



Lambton Kent
District School Board
Student Achievement ✓ *Community Success*

www.lkdsb.net

Course Calendar 2014-2015

(Grades 9 -12)

Please refer to www.lkdsb.net for a Course Calendar with the most up-to-date information.

A Guide to Public Secondary Education

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Secondary Schools: Information/Courses

Alexander Mackenzie Secondary School
 Blenheim District High School
 Chatham Kent Secondary School
 John McGregor Secondary School
 Lambton Central Collegiate & Vocational Institute
 Lambton-Kent Composite School
 North Lambton Secondary School
 Northern Collegiate Institute & Vocational School
 Ridgetown District High School
 Sarnia Collegiate Institute & Technical School
 St. Clair Secondary School
 Tilbury District High School
 Wallaceburg District Secondary School

Course Descriptions

Yellow Pages

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• Manufacturing Technology	
• Technological Design	
• Transportation Technology	

The center of the book has been designed as an educational planner. Pull out these pages and take them to your Student Services counsellor for assistance.

**THIS CALENDAR INCLUDES DESCRIPTIONS OF ALL GRADE 9 THROUGH 12
COURSES OFFERED BY THE LAMBTON KENT DISTRICT SCHOOL BOARD**

COURSE SELECTION

Students must seek information from individual school's staff regarding the course offerings. Course Request Forms (option sheets) are provided by each secondary school for the annual selection of courses. Students may be requested to submit their course selections electronically.

USING THE COURSE CALENDAR

For: General Information

Pages 3 - 10 provide information on diplomas, certificates, course codes, adult education, Summer Semester and cooperative education. Refer to the **TABLE OF CONTENTS** to take you quickly to the information you seek.

All LKDSB secondary schools operate on a two semester per year system. Individual schools may offer select courses on a full year basis and may vary the number of terms and marking periods.

For: Specific Subject Information

Refer to the **TABLE OF CONTENTS** to take you quickly to the descriptions of subjects in which you have an interest. The explanation of course codes (e.g. **ENG 1D1**) found on page 5 will be helpful.

For: Availability of Subjects in Each School

Each school has a complete summary of codes to indicate subjects offered at each grade level by the various departments in the school.

For: Program Planning

(A) The centre pull out section is for your personal use. It provides a summary of diploma requirements, prerequisites, codes for every subject at each school and a **PLANNER** (p. 4) to represent each year you might spend in secondary school. Use a pencil and project some possibilities! Modify your proposals as further thoughts and experiences clarify your goals.

(B) See a Student Services counsellor. Every secondary school has a counselling service that places a high priority on assisting individual students with program planning. Do not hesitate to request a personal appointment whenever necessary.

Course Changes

Decisions on school organization and staffing are made on the basis of initial student course selections. For this reason, changing courses during the school year is discouraged. In no case should changes be made without consultation among the student, counsellor and parent. Any change in courses should be made with careful consideration of the student's needs and career goals, and with the consent of the parent/guardian, unless the student is 18 years of age.

CONCURRENT STUDENTS -

Taking courses at more than one school

In certain situations, and if timetables and class size allow, senior students may enroll in courses at two different schools. The responsibility for transportation, regular attendance, and punctuality lies with the students.

TRANSFER POLICY CHOICE OF SCHOOLS

It is the policy of the Lambton Kent District School Board that students may apply to a secondary school, other than their home school, by requesting from their home Principal a Request for Transfer Form for presentation to the Principal of their requested school. The Principal of the receiving school will rule on the application according to the transfer policy of the Board which is printed on the Request for Transfer Form. School transfers may affect athletic eligibility.

The Board will not accept responsibility for transportation outside a school attendance area except for medically authorized need, confirmed by the Superintendent of Schools.

COSTS TO ANTICIPATE

ACTIVITY FEE

Each school will charge a student activity fee, which covers many student activities planned throughout the school year. Some courses may include a fee to offer enhancements or supplementary learning materials beyond the core curriculum.

ATHLETIC FEE

Some secondary schools charge an athletic fee for participation on school teams. Contact your secondary school for details.

INDIVIDUAL SUBJECTS

For all subjects, essential course materials are provided. Students will also be given the opportunity to purchase optional materials, which would enhance the student's educational experience in any given course. Workbooks in some business or language courses would be available for purchase. Supplemental materials in some art, technology, health & physical education, computer studies and family studies courses are available for purchase. Other departments may offer opportunities for students to purchase supplemental supplies as a convenience.

LOCKER RENTAL \$5.00

GRADUATION FEE

For potential graduates; up to \$40.00; to cover graduation attire.

PHYSICAL EDUCATION UNIFORMS

Some secondary schools require students participating in a physical education course to purchase a short and shirt combination.

SCHOOL PICTURES AND YEARBOOKS

These are optional purchases, with a range of picture combinations costing from (approximately) \$10.00 - \$30.00, and yearbooks costing \$40.00 - \$50.00.

Each school will provide a summary of such costs upon request.

EQUAL EDUCATION OPPORTUNITY

The Lambton Kent District School Board strives to extend equal education opportunities to its students. This philosophy permeates not only the schools' curricula, policies, teaching methods and materials, and assessment procedures, but also attitudes and expectations of its staff and their interaction with students, parents, and the community.

CODE OF CONDUCT AND SAFE SCHOOLS

The Lambton Kent District School Board believes that each student must have the opportunity to achieve the goals of education as established in the Ministry of Education document, Ontario Secondary Schools Grades 9 to 12, Program and Diploma Requirements, 1999.

Fundamental to this policy is the premise that every student not only has the expectation of an education without disruption, but also has the responsibility not to deny this right to others.

The Lambton Kent District School Board policy and regulations on providing a Safe Learning Environment may be viewed at www.lkdsb.net. Adhering to Board policy, each public secondary school has an established Code of Student Behaviour. Codes are reviewed annually and may be amended. The Code of Student Behaviour outlines specific expectations for students as they relate to their particular school. The Code is published and made available to each student.

ONTARIO SECONDARY SCHOOL DIPLOMA (OSSD) REQUIREMENTS

Diploma Courses

Successful completion of 30 credits (18 Compulsory and 12 Optional credits) plus the additional requirements are required to earn a graduation diploma. A credit is granted to a student who has successfully completed a course for which a minimum of 110 hours has been scheduled. The Diploma is issued by the Ontario Ministry of Education and states that a student has completed, successfully, the minimum requirements for the Ontario Secondary School Diploma (OSSD).

Substitutions for a Compulsory Course

The decision to make a substitution for a student should be made only if the student's educational interests are best served by such substitution. The principal will determine whether or not a substitution should be made.

Compulsory Credits (total of 18)

- 4 English^[1] (1 credit per grade)
- 3 Mathematics (at least 1 credit in Grade 11 or 12)
- 2 Science
- 1 Canadian Geography
- 1 Canadian History

- 1 French-as-a-Second-Language [2]
- 1 Arts (Dance, Drama, Music or Visual Art)
- 1 Health and Physical Education
- .5 Civics and Citizenship
- .5 Career Studies

Group 1 - Additional credit in English, or French as a second language^[6] or a Native language, or a classical or an international language or social sciences^[3] and the humanities, or Canadian and world studies^[4], or guidance and career education or cooperative education^[5]

Group 2 - Additional credit in health and physical education, or the arts, or business studies or French as a second language^[6] or cooperative education^[5]

Group 3 - Additional credit in science, computer studies, French as a second language^[6], technological education or cooperative education^[5]

^[1]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.

^[2] In schools which offer Delaware or Ojibwe, native students may choose to take Delaware or Ojibwe in addition to French, or as an alternative to French.

^[3] Social science courses are Family Studies, World Religions, Society: Challenge and Change, and Philosophy.

^[4] Canadian and World Studies courses are Geography, History, Law, Politics and Economics.

^[5] A maximum of 2 credits in cooperative education can count as compulsory credits.

^[6] A maximum of 2 credits in French as a second language can count as compulsory credits.

Optional Credits (total of 12)

The remaining 12 credits may be selected from any subject area. Selection of these credits is based on interests, and future educational and career plans.

Additional Requirements include:

- completion of 40 hours of community involvement activities; and
- successful completion of the Ontario Secondary School Literacy requirement.

Community Involvement Activities

Every student must complete a minimum of 40 hours of community involvement activities as part of the requirements for an Ontario Secondary School Diploma.

The Ontario Secondary School Literacy Requirement

All students must complete, successfully, the Grade 10

OSSLT (Ontario Secondary School Literacy Test) or the Grade 12 OSSLC (Ontario Secondary School Literacy Course), if unsuccessful with the OSSLT.

Students will normally take the literacy test in the Grade 10 year (2nd year of secondary school). The literacy course provides an opportunity for students who are unsuccessful on the literacy test to meet the literacy diploma requirements. Students may not enroll in the literacy course until they have written the test at least once and been unsuccessful. If students are absent for the test in Grade 10 and Grade 11 they must attempt to pass the test in their Grade 12 year.

Both the test and course are based on the Ontario Curriculum expectations for language and communication, particularly reading and writing, up to and including Grade 9.

The Adjudication Process:

Students otherwise eligible to graduate in the present calendar year who have not successfully completed the literacy requirement may be eligible for the Graduation Literacy Requirement: Adjudication Process.

A student's eligibility will be reviewed by school administration.

