significance of dramatic arts in

various cultures, and will analyse how the knowledge and skills developed in drama are related to their personal skills, social awareness, and goals beyond secondary school. Students will also examine the significance of dramatic arts in various cultures. Students will produce the "Lunchbox Theatre Short Play Festival".

CREDIT: 1 **TYPE:** University/College **GRADE:** 12

Music

AMU4M1 Music

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

CREDIT: 1 **TYPE:** University/College **GRADE:** 12

PREREQUISITE: AMU3M1 or AMT3M1 - Music Theatre - Pit Band;

AMV4M1 Music/Vocal Choral

This course emphasizes the appreciation, analysis, and performance of music from the romantic period and from the twentieth century, including art music, jazz, popular music, and Canadian and non-Western music. Students will concentrate on developing interpretive skills and the ability to work independently. They will also complete complex creative projects.

CREDIT: 1 **TYPE:** University/College **GRADE:** 12

PREREQUISITE: AMU3M1 - Music; AMV3O1 - Music, Vocal/Choral;

Visual Arts

AVI4M1 Visual Arts

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

CREDIT: 1 **TYPE:** University/College **GRADE:** 12

Business

BAN4E1 Accounting for a Small Business

This course further develops students' understanding of the fundamentals of accounting by having them examine each component of the accounting cycle, with an emphasis on a merchandising business. Students will use computer applications software to learn how accounting is practised in the workplace. Students will acquire an understanding of payroll systems, inventory, specialized journals, subsidiary ledgers, income tax reporting, budgeting.

CREDIT: 1 **TYPE:** Workplace **GRADE:** 12

BAT4M1 Principles of Financial Accounting

This course introduces students to advanced accounting principles that will prepare them for post secondary studies in business. Students will learn about financial statements for various forms of business ownership and how those statements are interpreted in making business

decisions. This course expands students' knowledge of sources of financing, further develops accounting methods for assets, and introduces accounting for partnerships and corporations.

CREDIT: 1 **TYPE:** University/College **GRADE:** 12

PREREQUISITE: BAF3M1 - Introduction to Financial Accounting;

BBB4M1 Introduction to International Business

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

CREDIT: 1 **TYPE:** University/College **GRADE:** 12

PREREQUISITE: Any university, university/college, or college preparation course in Business Studies, English, or Canadian and World Studies.

BOH4M1 Business Leadership: Management Fundamentals

This course focuses on the development of leadership skills used in managing a successful business. Students will analyse the role of a leader in business, with a focus on decision making, management of group dynamics, workplace stress and conflict, motivation of employees, and planning. Effective business communication skills, ethics, and social responsibility are also emphasized. Pending Ministry approval, a team-taught dual credit will be offered in this course with Durham or Fleming College for 2012-2013. Students will earn both a secondary school credit and a college credit when they are successful in this program.

CREDIT: 1 **TYPE:** University/College **GRADE:** 12

PREREQUISITE: Any university, university/college, or college preparation course in Business Studies or Canadian and World Studies

Canadian and World Studies

Civics, Politics, Economics

CPW4U1 Canadian and World Politics

This course examines Canadian and world politics from a variety of perspectives. Students will investigate the ways in which individuals, groups, and states work to influence domestic and world events, the role of political ideologies in national and international politics, and the dynamics of international cooperation and conflict resolution. Students will apply critical-thinking and communication skills to develop and support informed opinions about current political conflicts, events, and issues.

CREDIT: 1 **TYPE:** University **GRADE:** 12

PREREQUISITE: Any university or university/college preparation course in Canadian and World Studies, English, or Social Sciences and Humanities.

VCIA4U Analysing Current Economic Issues - ELearning Opportunity ONLY

This course investigates the nature of the competitive global economy and explores how individuals and societies can gain the information they need to make appropriate economic decisions. Students will learn about the principles of microeconomics and macroeconomics, apply economic models and concepts to interpret economic information, assess the validity of statistics, and investigate marketplace dynamics. Students will use economic inquiry and communication skills to analyse current economic issues, make informed judgements, and present their findings.

COURSE NOTE: E-learning -- you must complete an online e-learning registration form. See the e-learning page of the school website.

CREDIT: 1 **TYPE:** University **GRADE:** 12

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

Geography

CGR4E1 The Environment and Resource Management

This course examines the influence of human activities on the natural environment. Students will study ecosystem structures and processes, the ecological impact of human activities, and methods of responsible resource management. Students will apply geotechnologies and geographic inquiry methods to develop and present practical solutions to environmental and resource management issues. In the process, students' problem-solving and communication skills will be enhanced in preparation for careers and the workplace.

CREDIT: 1 **TYPE:** Workplace **GRADE:** 12

PREREQUISITE: CGC1D1 - Geography of Canada; CGC1P1 - Geography of Canada;

CGW4U1 Canadian and World Issues: A Geographic Analysis

This course examines the global challenges of creating a sustainable and equitable future, focusing on current issues that illustrate these challenges. Students will investigate a range of topics, including cultural, economic, and geopolitical relationships, regional disparities in the ability to meet basic human needs, and protection of the natural environment. Students will use geotechnologies and skills of geographic inquiry and analysis to develop and communicate balanced opinions about the complex issues facing Canada and a world that is interdependent and constantly changing.

CREDIT: 1 **TYPE:** University **GRADE:** 12

PREREQUISITE: Any university or university/college preparation course in Canadian and World Studies, English, or Social Sciences and Humanities.

History

CHY4C1 World History: The West and the World

This course explores the history of the world since the sixteenth century, emphasizing the interaction between the emerging West and other regions of the world. Students will learn about a variety of economic, social, and political systems and the changes they have undergone over time. Students will apply their developing skills of historical inquiry to understand and communicate ideas about the forces that have formed our modern world.

CREDIT: 1 **TYPE:** College **GRADE:** 12

CHY4U1 World History: The West and the World

This course investigates the major trends in Western civilization and world history from the sixteenth century to the present. Students will learn about the interaction between the emerging West and other regions of the world and about the development of modern social, political, and economic systems. They will use critical-thinking and communication skills to investigate the historical roots of contemporary issues and present their conclusions.

CREDIT: 1 **TYPE:** University **GRADE:** 12

PREREQUISITE: Any university or university/college preparation course in Canadian and World Studies, English, or Social Sciences and Humanities.

CHY4UA World History: The West and the World

This course investigates the major trends in Western civilization and world history from the sixteenth century to the present. Students will learn about the interaction between the emerging West and other regions of the world and about the development of modern social, political, and economic systems. They will use critical-thinking and communication skills to

investigate the historical roots of contemporary issues and present their conclusions. This course offers high achieving, motivated students the opportunity to deepen their understanding beyond the Ontario curriculum. It also affords them the opportunity to prepare to write the Advanced Placement Exam in the spring if they so choose.

CREDIT: 1 **TYPE:** University Pre AP **GRADE:** 12

PREREQUISITE: University/Enriched English

Law

CLN4U1 Canadian and International Law

This course examines elements of Canadian and international law in social, political, and global contexts. Students will study the historical and philosophical sources of law and the principles and practices of international law and will learn to relate them to issues in Canadian society and the wider world. Students will use critical-thinking and communication skills to analyse legal issues, conduct independent research, and present the results of their inquiries in a variety of ways.

CREDIT: 1 **TYPE:** University **GRADE:** 12

PREREQUISITE: Any university or university/college preparation course in Canadian and World Studies, English, or Social Sciences and Humanities.

Computer Studies – E-learning ONLY

VICS4C Computer Programming - ELearning Opportunity

This course further develops students' computer programming skills. Students will learn object-oriented programming concepts, create object-oriented software solutions, and design graphical user interfaces. Student teams will plan and carry out a software development project using industry-standard programming tools and proper project management techniques. Students will also investigate ethical issues in computing and expand their understanding of environmental issues, emerging technologies, and computer-related careers.

CREDIT: 1 **TYPE:** College **GRADE:** 12

PREREQUISITE: VICS3C - Introduction to Computer Programming E-Learning opportunity;

VICS4U Computer Science - ELearning Opportunity

This course enables students to further develop knowledge and skills in computer science. Students will use modular design principles to create complex and fully documented programs, according to industry standards. Student teams will manage a large software development project, from planning through to project review. Students will also analyse algorithms for effectiveness. They will investigate ethical issues in computing and further explore environmental issues, emerging technologies, areas of research in computer science, and careers in the field.