THE ONTARIO SECONDARY SCHOOL CERTIFICATE

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

Compulsory credits (total of 7)

- 2 English
- 1 Canadian Geography or Canadian History
- 1 Mathematics
- 1 Science
- 1 Health and Physical Education
- 1 Arts or Technological Education

Optional credits (total of 7)

7 credits selected by the student from available courses

THE CERTIFICATE OF ACCOMPLISHMENT

Students who leave school without fulfilling the requirements for the Ontario Secondary School Diploma or the Ontario Secondary School Certificate may be granted a Certificate of Accomplishment. This certificate may be a useful means of recognizing achievement for students who plan to take certain vocational programs

or other kinds of further training, or who plan to find employment after leaving school.

ACCESS TO OUTLINES OF COURSES OF STUDY

School principals retain, on file, up-to-date copies of the outlines of courses of study for all courses offered at the school. These outlines of the courses of study must be available at the school for parents and students to examine. Information regarding access to these outlines may be obtained by contacting the school. Curriculum policy documents may be accessed through the Ministry of Education website at <http://www.edu.gov.on.ca>.

COURSE CODES

All courses in secondary school are identified by a course code which consists of 6 characters. Course codes appear before the course title. The sixth character is used by the individual school board to further define the course. The **first character** represents the subject group:

- A Arts
- B Business Studies
- C Canadian and World Studies
- L Classical and International Languages (such as Native Languages, German, Spanish)
- I Computer Studies
- E English
- F French
- G Guidance and Career Education
- P Health and Physical Education
- M Mathematics
- N Native Studies
- S Science
- H Social Sciences and the Humanities
- T Technological Education

The **next two characters** indicate the specific course:

- e.g. AMI Music-Instrumental
- BBI Introduction to Business
- CGC Canadian Geography

The **fourth character** refers to the grade of the course:

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

The **fifth character** refers to the course type:

- C – College D – Academic E – Workplace
- L – Locally Developed M – University/College
- O – Open P – Applied U – University

- e.g. ENG 1 D
- English Grade 9 Academic

Unless otherwise indicated in the course descriptions, **the**

sixth digit will designate the credit value of the course.

TYPES OF COURSES

Grade 9 and 10 courses are streamed into
Academic (D)
Applied (P)
Locally Developed (L)
Open (O)

Academic (D)

In an Academic course, the student will learn the essential concepts of a subject and explore related material as well. Emphasis will be on theory and abstract thinking as a base for future learning and problem solving.

Applied (P)

In an Applied course, the student will learn the essential concepts of a subject. Knowledge and skills will be developed through both theory and practical applications, but the focus will be on practical applications.

Locally Developed Courses (L)

These courses are designed locally to meet the unique needs of some students in the Lambton Kent District School Board. The Ministry of Education approves each course.

The LKDSB offers six Locally Developed Courses for the workplace pathway. These Grade 9 and 10 compulsory credit courses are offered in English, Mathematics and Science to help prepare students for the Grade 11 workplace destination courses.

Open (O)

Courses that are not specific to any post-secondary destination and are appropriate for all students, which students may take to meet compulsory or optional requirements and/or for personal growth and interest are labeled Open.

Grade 11 and 12 Courses are streamed into destination courses:

College Preparation (C)
Open (O)
University / College Preparation (M)
University Preparation (U)
Workplace Preparation (E)

College Preparation Courses (C)

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

Open Courses (O)

Courses that are not specific to any post-secondary destination and are appropriate for all students, which students may take to meet compulsory or optional requirements and/or for personal growth and interest are

labeled Open.

University / College Preparation Courses (M)

University / College preparation courses include content that is relevant for both university and college programs. They are designed to equip the students with the knowledge and skills needed to meet the entrance requirements for specific university and college programs.

University Preparation Courses (U)

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

Workplace Preparation Courses (E)

Workplace preparation courses are designed to equip students with the knowledge and skills they need for direct entry into the workplace or for admission to apprenticeship programs and other training programs offered in the community.

Interdisciplinary Studies (IDC)

The Ministry of Education allows schools, under a Principal's authorization, to develop and deliver curricula that go beyond the traditional subject areas. These Interdisciplinary Studies can be delivered as single credit courses or packages of courses and are restricted to Grades 11 and 12. Please contact the Principal's office for further information.

CHANGING COURSE TYPES

Students enrolled in one type of course may enroll in a different type of course in a subsequent year. Changing course-streams becomes more difficult as students advance through the system, or in situations involving courses that have prerequisites. Nevertheless, a variety of options exists to enable students to make the transition.

When a student plans to switch from one course type in Grade 9 Math to another course type in Grade 10 Math, students must complete a transfer course. This transfer course may be completed in the summer semester. Successful completion of the transfer course is recognized by the granting of ½ credit. Contact Student Services for additional information.

A student wishing to change course-stream types between Grades 10 and 11, and/or Grades 11 and 12 may, for example:

- take a course of another type (e.g. academic) that will satisfy the prerequisites for a course in a higher grade (e.g., a university preparation course) that the student wishes to take.
- any student changing course type needs to have a

discussion with their Student Services counsellor.

COURSE PREREQUISITES

Some courses extend or build upon knowledge and skills developed in other courses. The Ministry of Education designates the courses for which prerequisites are required.

ASSESSMENT AND EVALUATION

Course statements (first day handout) in secondary schools will be provided to students at the start of the course. It will include, but is not limited to items such as overall curriculum expectations, strategies for assessment and evaluation, expectations of students (ie. learning skills, attendance, academic honesty, etc.). Teachers will obtain assessment information through a variety of means, like formal and informal observations, discussions, learning conversations, questioning, conferences, homework, tasks done in groups, self and peer assessments, self-reflections, portfolios; evaluation may include rich performance tasks, demonstrations, projects and/or tests, exams and essays. Procedures for assessing and evaluating student progress will vary to meet the requirements of different individuals and groups of students, the needs of special education students, different courses, and a variety of learning environments. There is an obvious direct relationship between students' success in a course and their attendance.

PRIOR LEARNING ASSESSMENT AND RECOGNITION (PLAR)

Prior learning includes the knowledge and skills that students have acquired, in both formal and informal ways, outside secondary school. Where such learning has occurred outside Ontario classrooms, students enrolled in Ontario secondary schools may have their skills and knowledge evaluated against the expectations outlined in provincial curriculum policy documents in order to earn credits towards the secondary school diploma. This formal evaluation and accreditation process is known as Prior Learning Assessment and Recognition (PLAR). PLAR procedures are carried out under the direction of the Principal, who grants credits. Contact the Principal for more information.

ONTARIO STUDENT RECORD (OSR)

Every student who attends an Ontario school has a cumulative record folder called the Ontario Student Record (OSR). Contained within the OSR are elementary school achievement forms, secondary school achievement forms, a Documentation File listing any special services received by the student, the Record of Accumulated Instruction in French as a Second Language or Native as a Second Language, and the Ontario

Student Transcript. Students and their parents/guardians have the right to examine the contents of the OSR by appointment. No records may be released without the written permission of a parent/guardian of the student who is under the age of 18. Students 18 years and over must provide written approval for anyone other than school officials to have access to their records.

ONTARIO STUDENT TRANSCRIPT (OST)

The transcript is part of the OSR and will include information on:

- the student's courses successfully completed in Grades 9 and 10 with percentage grades earned and credits gained;
 - a list of all Grade 11 and 12 courses taken or attempted by the student, with the percentage grades earned and the credits gained;
- Full Disclosure Note:** Course withdrawal after 5 instructional days following the issue of the first provincial report card will be recorded on the Ontario Student Transcript (OST) for any Grade 11 or 12 course;
- diploma requirements earned to date.

The Ontario Student Transcript is issued by the school, on request, and lists the courses which have been completed successfully as well as the marks and credits obtained. It is an important document for employment purposes and for admission to post-secondary institutions. Students may request copies of their Ontario Student Transcript by contacting the office personnel at their secondary school. The fee for transcripts will be \$10.00 per transcript. Third party requests (e.g., law firms, insurance companies) will incur a \$10.00 fee per transcript. Transcripts must be requested either in writing or by fax with a signature of the student requesting the transcript.

EXPERIENTIAL LEARNING

These programs are designed to prepare students for work and to introduce them to specific career areas. Students interested in any of these programs should contact Student Services for additional information.

Work Experience

Work experience involves a one or two week placement at a worksite related to a particular program of study. It is part of an in-school course and no additional credits are awarded.

Cooperative Education

Cooperative Education involves a specific mode of instruction which combines academic learning, technical learning and on-the-job training through curriculum planning. Cooperative Education provides students with more time in a work setting than other experiential learning forms.

Take Our Kids to Work (TOKTW)

7 Grade 9 students accompany their parent/guardian to 2014-2015

their place of work for one day.

Ontario Youth Apprenticeship Program (OYAP)

The Ontario Youth Apprenticeship Program offers senior high school students (Grades 11 and 12) the opportunity to train as registered apprentices while enrolled in high school. Under the OYAP option, students will complete their high school diploma and gain apprenticeship training towards a Certificate of Qualification and journey person status. All OYAP students must enroll as a Cooperative Education student and follow the Policies and Procedures of Coop. Refer to <https://www.lkdsb.net/Program/oyap.htm>

Industry/Education Partnerships

Partnerships involving an individual school and a particular business/industry exist in many of our schools. These partnerships provide a vehicle to allow community groups, business, industry and labour to cooperate with educators in preparing students for their future role in society.