CREDIT: 1 **TYPE:** University **GRADE:** 12

PREREQUISITE: VICS3U - Introduction to Computer Science E-Learning opportunity;

English

ENG4C1 English - Grade 12 College Preparation

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

CREDIT: 1 **TYPE:** College **GRADE:** 12

PREREQUISITE: ENG3C1 - English - Grade 11 College Preparation; ENG3U1 - English - Grade 11 University Preparation;

ENG4E1 English - Grade 12 Workplace Preparation

This course emphasizes the consolidation of literacy, communication, and critical and creative thinking skills necessary for success in the workplace and in daily life. Students will analyse informational, graphic, and literary texts and create oral, written, and media texts in a variety of forms for workplace-related and practical purposes. An important focus will be on using language accurately and organizing ideas and information coherently. The course is intended to prepare students for the workplace and active citizenship.

CREDIT: 1 **TYPE:** Workplace **GRADE:** 12

PREREQUISITE: ENG3E1 - English - Grade 11 Workplace Preparation;

ENG4U1 English - Grade 12 University Preparation

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

CREDIT: 1 **TYPE:** University **GRADE:** 12

PREREQUISITE: ENG3U1 - English - Grade 11 University Preparation; ENG3UA - English - Grade 11 Enriched;

ENG4UA English - Grade 12 Enriched

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.

COURSE NOTE: Recommended: 80% in ENG3U1/A

CREDIT: 1 **TYPE:** University Pre AP **GRADE:** 12

PREREQUISITE: ENG3U1 - English - Grade 11 University Preparation; ENG3UA - English - Grade 11 Enriched;

ETS4U1 Studies in Literature

This course is for students with a special interest in literature and literary criticism. The course may focus on themes, genres, time periods, or countries. Students will analyse a range of forms and stylistic elements of literary texts and respond personally, critically, and creatively to them. They will also assess critical interpretations, write analytical essays, and complete an independent study project. A special emphasis will be placed on the study of children's literature and culture. Students will be involved in exploring all of the fun and imagination children delight in and will produce a body of work that emphasizes the relationships of, and personal approaches to, visual and literary information. Students who are interested in working with children and teens may find this course especially interesting and helpful.

COURSE NOTE: Students who wish to take this course without the prerequisite should meet with Ms. Cummings or Ms. MacNeill.

CREDIT: 1 **TYPE:** University **GRADE:** 12

PREREQUISITE: ENG3U1 - English - Grade 11 University Preparation;

EWC4C1 The Writer's Craft

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

COURSE NOTE: Prerequisite ENG3E1 requires dept. approval.

CREDIT: 1 **TYPE:** College **GRADE:** 12

PREREQUISITE: ENG3C1 - English - Grade 11 College Preparation; ENG3E1 - English - Grade 11 Workplace Preparation;

EWC4U1 The Writer's Craft

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.

CREDIT: 1 **TYPE:** University **GRADE:** 12

PREREQUISITE: ENG3U1 - English - Grade 11 University Preparation; ENG3UA - English - Grade 11 Enriched;

OLC40L Ontario Literacy Course

This course is designed to help students acquire and demonstrate the cross-curricular literacy skills that are evaluated by the Ontario Secondary School Literacy Test (OSSLT). Students who complete the course successfully will meet the provincial literacy requirement for graduation. Students will read a variety of informational, narrative, and graphic texts and will produce a variety of forms of writing, including summaries, 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.

CREDIT: 1 **TYPE:** Open **GRADE:** 12

Guidance and Career Studies

Co-operative Education

WRK502 Coop 2 Period Placement

Cooperative education programs, provide opportunities for learning in apprenticeship and workplace settings in combination with classroom studies, are designed to suit students' particular strengths, interests, and needs and further enhance their preparation for the future. A 2 period coop is a half day -- either periods 1 and 2 or periods 3 and 4. The student will work with a coop teacher to obtain a suitable placement.