SPECIAL EDUCATION

Academic Enrichment Program

Academic enrichment opportunities are available to students who demonstrate abilities beyond curriculum expectations. With direction from the enrichment resource teacher, students are encouraged to participate in the organization, design and implementation of activities that are based on interest and aptitude. Secondary enrichment students may participate in numerous programs and competitions at local, regional and national levels. Enrichment opportunities allow students to acquire a broad knowledge base from which to choose future career and/or areas of academic study. Students also benefit from interaction with peers who share similar interests and abilities.

IPRC

Identification, Placement and Review Committee. Committees are appointed by the Board to identify the learning needs of exceptional pupils and to recommend program placement. The committees work in close cooperation with parents and staff to determine the most appropriate placement. Contact your Principal for more information.

Programs For Students With Developmental Disabilities

Programs at AMSS, BDHS, CKSS, JMSS, LCCVI, NCIVS, NLSS, SCITS, SCSS, and WDSS offer a variety of activities designed to develop the potential of each student. Subject areas and activities are based on the knowledge and skills that an individual needs to acquire to function as independently as possible in the community.

Program For The Medically Fragile And Students With Multiple Exceptionalities

AMSS, JMSS, LCCVI and WDSS offer this program which

is designed to maximize the potential of each student. It often includes support from medical professionals. The course encompasses life management skills including many phases of self-help, modified physical education and recreation, and opportunities for peer interaction.

Academics Based On Life Experience (Able) Program

The ABLE Program is available at AMSS, JMSS and WDSS for those identified students who require opportunities to access alternative curriculum expectations to enhance existing communication, academic and personal life management skills. This program also provides students with opportunities to develop life and leisure skills while transitioning into other learning, community and work settings.

Essential Program

Essential courses offer part-time special education programs and services for students who possess the ability to profit educationally within a regular class, with the aid of curriculum modification and support services. This program is designed to provide students with the skills necessary to enter the workplace, and still receive opportunities to achieve an Ontario Secondary School Diploma. This program is available only at AMSS, JMSS and WDSS.

Learning Resource Centre

The school's Learning Resource Centre staff assist students experiencing academic difficulties. Resource staff support the classroom teacher in meeting the needs of exceptional students. Individual and small group instruction is available, where appropriate.

Psychology Department

The Psychology Department offers confidential specialized assessment, and counselling services that are directed toward understanding the social, emotional, behavioural, and academic difficulties of individual students referred to the department. These services are available to students upon request by parents, teachers, or students.

SERVICES: CHILD CARE AND LIBRARY

Child Care Centres

JMSS offers a subsidized child care centre for infants or toddlers of adolescent parents during the hours of their attendance at school. This service is intended to support student-retention, provide quality child care, and offer support to student parents.

Library Resource Centre (LRC)

Each Lambton Kent District School Board secondary school has a professionally staffed LRC. Library staff, in cooperation with classroom teachers, help students develop research skills for independent study, the ability to use traditional and electronic sources of information, and an appreciation of the different media of communication.

GUIDANCE & CAREER EDUCATION

Each secondary school provides a range of information and counselling programs to its community.

Student Services counsellors perform many functions; among those offered are:

- providing information and programs on careers and post-secondary education;
- counselling students regarding educational planning, career awareness and personal concerns;
- facilitating applications to universities, colleges, and other educational institutions;
- making available information on scholarships, bursaries and student awards;
- assisting students to achieve their academic potential and to determine interests in, and aptitudes for, certain careers;
- referring appropriate students to the Board's Psychology Department or to an appropriate community agency.

Strict confidentiality is maintained. Interviews with counsellors may be arranged through each school's Student Services office.

Both parents and students may contact Student Services as needs arise throughout the school year.

ADDITIONAL EDUCATION PROGRAMS

Pathways to Success Program

A Pathways to Success Program has been instituted in all the schools of the Lambton Kent District School Board. A curriculum continuum from Grade 7 to 12 assists students with identifying their interests, and skills and how they relate to the 4 destinations of Apprenticeship, College, University and Work. Students explore various occupations of interest and research educational programs that will take them there. The Pathways to Success website <https://sites.google.com/a/lkdsb.com/step4step/> been created for students and parents to support education planning and the course selection process. Student Services staff provide support for this process as well.

English As A Second Language (ESL)

Permanent residents of Canada who are of secondary school age and whose first language is not English may attain up to five credits in English as a Second Language.

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. A maximum of 2 credits in cooperative education can count as compulsory credits. Up to four credits may be achieved through approved

Dual Credit courses.

Students are assessed upon arrival and are placed at an appropriate level of study. Beginners spend full-time in ESL and gradually integrate with their English speaking peers as ESL support is reduced. The program is offered at SCSS and CKSS, and school bussing is arranged where feasible. Contact Student Services staff for further information.

LEARNING TO 18: STUDENT SUCCESS PROGRAMS

Each secondary school provides a variety of programs, intervention strategies, and resources to assist students who need academic assistance. Examples are: credit recovery opportunities, student success teacher support, and grade 8 to 9 transition programs.

Dual Credit Program

Dual Credit courses are offered by community colleges to assist secondary schools in providing students with learning opportunities outside of high school who would benefit from a college or apprenticeship experience. Students will have the opportunity to earn high school credits while studying at a local college. The Dual Credit Program is not intended for students to fast-track through high school. In order to be eligible for this program, students must meet the following criteria:

- be recommended for the Dual Credit Program by their school's Student Success Team;
- be a Grade 12 student;
- be enrolled in a course load at their high school that will allow them to graduate without the Dual Credits;
- be a full-time student - enrolled in at least 3 classes at their school while in the Dual Credit program;

For more information about the Dual Credit Program see your school Student Services Counselor and refer to <http://www.lkdsb.net/Programs/dual-credit.htm>.

Specialist High Skills Major Program

The SHSM is a ministry-approved specialized program that allows students to focus their learning on a specific economic sector while meeting the requirements for the Ontario Secondary School Diploma (OSSD) and assists in their transition from secondary school to apprenticeship training, college, university, or the workplace. Every SHSM must include the following five components:

1. A bundle of 8 – 10 Grade 11 and Grade 12 credits.
2. Sector recognized certifications and/or training courses.
3. Experiential learning and career exploration activities with the sector.
4. "Reach ahead" experiences connected with the student's chosen post-secondary pathway.
5. Development of Essential Skills and work habits required in the sector from the Ontario Skills Passport.

Additional information is available at: <http://www.edu.gov.on.ca/eng/studentsuccess/pathways/shsm/> or from your

school's Student Services Department.

eLearning and Video Conferencing

Online learning is becoming part of all student's learning in secondary schools, 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 curriculum of an online course follows the Ministry Curriculum Documents and is given the same course code. Students take these courses as part of their regular schedule. They remain at their home school and access eLearning at a time most convenient to them and their learning style.

Refer to <https://www.elearningstudents.ca/> or print materials available through Student Services.

Summer Semester

Summer Semester may offer secondary credit upgrading, secondary new credit courses, remedial elementary, and adult education. Courses vary in length and begin early in July. More information is available from the Alternative and Continuing Education Centres or from the Student Services department at any secondary school. Please refer to <http://www.lkdsb.net/Schools/adult-cont.htm>

ALTERNATIVE AND CONTINUING EDUCATION

Lambton County
519-383-8787

Chatham-Kent
519-351-9540

Adult Education

The Adult Education Program is primarily for use by adults, over the age of 18, who wish to upgrade their academic credentials or complete their secondary education.

Alternative Education

A variety of programs are available to assist students who have experienced difficulty in a traditional secondary school environment and who are in need of an alternative program delivery model. Students are referred to these alternative programs by their home school principal. For more information on the various alternative programs available please contact the Student Services

Department.

Credit Courses

Secondary school credit courses can be attained in two ways: independent study or teacher-directed. Teacher-directed classes have a minimum student enrollment requirement. Course offerings and registration dates will be advertised.

Literacy and Basic Skills

This program is available to students not currently enrolled in regular day school. An individualized program tailored to the student's needs allows for continuous intake. Each student's program is supervised by qualified instructors. Programs are available in several locations throughout the District.

International Language

Ministry of Education funding is available for community groups who would like to initiate after school Heritage Language programs for elementary school-aged children. Contact either Alternative and Continuing Education Centres listed above for more information.

How Do I Get Started?

Students who are over 18 or have been referred for this program by a Principal may register at either of the centres. A transcript must be provided at the time of registration. Equivalent education documentation should also be made available. A nominal fee may be required. Please refer to <http://www.lkdsb.net/Schools/adult-cont.htm> for additional information.

THE ARTS

ALC 101 Integrated Arts

This course integrates two or more of the arts (dance, dramatic arts, music and/or visual arts) giving students the opportunity to produce and present 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.

AEA 401 Exploring and Creating the Arts

This course offers students the opportunity to explore connections between dance, drama, media arts, music and/or visual arts. Students will use the creative process individually and/or collaboratively to produce integrated art works that draw on various disciplines, and they will critically analyse art works and determine how interpreting these works affects their own development. Students will develop responsible practices that are transferable beyond the classroom. They will explore solutions to integrated arts challenges and discover that art is everywhere, influencing and reflecting society.

PREREQUISITE: Any Grade 9 or 10 course in the Arts.

Note:

- At SCITS the focus will be on graphic arts.
- At St. Clair S.S. the focus will be on painting and drawing.
- At AMSS and WDSS the focus will be on Visual Arts.

ARTS - DANCE

ATC 101 Dance

This course gives students the opportunity to explore their technical and compositional skills by applying the elements of dance and the tools of composition in a variety of performance situations. Students will generate movement through structured and unstructured improvisation, demonstrate an understanding of safe practices with regard to themselves and others in the dance environment, and identify the function and significance of dance within the global community.

ATC 201 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 situation. 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.

ATC 3M1 Dance

This course emphasizes the development of students' artistry, improvisational and compositional skills and technical proficiency in global dance genres. Students will apply dance elements, techniques and tools in a variety of ways, including performance situations; describe and model responsible practices related to the dance environment; and reflect on how the study of dance affects personal and artistic development.

PREREQUISITE: ATC 101 or ATC 201

ATC 4M1 Dance

This course emphasizes the development of students' technical proficiency, fluency in the language of movement in global dance genres and understanding of the dance sciences. 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.

PREREQUISITE: ATC 3M1

ARTS - DRAMA

ADA 101 Drama

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.

ADA 201 Drama

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.

ADA 3M1 Drama

This course requires students to create and perform in dramatic presentations. Students will analyse, interpret and perform dramatic works from various cultures and time periods. Students will research various acting styles and conventions that could be used in their presentations, and analyse the functions of playwrights, directors, actors, designers, technicians and audiences.

PREREQUISITE: ADA 101 or ADA 201

ADA 3MZ Drama (Immersion)

The language of instruction for this course is French. The objectives, content, teaching strategies and evaluation are identical to those of the regular Grade 11 Drama course taught in English. For a description, refer to ADA 3M1.

ADA 3O1 Drama

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

ADA 4E1 Drama

This course requires students to create and present a variety of dramatic works relevant to the workplace. Students will develop character both through hands-on experience and project-based learning to build trust and collaborative skills and develop self-confidence. Students will also explore skills related to the study of drama that can be applied in the workplace.

PREREQUISITE: ADA 3M1 or ADA 3O1

ADA 4M1 Drama

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 text and media sources while learning about various theories of directing and acting. Students will examine the significance of dramatic arts in various cultures, and will analyse how the knowledge and skills developed in drama are related to their personal skills, social awareness and goals beyond secondary school.

PREREQUISITE: ADA 3M1

ARTS - MEDIA ARTS

ASM 2O1 Media Arts

This course enables students to create media art works by exploring new media, emerging technologies such as digital animation, and a variety of traditional art forms, such as film, photography, video and visual arts. Students will acquire communications skills that are transferable beyond the media arts classroom and develop an understanding of responsible practices related to the creative process. Students will develop the skills necessary to create and interpret media art works.

ASM 3O1 Media Arts

This course enables students to create media art works using available emerging technologies such as computer animation, digital imaging, video and a variety of media. Students will explore the elements and principles of media arts, the connections between contemporary

media art works and traditional art forms, and the importance of using responsible practices when engaged in the creative process. Students will develop the skills necessary to create and interpret media art works.

ASM 4E1 Media Arts

This course focuses on a practical approach to a variety of media arts challenges specific to the interests of the student and provides students with opportunities to examine media arts in relationship to the world of work. Students will develop works that express their views on contemporary issues and will create portfolios suitable for use in post-secondary work experiences. Students will critically analyse the role of media artists in shaping audience perceptions of identity, culture and community values, particularly within the context of the workplace.

PREREQUISITE: ASM 3O1

ASM 4M1 Media Arts

This course emphasizes the refinement of media arts skills through the creation of a thematic body of work by applying traditional and emerging technologies, tools and techniques such as multimedia, computer animation, installation art and performance art. Students will develop works that express their views on contemporary issues and will create portfolios suitable for use in either career or post-secondary education applications. Students will critically analyse the role of media arts in shaping audience perceptions of identity, culture and community values.

PREREQUISITE: ASM 3M1

ARTS - MUSIC

AMU 1O1 Music

This course emphasizes the creation and performance of music at a level consistent with previous experience and is aimed at developing technique, sensitivity, and imagination. 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 an understanding of the conventions and elements of music and of safe practices related to music, and will develop a variety of skills transferable to other areas of their life.

Note: The following courses have the same expectations as AMU 1O1 but within a specific program area of focus:

i) AMI 1O1 Instrumental Music - Band

The focus of this course is an introduction to instrumental music (woodwind, brass or percussion instruments). Emphasis is primarily on playing, development of sound, and performance with a junior band.

ii) AMK 1O1 Keyboard Music

The focus of this course is to learn to play the electronic keyboard through a keyboard teaching lab.

iii) AMV 1O1 Music - Vocal/Choral

The focus of this course is vocal music skills which include sight-reading and vocal techniques.

AMU 201 Music

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

Note: The following courses have the same expectations as AMU 201 but within a specific program area of focus:

i) AMG 201 Guitar Music

The focus of this course is on guitar playing, analysis, and appreciation of this instrument.

ii) AMI 201 Instrumental Music – Band

The focus of this course is instrumental music with an emphasis on playing, development of sound and performance with a band.

iii) AMK 201 Keyboard Music

The focus of this course is more advanced techniques than in AMK 101.

iv) AMV 201 Music - Vocal/Choral

The focus of this course is choral music based on a chosen repertoire.

AMU 3M1 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.

PREREQUISITE: Any Grade 9 or 10 Music credit

Note: The following courses have the same expectations as AMU 3M1 but within a specific program area of focus:

i) AMG 3M1 Guitar Music

This is a guitar course which emphasizes the appreciation, analysis and performance of various kinds of music.

ii) AMH 3M1 Stage - Band Music

The focus of this course is on practical application and an appreciation for stage band/big band repertoire. Admission is by audition and permission of the music program leader.

iii) AMI 3M1 Instrumental Music - Band

This is an instrumental band course which emphasizes the appreciation, analysis, and performance of various kinds of music.

iv) AMK 3M1 Keyboard Music

The focus of this course is the development of an ability to harmonize and create music.

v) AMV 3M1 Music - Vocal/Choral

The focus of this course is vocal/choral music.

AMU 301 Music

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

PREREQUISITE: Any Grade 9 or 10 Music credit

Note: The following course has the same expectations in AMU 301 but within a specific program area of focus:

i)AMG 301 Guitar Music

This is a guitar course which emphasizes the appreciation, analysis, and performance of music.

ii) AMI 301 Instrumental Music - Band

This is an instrumental band course which focuses on performance based on chosen repertoire.

AMU 4M1 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.

PREREQUISITE: AMI 3M1

Note: The following courses have the same expectations as AMU 4M1 but within a specific program area of focus:

i) AMG 4M1 Guitar Music

This is a guitar course which emphasizes the appreciation, analysis and performance of various kinds of music.

ii) AMH 4M1 Stage - Band Music

The focus of this course is development of improvisational skills and familiarization with standard stage band/big band repertoire.

iii) AMI 4M1 Instrumental Music - Band

The focus of this course is instrumental band.

iv) AMK 4M1 Keyboard Music

The focus of this course is the electronic keyboard.

v) AMV 4M1 Music - Vocal/Choral

The focus of this course is vocal and choral music.

ARTS - VISUAL ARTS

AVI 101 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.

AVI 201 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.

Note: The following course has the same expectations as AVI 201 but within a specific program area of focus:

i) AWA 201 Visual Arts - Crafts

The focus of this course is a variety of materials, which may include stained glass, clay, wood and/or textiles.

AVI 3M1 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 emergent 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 artform (e.g. photography, video, computer graphics, information design).

PREREQUISITE: Any Grade 9 or 10 Visual Arts credit

AVI 301 Visual Arts

This course focuses on studio activities in the visual arts, such as drawing, painting, sculpture, photography, printmaking, collage and/or multimedia art. Students will use the creative process to create art works that reflect a wide range of subjects and will evaluate works using the critical analysis process. Students will also explore works of art within a personal, contemporary, historical and cultural context.

Note: The following courses have the same expectations as AVI 301 but within a specific program area of focus:

i) AWC 301 Visual Arts - Ceramics

The focus of this course is on the making of functional and non-functional art works in clay.

ii) AWD 301 Visual Arts - Visual Design

The focus of this course is on imaginative problem solving, to develop technical skills through a variety of two and three dimensional media.

iii) AWM 301 Visual Arts - Drawing and Painting

This course focuses on studio activities in drawing and painting.

AVI 4E1 Visual Arts

This course focuses on a practical approach to a variety of art and design projects related to the workplace. Students will use the creative process to produce a traditional and/or digital portfolio of their work in a variety of media. Students may focus on various aspects of visual arts, including advertising, ceramics, fashion design, graphic arts, jewellery design, and/or web design.

AVI 4M1 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.

PREREQUISITE: AVI 3M1

BUSINESS STUDIES

BTT 101 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.

BBI 201 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 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.

BAF 3M1 Financial Accounting Fundamentals

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

merchandising business, computerized accounting, financial analysis, and current issues and ethics in accounting.

BAI 3E1 Accounting Essentials

This course introduces students to the accounting cycle of a service business. Students will use computer application software to record business transactions and to prepare financial statements. Students will also investigate banking and cash management, decision making, ethical behaviour, and career opportunities in the field of accounting.