COURSE NOTE: You must complete and submit the Coop Application Form available on your Portfolio Homepage, and submit it to the Coop Office, rm 204.

CREDIT: 2 **TYPE:** Open **GRADE:** 11

PREREQUISITE: GLC205 - Career Studies;

WRK504 Coop 4 Period Placement

Cooperative education programs, provide opportunities for learning in apprenticeship and workplace settings in combination with classroom studies, are designed to suit students'

particular strengths, interests, and needs and further enhance their preparation for the future. The four period coop is completed in a setting selected by the student in consultation with the coop teacher and can be in an apprenticeship, professional, non-profit, or other workplace.

COURSE NOTE: You must complete and submit the Coop Application Form available on your Portfolio Homepage, and submit it to the Coop Office, rm 204.

CREDIT: 4 **TYPE:** Open **GRADE:** 11

PREREQUISITE: GLC205 - Career Studies;

WRK50D Coop Gold Collar Program 4 Period

Cooperative education programs, provide opportunities for learning in apprenticeship and workplace settings in combination with classroom studies, are designed to suit students' particular strengths, interests, and needs and further enhance their preparation for the future.

This 4 period program is offered in conjunction with Bowmanville High School. Students experience a wide variety of skilled trades on a construction site at the Port of Newcastle.

Transportation is provided.

COURSE NOTE: You must complete and submit the Coop Application Form available on your Portfolio Homepage, and submit it to the Coop Office, rm 204.

CREDIT: 4 **TYPE:** Open **GRADE:** 11

PREREQUISITE: GLC205 - Career Studies;

WRK50P Coop Peer Tutoring 1 Period

Cooperative education programs, provide opportunities for learning in apprenticeship and workplace settings in combination with classroom studies, are designed to suit students' particular strengths, interests, and needs and further enhance their preparation for the future.

The peer tutoring option allows students to work with a teacher mentor to tutor students in a subject area of their choosing. This option is particularly of interest to students who wish to explore teaching, social work and related fields.

COURSE NOTE: You must complete and submit the Coop Application Form available on your Portfolio Homepage, and submit it to the Coop Office, rm 204.

CREDIT: 1 **TYPE:** Open **GRADE:** 11

PREREQUISITE: GLC205 - Career Studies;

WRK50M Coop Military 4 Period

Cooperative education programs, provide opportunities for learning in apprenticeship and workplace settings in combination with classroom studies, are designed to suit students' particular strengths, interests, and needs and further enhance their preparation for the future.

This coop option places students with the Canadian Armed Forces for an all day, 4 credit experience.

COURSE NOTE: You must complete and submit the Coop Application Form available on your Portfolio Homepage, and submit it to the Coop Office, rm 204. Program pending Ministry Funding.

CREDIT: 4 **TYPE:** Open **GRADE:** 12

PREREQUISITE: GLC205 - Career Studies;

WRK50Y Coop OYAP 4 Period

Cooperative education programs provide opportunities for learning in apprenticeship and workplace settings in combination with classroom studies, are designed to suit students' particular strengths, interests, and needs and further enhance their preparation for the future.

The OYAP or Ontario Youth Apprenticeship Program option allows students to complete a 4 credit coop in a skilled trade while receiving the first semester of college apprenticeship training. For this reason this coop should be undertaken in semester 2 of the student's final year at school.

COURSE NOTE: You must complete and submit the Coop Application Form available on your Portfolio Homepage, and submit it to the Coop Office, rm 204.

CREDIT: 4 **TYPE:** Open **GRADE:** 12
PREREQUISITE: GLC205 - Career Studies;

Health and Physical Education

PLF4C1 Recreation and Fitness Leadership

This course focuses on the development of leadership and coordination skills related to recreational activities. Students will acquire the knowledge and skills required to plan, organize, and implement recreational events. They will also learn how to promote the value of physical fitness, personal well-being, and personal safety to others through mentoring. The course will prepare students for college programs in recreational, leisure, and fitness leadership.

CREDIT: 1 **TYPE:** College **GRADE:** 12

PREREQUISITE: Any Grade 11 or 12 open course in Health and Physical Education.