BDI 3C1 Entrepreneurship: The Venture

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

BDP 3O1 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.

BMI 3C1 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.

BMX 3E1 Marketing: Retail and Service

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.

BTA 3O1 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 post-secondary studies.

BAN 4E1 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 the merchandising business. Students will use computer application 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, and budgeting.

PREREQUISITE: BAI 3E1

BAT 4M1 Financial Accounting Principles

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.

PREREQUISITE: BAF 3M1

BBB 4M1 International Business Fundamentals

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 post-secondary programs in business, including international business, marketing, and management.

BDV 4C1 Entrepreneurship: Venture Planning in an Electronic Age

This course provides students with the opportunity to develop and apply entrepreneurial skills through the creation of a venture plan that capitalizes on the potential of e-commerce. Students will research and identify an opportunity for a venture. They will then complete the components of a venture plan that includes a website.

BOG 4E1 Business Leadership: Becoming a Manager

This course helps students prepare for managerial positions in their future careers. Students will focus on the development of core skills required to become a successful manager, including operations management,

inventory control, marketing, financial planning, scheduling, and communication. Students will also explore the management challenges of hiring, training, and motivating employees, and complying with legal requirements.

BOH 4M1 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.

BTX 4C1 Information and Communication Technology: Multimedia Solutions

This course provides students with the opportunity to apply their information and communication technology skills while working in a team environment. Through a project-based approach, students will have opportunities to integrate common business software applications and apply multimedia techniques. Students will further develop their understanding of electronic business and e-commerce environments. The skills acquired in this course will prepare students for success in post-secondary studies and in their future careers.

PREREQUISITE: BTA 3O1

BTX 4E1 Information and Communication Technology in the Workplace

This course provides students with the opportunity to further develop essential workplace skills in information and communication technology while working in a team environment. Using a project-based approach, students will focus on integrating software applications and applying multimedia software features. Students will expand their understanding of electronic business and e-commerce environments and workplace ethics. This course will prepare students for a successful transition from secondary school to the workplace.

PREREQUISITE: BTA 3O1

CANADIAN AND WORLD STUDIES

ECONOMICS

CIE 3M1 The Individual and the Economy

This course explores challenges facing the Canadian economy as well as the implications of various responses to these challenges. Students will explore the economic role of business, labour, and government, as well as their own role as individual consumers and contributors, and how all of these influence stability and variability in the Canadian economy. Students will apply the concepts of economic thinking and the economic inquiry process,

including economic models, to investigate the impact of economic decisions.

PREREQUISITE: CHC 2D1 or CHC 2P1

CIA 4U1 Analysing Current Economic Issues

This course examines current national and global economic trends and policies from diverse perspectives. Students will explore the impact of choices that individuals and institutions, including governments, make in responding to local, national, and global economic issues such as globalization and global economic inequalities, trade agreements, national debt, taxation, social spending, and consumer debt. Students will apply the concepts of economic thinking and the economic inquiry process, including economic models, to investigate, and develop informed opinions about, current economic issues and to help them make reasoned economic decisions.

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

GEOGRAPHY

CGC 1D1 Issues in Canadian Geography

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

CGC 1DZ Issues in Canadian Geography (Immersion)

The language of instruction for this course is French. The objectives, content, teaching strategies and evaluation are identical to those of the regular Grade 9 Geography course taught in English. For a descriptor, refer to CGC 1D1.

CGC 1P1 Issues in Canadian Geography

This course focuses on current geographic issues that affect Canadians. Students will draw on their personal and everyday experiences as they explore a range of issues, including food and water supplies, competing land uses, and interactions with the natural environment, developing their awareness that issues that affect their lives are interconnected with issues in other parts of the world. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate choices related to sustainable living in Canada.

CGF 3M1 Forces of Nature: Physical Processes and Disasters

This course examines Earth's physical patterns and processes and how they create natural disasters and can contribute to human disasters. Students will explore how physical processes related to Earth's water, land, and air, as well as interactions between these systems, can affect the planet and its people. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate Earth's natural processes, to make predictions related to natural disasters, and to create plans to prepare for and/or respond to them.

PREREQUISITE: CGC 1D1 or CGC 1P1

CGG 3O1 Travel and Tourism: A Geographic Perspective

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

PREREQUISITE: CGC 1D1 or CGC 1P1

CGO 4M1 Spatial Technologies in Action

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

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

CGR 4E1 Living in a Sustainable World

This course examines the impact of human activity on the natural environment. Students will explore the use of natural spaces and resources and how planning decisions and consumer choices affect natural systems. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate practical solutions to environmental issues, enabling them to make more sustainable decisions at home and in the workplace.

PREREQUISITE: CGC 1D1 or CGC 1P1

CGR 4M1 The Environment and Resource Management

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

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

CGU 4M1 World Geography: Urban Patterns and Population Issues

This course explores global population distribution, why people live where they do, and variations in their quality of life. Students will examine current population patterns and trends related to urbanization and their impact on human and natural systems. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate issues related to urban life and will propose courses of action aimed at enhancing the sustainability of cities around the world.

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

CGW 4C1 World Issues: A Geographic Analysis

This course explores the global challenge of meeting the basic needs of all people while sustaining the natural environment. Students will examine global inequities, including those related to food, water, energy, and development, and will explore global issues through environmental, social, economic, and political lenses. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate a range of current geographic issues facing Canada and the world.

PREREQUISITE: CGC 1D1 or CGC 1P1

CGW 4U1 World Issues: A Geographic Analysis

This course looks at the global challenge of creating a more sustainable and equitable world. Students will explore a range of issues involving environmental, economic, social, and geopolitical interrelationships, and will examine governmental policies related to these issues. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate these complex issues, including their impact on natural and human communities around the world.

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

HISTORY

CHC 2D1 Canadian History since World War I

This course explores social, economic, and political developments and events and their impact on the lives of different groups in Canada since 1914. Students will examine the role of conflict and cooperation in Canadian society, Canada's evolving role within the global community, and the impact of various individuals, organizations, and events on Canadian identity, citizenship, and heritage. They will develop their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating key issues and events in Canadian history since 1914.

CHC 2DZ Canadian History since World War I (Immersion)

The language of instruction for this course is French. The objectives, content, teaching strategies and evaluation are identical to those of the regular Grade 10 History course taught in English. For a descriptor, refer to CHC 2D1.

CHC 2P1 Canadian History since World War I

This course focuses on the social context of historical developments and events and how they have affected the lives of people in Canada since 1914. Students will explore interactions between various communities in Canada as well as contributions of individuals and groups to Canadian heritage and identity. Students will develop their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating the continuing relevance of historical developments and how they have helped shape communities in present-day Canada.

CHA 3U1 American History

This course traces the social, economic, and political development of the United States from colonial times to the present. Students will explore the historical context of key developments that shaped the United States, its identity and culture, and its role in the global community. They will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating forces in American history. PREREQUISITE: CHC 2D1 or CHC 2P1

CHT 3O1 History since 1900: Global and Regional Interactions

This course focuses on major developments in world history from 1900 to the present. Students will explore the causes and consequences of global and regional conflicts as well as responses to social, economic, and political

developments in various countries and regions. Students will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating historical developments and events, including those that continue to affect people in various parts of the world.

PREREQUISITE: CHC 2D1 or CHC 2P1

CHW 3M1 World History to the End of the 15th 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 conclusions.

PREREQUISITE: CHC 2D1 or CHC 2P1

CHI 4U1 Canada: History, Identity, and Culture

This course traces the history of Canada, with a focus on the evolution of our national identity and culture. Students will explore various developments and events, both national and international, from precontact to the present, and will examine various communities in Canada and how they have contributed to the development of Canadian identity and heritage. Students will develop their sense of Canada's national identity and how and why it has changed throughout the country's history. They will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, as they investigate the people, events, and forces that have shaped Canada.

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

CHM 4E1 Adventures in World History

This course examines significant developments and events in world history from earliest times to the present. Students will explore social, economic, and political forces in different times and places, and how technology, art, and religion have helped shape people's lives and identities. Students will apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating a variety of human experiences in world history.

PREREQUISITE: CHC 2D1 or CHC 2P1

CHY 4C1 World History since the Fifteenth Century

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

interpretation and analysis of evidence, when investigating key turning points in world history and historical forces that have shaped our world.

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

CHY 4U1 World History since the Fifteenth Century

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

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

LAW

CLU 3E1 Understanding Canadian Law in Everyday Life

This course enables students to develop a practical understanding of laws that affect the everyday lives of people in Canada, including their own lives. Students will gain an understanding of the need for laws, and of their rights, freedoms, and responsibilities under Canadian law. Topics include laws relating to marriage, the workplace, cyberbullying, and the processing of criminal offences. Students will apply the concepts of legal thinking and the legal inquiry process, and will begin to develop legal reasoning skills and an understanding of Canadian law. PREREQUISITE: CHC 2D1 or CHC 2P1

CLU 3M1 Understanding Canadian Law

This course explores Canadian law, with a focus on legal issues that are relevant to the lives of people in Canada. Students will gain an understanding of rights and freedoms in Canada, our legal system, and family, contract, employment, tort, and criminal law. Students will use case studies and apply the concepts of legal thinking and the legal inquiry process to develop legal reasoning skills and to formulate and communicate informed interpretations of legal issues, and they will develop the ability to advocate for new laws.

PREREQUISITE: CHC 2D1 or CHC 2P1

CLN 4C1 Legal Studies

This course provides a foundation for students who wish to pursue a career that requires an understanding of law. Students will explore the importance of law, analysing contemporary legal issues and their impact. They will investigate requirements for various law-related careers

as well as legal responsibilities in the workplace. Students will apply the concepts of legal thinking and the legal inquiry process to investigate the role of law in a changing society and will develop conflict-resolution skills needed for negotiation.

PREREQUISITE: CHV 2O5

CLN 4U1 Canadian and International Law

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

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

POLITICS

CHV 2O5 Civics and Citizenship

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

CHV 2OZ Civics and Citizenship (Immersion)

The language of instruction for this course is French. The objectives, content, teaching strategies and evaluation are identical to those of the regular Grade 10 Civics course taught in English. For a description, refer to CHV 2O5.

CPW 4U1 Canadian and World Politics

This course explores various perspectives on issues in Canadian and world politics. Students will explore political decision-making and ways in which individuals, stakeholder groups, and various institutions, including different levels of government, multinational corporations, and non-governmental organizations, respond to and work to influence domestic and international developments. Students will apply the concepts of political thinking and the political inquiry process to investigate current political policies, issues, and events, and to develop and

communicate informed opinions about them.
PREREQUISITE: Any university or university/college course in Canadian and World Studies, English, or Social Science and Humanities.

CLASSICAL STUDIES AND INTERNATIONAL LANGUAGES

Level 1/Level 2 International Languages

This course is designed to enable students to begin to communicate with people using the language of study. Students will use simple language and read age appropriate passages for various purposes. They will explore aspects of the culture of countries where the language of study is spoken, including social customs and the arts, by participating in cultural events and activities involving both print and technological resources.

Note: The following courses meet the same expectations as outlined in Level 1 and Level 2 International Languages, but within a specific program area of focus.

i) LVL AD1 Greek and Latin

This course introduces students to the achievements of the Classical world through the study of Latin or Ancient Greek. Students will learn vocabulary and grammar essential for reading and translating adapted Classical texts. Although English is the language of instruction, students will develop language skills that will enable them to speak and read aloud in the Classical language at a beginner's level. Through a variety of activities, students will explore such aspects of life in the ancient world as trade, commerce, education, entertainment, and social customs. In addition, students will enhance their literacy skills through language study, and will make connections across the curriculum between the Classical world and the world around them.

ii) LWS BD1 Spanish

This is an entry level Spanish program.

Level 3 International Languages

This course offers students opportunities to further develop their knowledge of the international language and to enhance their communication skills. 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 countries where the language is spoken through a variety of print and technological resources.

Note: The following course has the same expectations as outlined in Level 3 International Languages, but within a specific program area of focus.

i) LWS CU1 Spanish

This is the Grade 11 Spanish course.
PREREQUISITE: LWS BD1

Level 4 International Languages

This course prepares students for university studies in the international language. Students will enhance their ability to use the language with clarity and precision, and will develop the language skills needed to engage in sustained conversations and discussions, understand and evaluate information, read diverse materials for both study and pleasure, and write clearly and effectively. Note: Students will also have opportunities to add to their knowledge of the culture of countries where the language is spoken through the use of community resources and computer technology.
Note: The following course has the same expectations as in Level 4 International Languages but within a specific program area of focus.

i) LWS DU1 Spanish

This is the Grade 12 Spanish course.

PREREQUISITE: LWS CU1

COMPUTER STUDIES

ICS 201 Introduction to Computer Studies

This course introduces students to computer programming. Students will plan and write simple computer programs by applying fundamental programming concepts, and learn to create clear and maintainable internal documentation. They will also learn to manage a computer by studying hardware configurations, software selection, operating system functions, networking, and safe computing practices. Students will also investigate the social impact of computer technologies, and develop an understanding of environmental and ethical issues related to the use of computers.

ICS 3C1 Introduction to Computer Programming

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 post-secondary opportunities in computer-related fields.

ICS 3U1 Introduction to Computer Science

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.

ICS 4C1 Computer Programming

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.

PREREQUISITE: ICS 3C1

ICS 4U1 Computer Science

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.

PREREQUISITE: ICS 3U1

ENGLISH

ENG 1D1 English

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 literacy 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.

ENG 1L1 English (Locally Developed)

This course provides foundational literacy and communication skills to prepare students for success in their daily lives, in the workplace, and in the Grade 10 locally developed course. The course is organized into strands that develop listening and talking skills, reading and viewing skills, and writing skills. In all strands, the focus is developing foundational literacy skills, and using language clearly and accurately in a variety of authentic contexts. Students develop strategies; put into practice the processes involved in talking, listening, reading, viewing, writing, and thinking; and reflect regularly upon their growth in these areas.

ENG 1P1 English

This course is designed to develop the oral communication, reading, writing, and media literacy skills

that students need for success in secondary school and in 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.

ENG 2D1 English

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

PREREQUISITE: ENG 1D1 or ENG 1P1

ENG 2L1 English (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; or in the English: Contemporary Aboriginal Voices, Grade 11 Workplace Preparation course. The course is organized into 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 on using language clearly and accurately in a variety of authentic contexts. Students will build on their strategies and engage in the processes involved in talking, listening, reading, viewing, writing, and thinking; and reflect regularly upon their growth in these areas.

PREREQUISITE: ENG 1D1, ENG 1L1 or ENG 1P1

ENG 2P1 English

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

PREREQUISITE: ENG 1D1 or ENG 1P1

EMS 3O1 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.

PREREQUISITE: ENG 2D1 or ENG 2P1

ENG 3C1 English

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 texts 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 and preparation course.

PREREQUISITE: ENG 2D1 or ENG 2P1

ENG 3E1 English

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

Students will study the content, form, and style of a variety of contemporary informational, graphic, and literary texts; and create oral, written and media texts in a variety of forms for practical purposes. An important focus will be on using language clearly and accurately in a variety of formal and informal contexts. The course is intended to prepare students for the compulsory Grade 12 workplace preparation course.

PREREQUISITE: ENG 2L1 or ENG 2P1

ENG 3ED English – Agricultural Focus

This course emphasizes the development of literacy, critical thinking, and communication skills. Students will study the content, form and style of informational texts and literary works; write explanations, letters, and reports; and investigate the connections among media forms, audiences, and media industry practices. An important focus will be using language clearly, accurately, and effectively in an agricultural application.

PREREQUISITE: ENG 2P1

ENG 3U1 English

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. This course is intended to prepare students for the compulsory Grade 12 university or college preparation course.

PREREQUISITE: ENG 2D1

EBT 4O1 Communication in the World of Business and Technology

This course emphasizes practical writing and communication skills that are needed in the world of business and technology. Students will analyse the characteristics of effective models of business and technical communications; gather information to write reports, business letters, memos, manuals, instructions, and brochures; and integrate graphics and text, using technology appropriately for formatting and special effects. They will also make a number of oral and visual presentations.

PREREQUISITE: ENG 3C1, ENG 3E1 or ENG 3U1

ENG 4C1 English

This course emphasizes consolidation of literacy, 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. This course is intended to prepare students for college or the workplace.

PREREQUISITE: ENG 3C1 or ENG 3U1

ENG 4E1 English

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. This course is intended to prepare students for the workplace and active citizenship.

PREREQUISITE: ENG 3E1

ENG 4U1 English

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

PREREQUISITE: ENG 3U1

EWC 4C1 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 writing careers.

PREREQUISITE: ENG 3C1

EWC 4U1 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 ways to improve the quality of their writing. They will also complete a major paper as a part of a creative or analytical independent study project, and investigate opportunities for publication and writing careers.

PREREQUISITE: ENG 3U1

OLC 4O1 Ontario Secondary School Literacy Course

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

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

ENGLISH AS A SECOND LANGUAGE

ELD AO1 Level One

This course is intended for English language learners who have had limited access to schooling and thus have significant gaps in their first-language literacy skills. Students will use basic listening and speaking skills to communicate in English for everyday purposes: develop readiness skills for reading and writing; begin to read highly structured texts for everyday and school-related purposes; and use basic English language structures and sentence patterns in speaking and writing. The course will also help students become familiar with school routines and begin to adapt to their new lives in Canada.

ELD BO1 Level Two

This course is intended for English language learners who have had limited access to schooling and thus have gaps in their first-language literacy skills. Students will use their

developing listening and speaking skills to communicate in English for a variety of purposes; develop reading strategies to understand a variety of simple texts; produce simple forms of writing; apply increasing knowledge of English grammatical structures in speaking and writing; expand their vocabulary; and develop fundamental study skills. The course will also provide opportunities for students to become familiar with and use school and community resources and to build their knowledge of Canada.

PREREQUISITE: ELD AO1 or equivalent

ELD CO1 Level Three

This course builds on students' growing literacy and language skills and extends their ability to communicate in English about familiar and school-related topics. Students will make brief oral presentations; improve their literacy skills through a variety of contextualized and supported reading and writing tasks; distinguish between fact and opinion in short written and oral texts; complete short guided-research projects; and engage in a variety of cooperative learning activities. The course will also enable students to strengthen and extend their study skills and personal-management strategies and to broaden their understanding of Canadian diversity and citizenship.