PPL4O1 Healthy Active Living Education Grade 12 Co-ed

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

CREDIT: 1 **TYPE:** Open **GRADE:** 12

PSE4U1 Exercise Science

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

COURSE NOTE: Course includes Red Cross Standard First Aid and CPR certification.

CREDIT: 1 **TYPE:** University **GRADE:** 12

PREREQUISITE: Any Grade 11 university or university/college preparation course in science, or any Grade 11 or 12 open course in Health and Physical Education.

Humanities and Social Studies

HHS4M1 Individuals and Families in a Diverse Society

This course applies current theories and research from the disciplines of anthropology, psychology, and sociology to the study of individual development, family behaviour, intimate and parent-child relationships, and the ways in which families interact within the diverse Canadian society. Students will learn the interpersonal skills required to contribute to the well-being of families, and the investigative skills required to conduct and evaluate research about individuals and families.

CREDIT: 1 **TYPE:** University/College **GRADE:** 12

PREREQUISITE: Any university, university/college, or college preparation course in Social Sciences and Humanities, English, or Canadian and World Studies.

HSB4M1 Challenge and Change in Society

This course examines the theories and methodologies used in anthropology, psychology, and sociology to investigate and explain shifts in knowledge, attitudes, beliefs, and behaviour and their impact on society. Students will analyse cultural, social, and biological patterns in human societies, looking at the ways in which those patterns change over time. Students will also explore the ideas of classical and contemporary social theorists, and will apply those ideas to the analysis of contemporary trends.

CREDIT: 1 **TYPE:** University/College **GRADE:** 12

PREREQUISITE: Any university, university/college, or college preparation course in Social Sciences and Humanities, English, or Canadian and World Studies.

HZT4U1 Philosophy: Questions and Theories

This course addresses three (or more) of the main areas of philosophy: metaphysics, logic, epistemology, ethics, social and political philosophy, and aesthetics. Students will learn critical thinking skills, the main ideas expressed by philosophers from a variety of the world's traditions, how to develop and explain their own philosophical ideas, and how to apply those ideas to contemporary social issues and personal experiences. The course will also help students refine skills used in researching and investigating topics in philosophy.

CREDIT: 1 **TYPE:** University **GRADE:** 12

PREREQUISITE: Any university or university/college preparation course in Social Sciences and Humanities, English, or Canadian and World Studies.

Languages - Moderns

French

FSF4U1 Core French Grade 12

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

CREDIT: 1 **TYPE:** University **GRADE:** 12

PREREQUISITE: FSF3U1 - Core French Grade 11;

Spanish

LWSDU1 Spanish

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

CREDIT: 1 **TYPE:** University **GRADE:** 12

PREREQUISITE: LWSCU1 - Spanish;

Mathematics

MAP4C1 College and Apprenticeship Mathematics Grade 12

This course enables students to broaden their understanding of real-world applications of mathematics. Students will analyse data using statistical methods; solve problems involving applications of geometry and trigonometry; solve financial problems connected with annuities, budgets, and renting or owning accommodation; simplify expressions; and solve equations. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for college programs in areas such as business, health sciences, and human services, and for certain skilled trades. Note: This course is recommended to students for whom math is not a requirement for their college program of choice.

CREDIT: 1 **TYPE:** College **GRADE:** 12

PREREQUISITE: MBF3C1 - Mathematics of Personal Finance - Grade 11 College Preparation; MCF3M1 - Functions - Grade 11 College/University; MCR3U1 - Functions - Grade 11 University Preparation;

MCT4C1 Mathematics for College Technology Grade 12

This course enables students to extend their knowledge of functions. Students will investigate and apply properties of polynomial, exponential, and trigonometric functions; continue to represent functions numerically, graphically, and algebraically; develop facility in simplifying expressions and solving equations; and solve problems that address applications of algebra, trigonometry, vectors, and geometry. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for a variety of college technology programs. **COURSE NOTE:** Students planning to pursue math intensive programs e.g. nursing, business, technology, engineering, etc. in college are encouraged to take MCF3M1 and MCT4C1. "Pending Ministry approval, a team-taught dual credit will be offered in this course with Durham or Fleming College for 2012-2013. Students will earn both a secondary school credit and a college credit when they are successful in this program."