PREREQUISITE: ELD BO1 or equivalent

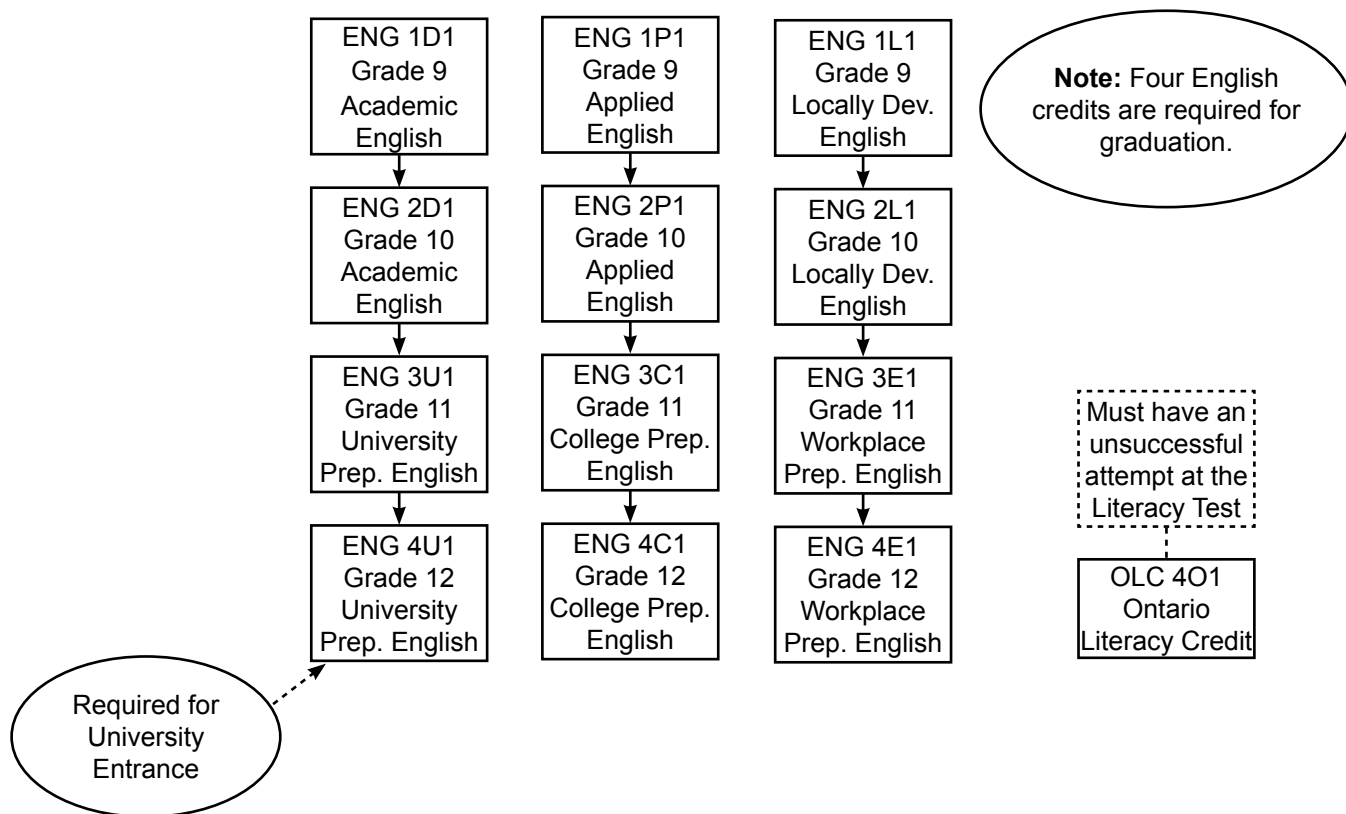
ELD DO1 Level Four

This course builds on students' growing literacy and language skills and extends their ability to communicate in English about familiar and school-related topics. Students will make brief oral presentations; improve their literacy skills through a variety of contextualized and supported reading and writing tasks; distinguish between fact and opinion in short written and oral texts; complete short guided-research projects; and engage in a variety of cooperative learning activities. The course will also enable students to strengthen and extend their study skills and personal-management strategies and to broaden their understanding of Canadian diversity and citizenship.

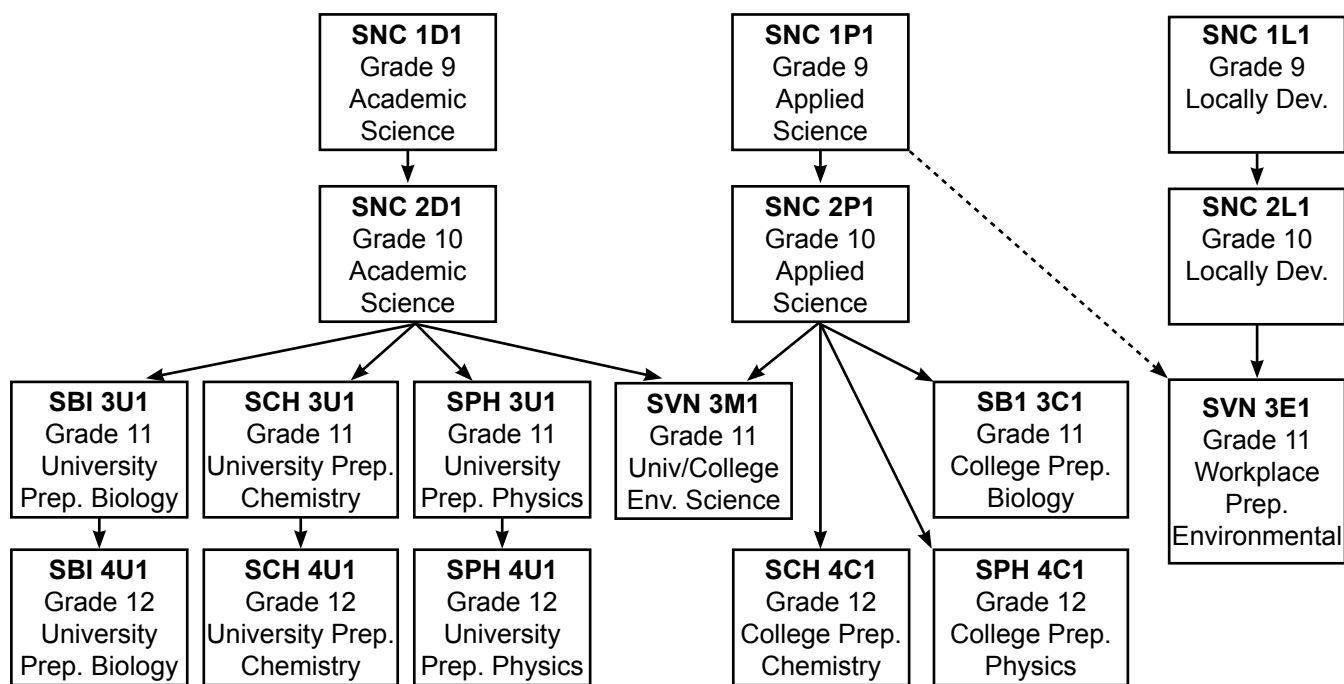
PREREQUISITE: ELD CO1 or equivalent

(continued on page 28)