CREDIT: 1 **TYPE:** College **GRADE:** 12

PREREQUISITE: MCR3U1 - Functions - Grade 11 University Preparation; MCF3M1 - Functions - Grade 11 College/University;

MCV4U1 Calculus and Vectors

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

COURSE NOTE: MHF4U1, Grade 12, Advanced Functions, must be taken prior to or concurrently with MCV4U1, Calculus and Vectors.

CREDIT: 1 **TYPE:** University **GRADE:** 12

PREREQUISITE: MHF4U1 - Advanced Functions; MHF4UA - Advanced Functions - Enriched;

MDM4U1 Mathematics of Data Management

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

CREDIT: 1 **TYPE:** University **GRADE:** 12

PREREQUISITE: MCR3U1 - Functions - Grade 11 University Preparation; MCF3M1 - Functions - Grade 11 College/University;

MEL4E1 Mathematics for Work and Everyday Life Grade 12

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

CREDIT: 1 **TYPE:** Workplace **GRADE:** 12

PREREQUISITE: MEL3E1 - Mathematics for Everyday Life Grade 11;

MHF4U1 Advanced Functions

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

CREDIT: 1 **TYPE:** University **GRADE:** 12

PREREQUISITE: MCR3U1 - Functions - Grade 11 University Preparation; MCT4C1 - Mathematics for College Technology Grade 12; MCR3UA - Functions - Grade 11 Enriched;

MHF4UA Advanced Functions - Enriched

This course extends students' experience with functions. Students will investigate the properties of polynomial, rational, logarithmic, and trigonometric functions; develop techniques for combining functions; broaden their understanding of rates of change; and develop facility in applying these concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended both for students taking the Calculus and Vectors course as a prerequisite for a university program and for those wishing to consolidate their understanding of mathematics before proceeding to any one of a variety of university programs. Students in this Enriched section will be given opportunities to extend their knowledge and understanding of concepts and problem solving by completing some work independently as well as preparing for and participating in two Waterloo Mathematics Contests (November and April).

COURSE NOTE: The approval of the mathematics department, which includes participation in the Waterloo mathematics contests is required.

CREDIT: 1 **TYPE:** Enriched Courses **GRADE:** 12

PREREQUISITE: MCR3U1 - Functions - Grade 11 University Preparation; MCR3UA - Functions - Grade 11 Enriched;

Science

IDC4U1 Forensic Science

This course examines methods of forensic science as it pertains to the relation and application of scientific data to legal issues. The students will study the use of diverse scientific principles and technology to gather data to aid police investigations towards the solving of crimes. An emphasis will be placed on the gathering of crime scene information and analysis of this information, using an interdisciplinary approach, to be used in criminal court cases. A wide range of topics such as fingerprinting, forensic anthropology, forensic entomology, and DNA analysis will be studied as well as the use of a variety of presentation technologies and strategies.

CREDIT: 1 **TYPE:** University **GRADE:** 12

PREREQUISITE: Any university or university/college course.

SBI4U1 Biology - Grade 12 University Preparation

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

COURSE NOTE: Recommended previous course: Chemistry, Grade 11, University Preparation.

CREDIT: 1 **TYPE:** University **GRADE:** 12

PREREQUISITE: SBI3U1 - Biology - Grade 11 University Preparation; SBI3UA - Biology - Grade 11 Enriched;

SBI4UA Biology - Grade 12 Enriched

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

COURSE NOTE: Recommended previous course: Chemistry, Grade 11, University Preparation

CREDIT: 1 **TYPE:** University Pre AP **GRADE:** 12

PREREQUISITE: SBI3U1 - Biology - Grade 11 University Preparation; SBI3UA - Biology - Grade 11 Enriched;

SCH4C1 Chemistry - College Preparation

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

COURSE NOTE: Recommended previous course: Math, Grade 10 Academic or MFM2P1, Applied

CREDIT: 1 **TYPE:** College **GRADE:** 12

PREREQUISITE: SNC2D1 - Science - Grade 10 Academic; SNC2P1 - Science - Grade 10 Applied;

SCH4U1 Chemistry - Grade 12 University Preparation

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

COURSE NOTE: Recommended previous course: Math, Grade 11, University Preparation

CREDIT: 1 **TYPE:** University **GRADE:** 12

PREREQUISITE: SCH3U1 - Chemistry - Grade 11 University Preparation; SCH3UA - Chemistry - Grade 11 Enriched;

SCH4UA Chemistry - Grade 12 Enriched

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

COURSE NOTE: Recommended previous course: Math, Grade 11, University Preparation

CREDIT: 1 **TYPE:** University Pre AP **GRADE:** 12

PREREQUISITE: SCH3U1 - Chemistry - Grade 11 University Preparation; SCH3UA - Chemistry - Grade 11 Enriched;

SNC4E1 Science - Workplace Preparation

This course provides students with fundamental science knowledge and workplace skills needed to prepare them for success beyond secondary school. Students will explore hazards in the workplace, chemicals in consumer products, disease and its prevention, electricity at home and at work, and nutritional science. Emphasis is placed on current topics in science and relevant, practical activities that develop students' literacy and mathematical literacy skills and enhance their scientific literacy.

CREDIT: 1 **TYPE:** Workplace **GRADE:** 12

PREREQUISITE: SNC2P1 - Science - Grade 10 Applied;

SNC4M1 Science - College/University Preparation (Health Focus)

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

CREDIT: 1 **TYPE:** University/College **GRADE:** 12

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

SPH4C1 Physics - College Preparation

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

COURSE NOTE: Recommended previous course: MBF3C1, Math, Grade 11, College

CREDIT: 1 **TYPE:** College **GRADE:** 12

PREREQUISITE: SNC2D1 - Science - Grade 10 Academic; SNC2P1 - Science - Grade 10 Applied;

SPH4U1 Physics - Grade 12 University Preparation

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

COURSE NOTE: Recommended previous course: Math, Grade 11, University Preparation

CREDIT: 1 **TYPE:** University **GRADE:** 12

PREREQUISITE: SPH3U1 - Physics - Grade 11 University Preparation; SPH3UA - Physics - Grade 11 Enriched;

SPH4UA Physics - Grade 12 Enriched

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

COURSE NOTE: Recommended previous course: Math, Grade 11, University Preparation

CREDIT: 1 **TYPE:** University Pre AP **GRADE:** 12

PREREQUISITE: SPH3U1 - Physics - Grade 11 University Preparation; SPH3UA - Physics - Grade 11 Enriched;

TPJ4M1 Health Care

This course focuses on the development of a range of skills needed to analyse and interpret clinical findings. Students will learn about accepted health care practices and demonstrate an understanding of basic procedures and the use of appropriate instruments and equipment. They will acquire an understanding of basic concepts related to the function of the human immune system and explore the relationship between pathology and disease prevention and treatment. Students will expand their awareness of workers' health and safety issues, analyse environmental and societal issues related to health care, and further explore professional practice standards and postsecondary destinations in the field. Pending Ministry approval, a team-taught dual credit will be offered in this course for 2012-2013. Students will earn both a secondary school credit and a college credit when they are successful in this program.

CREDIT: 1 **TYPE:** University/College **GRADE:** 12

Technology

Communications Technology

TGG4M1 Communications Technology: Print and Graphic Communications

No description available This course enables students to further develop media knowledge and skills while designing and producing projects in the areas of live, recorded, and graphic communications. Students may work in the areas of TV, video, and movie production; radio and audio production; print and graphic communications; photography; digital imaging; broadcast journalism; and interactive new media. Students will also expand their awareness of environmental and societal issues related to communications technology, and will investigate career opportunities and challenges in a rapidly changing technological environment.

COURSE NOTE: Students will continue with yearbook production, support the grade 11 students and face other school related design challenges.

CREDIT: 1 **TYPE:** University/College **GRADE:** 12

PREREQUISITE: Prerequisite: TGG3M Communications Technology: Print and Graphic Communications, Double Credit Yearbook.

TGJ4M1 Communications Technology - Multi-Media

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

COURSE NOTE: Must have taken a grade 11 M level comm. tech. as prerequisite.

CREDIT: 1 **TYPE:** University/College **GRADE:** 12

PREREQUISITE: TGJ3M1 or TGI3M1

TGJ4O1 Communications Technology: Digital Imagery and Web Design

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

CREDIT: 1 **TYPE:** Open **GRADE:** 12

TGP4M1 Communications Technology: Photography and Digital Imaging

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

CREDIT: 1 **TYPE:** University/College **GRADE:** 12

Hair & Aesthetics

TXJ4E2 Hairstyling and Aesthetics

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

CREDIT: 2 **TYPE:** Workplace **GRADE:** 12

PREREQUISITE: TXJ3E1 - Hairstyling and Aesthetics;

Hospitality (Cooking)

TFJ4C2 Hospitality and Tourism

This course enables students to further develop knowledge and skills related to the various sectors of the tourism industry. Students will demonstrate advanced food preparation and presentation skills; increase health and wellness knowledge; develop tourism administration and management skills; design and implement a variety of events or activities; and investigate principles and procedures that contribute to high-quality customer service. Students will expand their awareness of health and safety issues, environmental and societal issues, and career opportunities in the tourism industry. **COURSE NOTE:** "Pending Ministry approval, a team-taught dual credit will be offered in this course with Durham or Fleming College for 2012-2013. Students will earn both a secondary school credit and a college credit when they are successful in this program."

CREDIT: 2 **TYPE:** College **GRADE:** 12

PREREQUISITE: TFJ3C1 - Hospitality and Tourism;

TFJ4E2 Hospitality and Tourism

This course enables students to further develop knowledge and skills related to the food and beverage services sector of the tourism industry. Students will demonstrate proficiency in using food preparation and presentation tools and equipment; plan nutritious menus, create recipes, and prepare and present finished food products; develop customer service skills; and explore event and activity planning. Students will expand their awareness of health and safety practices, environmental and societal issues, and career opportunities in the food and beverage services sector.

CREDIT: 2 **TYPE:** Workplace **GRADE:** 12

PREREQUISITE: TFJ3E1 - Hospitality and Tourism;

Technological Design

TDJ4M1 Technological Design

This course introduces students to the fundamentals of design advocacy and marketing, while building on their design skills and their knowledge of professional design practices. Students will apply a systematic design process to research, design, build, and assess solutions that meet specific human needs, using illustrations, presentation drawings, and other communication methods to present their designs. Students will enhance their problem-solving and communication skills, and will explore career opportunities and the postsecondary education and training requirements for them.

CREDIT: 1 **TYPE:** University/College **GRADE:** 12

PREREQUISITE: TDJ3M1 - Technological Design;

TDP4M1 Technological Design: Apparel and Textile Design

This course introduces students to the scope of the Fashion industry. Students will build on their acquired fashion design and sewing fabrication skills from grade 11 and use a variety of materials, tools, equipment, and processes to construct products that adhere to fabric design specifications and meet quality control industry standards. Emphasis will focus on developing a personal collection of drawings and patterns which will be used to create the student's own Fashion Design Portfolio.

CREDIT: 1 **TYPE:** University/College **GRADE:** 12

TDV4M1 Technological Design: Interior Design

No description available This course introduces students to the fundamentals of design advocacy and marketing, while building on their design skills and knowledge of professional design practices. Students will apply a systematic design process to research, design, build, and assess solutions that meet specific human needs, using illustrations, presentation drawings, and other communication methods to present their designs. Students will enhance their problem solving and communication skills, and explore career opportunities and the postsecondary education and training requirements for them. The focus of this course is Interior Design and students will expand their knowledge on the basics of floor plan, design, furniture design, colour theory and colour coordination for interiors with emphasis on the development and implementation of residential interior design for specific human needs in a whole home concept.

COURSE NOTE: The focus of this course is Interior Design and students will expand their knowledge on the basics of floor plan, design, furniture design, colour theory and colour coordination for interiors with emphasis on the development and implementation of residential interior design for specific human needs in a whole home concept.

CREDIT: 1 **TYPE:** University/College **GRADE:** 12

PREREQUISITE: Prerequisite: TDV3M1 Interior Design, Grade 11, University/College Preparation