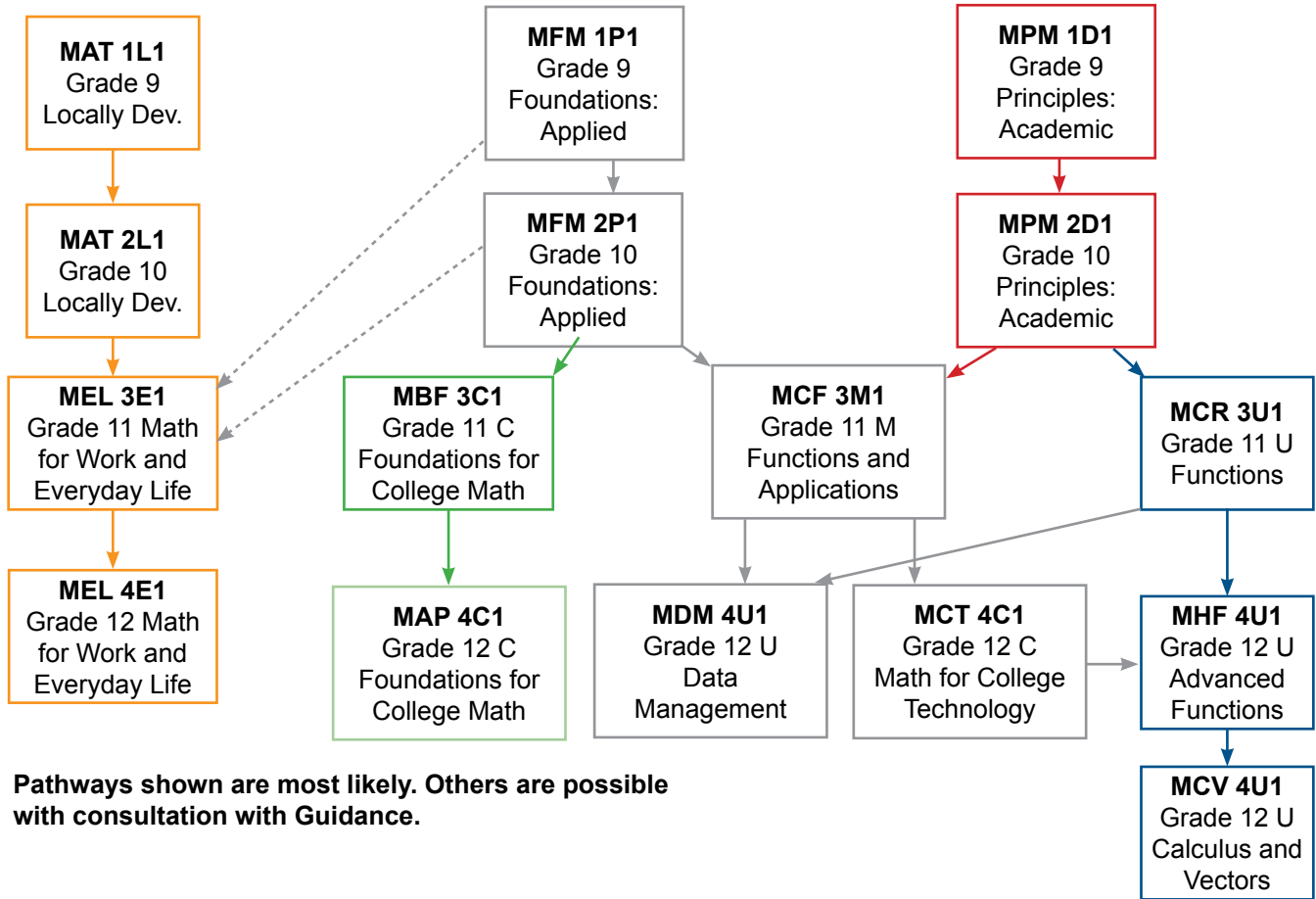
English Course Flowchart



Science Course Flowchart



Mathematics Course Flowchart



Pathways shown are most likely. Others are possible with consultation with Guidance.

Note:
Three math credits are required for graduation, at least one credit in Grade 11 or 12.

Alexander Mackenzie Secondary School

1257 Michigan Avenue,
Sarnia, Ontario N7S 3Y3
Phone: 519-542-5505 Fax: 519-542-5294
amss.lkdsb.net



Alexander Mackenzie Secondary School provides students with an education that blends academic and technological studies which can lead to apprenticeships, post-secondary education or the world of work.

This is accomplished by:

- Utilizing skill based technologies
- Providing specialized programs to meet individual student needs and capabilities
- Providing opportunities to promote social, academic and life skills
- Promoting active communication among school, parents and community

Special Features

- Cooperative Education
- OYAP (Ontario Youth Apprenticeship Program)
- Technology courses and programs:
 - Construction
 - Communication Technologies
 - Green Industries (Horticulture)
 - Hospitality and Tourism
 - Manufacturing - Machining and Welding
 - Masonry
 - Personal Services - Personal Support Worker, Hairstyling and Aesthetics (Salon Services)
- Transportation - Auto Body, Auto Mechanics

- Business Studies
- Ojibwe
- Physical Education - Western Ontario Athletic Association and Intramural Activities
- School Wellness Team
- Visual Arts

A Dual Credit Program is available where eligible Gr. 12 students may study college level courses while earning secondary school credits at the same time. See Student Services for eligibility criteria and other details.

Specialist High Skills Major Programs are offered in the following sector:

- Construction
- Health and Wellness
- Horticulture and Landscaping
- Hospitality and Tourism
- Manufacturing - Welding

Certification Programs

- Welding - CWB Certification
- Personal Support Worker (PSW) Accreditation

See Student Services for details.

Principal: Laura Smith-McKelvie
Vice Principal: Gregory Nemcek
Student Services: Liz Townsend
Founding Year: 1969 Population: 500
Colours: Blue and Yellow
Team Name: Mustangs

**Cooperative Education and
Interdisciplinary Studies**
Courses may be offered in Gr. 11 & 12.
See Student Services for details.

SUBJECT	GRADE 9		GRADE 10		GRADE 11		GRADE 12	
Arts (pg. 11-14) Drama Visual Arts	AVI 101	Visual Arts	AVI 201 AWA 201	Visual Arts Visual Arts - Crafts	ASM 301 AVI 301 AWC 301	Media Arts Visual Arts Ceramics	AEA 401 ASM 4E1	Exploring the Arts Media Arts
Business Studies (pg. 14-16)			BBI 201	Introduction to Business	BAI 3E1 BMX 3E1 BTA 3O1	Accounting Essentials Marketing : Retail & Service Information and Communication Technology: The Digital Environment	BTX 4C1 BTX 4E1	Information & Communication Technology: Multimedia Solutions Information & Communication Technology in the Workplace
Canadian & World Studies (pg. 16-19) Geography History Law Politics	CGC 1P1	Issues in Canadian Geography	CHC 2P1 CHV 2O5	Canadian History Since WWI Civics and Citizenship	CGG 3O1 CLU 3E1	Travel & Tourism: A Geographic Perspective Understanding Canadian Law in Everyday Life	CHM 4E1	Adventures in World History
English (pg. 20-26)	ENG 1L1 ENG 1P1	English (Locally Developed) English	ENG 2L1 ENG 2P1	English (Locally Developed) English	ENG 3C1 ENG 3E1 EMS 3O1 OLC 3O1	English, College English, Workplace Media Studies Literacy	ENG 4C1 ENG 4E1 OLC 4O1	English, College English, Workplace Literacy
Guidance and Career Ed. (pg. 28)	GLS 1O1 GLE 1O1	Learning Strategies Learning Strategies	GLC 2O5	Career Studies	GPP 3O1	Leadership & Peer Support		
Health and Physical Ed. (pg. 29-30)	PPL 1OW PPL 1OY	Healthy Active Living-Girls Healthy Active Living-Boys	PAF 201 PAF 2OW PPL 2OW PPL 2OY	Fitness Fitness - Girls Healthy Active Living-Girls Healthy Active Living-Boys	PAF 3O1 PAF 3OW PPL 3OW PPL 3OY PPZ 3O1	Fitness Fitness - Girls Healthy Active Living-Girls Healthy Active Living-Boys Health for Life	PAI 4O1 PAF 4O1 PAF 4OW PPL 4OW PPL 4OY	Ind. & Small Gr Act. P.E.O.P.E.L. Fitness Fitness - Girls Healthy Active Living - Girls Healthy Active Living - Boys
Mathematics (pg. 30-32)	MAT 1L1 MFM 1P1	Mathematics (Locally Developed) Foundations of Mathematics	MAT 2L1 MFM 2P1	Mathematics (Locally Developed) Foundations of Mathematics	MBF 3C1 MEL 3E1	Foundations for College Mathematics Mathematics for Work & Everyday Life	MAP 4C1 MEL 4E1	College & Apprenticeship Math Mathematics for Work & Everyday Life
NATIVE LANGUAGES (pg. 33-34)	LNO B01	Ojibwe	LNO C01	Ojibwe	LNO D01	Ojibwe	LNO E01	Ojibwe
Native Studies (pg. 33-34)					NBV 3C1	Aboriginal Beliefs		
Science (pg. 34-36)	SNC 1L1 SNC 1P1	Science (Locally Developed) Science	SNC 2P1 SNC 2L1	Science Science (Locally Developed)	SBI 3C1 SVN 3E1	Biology Environmental Science	SCH 4C1 SPH 4C1	Chemistry Physics
Social Science & Humanities (pg. 36-39)			HIF 2O1 HNL 2O1	Exploring Family Studies Clothing	HNC 3C1 HPC 3O1 HPW 3C1	Understanding Fashion Raising Healthy Children Working with Infants & Young Children	HPD 4C1	Working with School Aged Children and Adolescents
Technological Education (pg. 39-46)	TDJ 1O1 TIJ 1O1	Technological Design Exploring Technologies	TCJ 201 TCJ 2OA TFJ 201 TGJ 201 THJ 201 TMJ 2OA TMJ 2OB TPJ 201 TTJ 201 TTJ 2OA TXJ 201	Construction Tech. Construction Tech. - Masonry Hospitality and Tourism Tech. Communications Tech. Green Industries Mfg - Machining Mfg - Welding Health Care Transportation Transportation - Auto Body Hairstyling and Aesthetics	TCJ 3C1 TCJ 3E1 TCM 3E1 TFJ 3C1 TFJ 3E1 TFC 3E1 TGJ 3O1 THJ 3E1 TMJ 3C1 TMJ 3E1 TMW 3E1 TPJ 3C1 TTJ 3O1 TTB 3C1 TWJ 3E1 TXJ 3E1 TXH 3E1	Const. Tech. Const. Tech. Const. Tech.: Masonry Hospitality & Tourism Hospitality & Tourism Hospitality & Tourism: Cooking Communications Technology Green Industries Mfg. Tech. Mfg. Tech. Mfg. Tech. Mfg. Tech.: Welding Manufacturing Technology: Welding Health Care Trans. Tech. Vehicle Ownership Transportation Technology Auto Body Custom Woodworking Hairstyling & Aesthetics Hairstyling & Aesthetics: Hairstyling	TCJ 4C1 TCM 4E1 TFJ 4E1 TFC 4E1 TGJ 4O1 THJ 4E1 TMJ 4C1 TMJ 4E1 TMJ 4E2 TMW 4E2 TOJ 4C1 TPJ 4C1 TTB 4C1 TTJ 4E1 TWJ 4E1 TXH 4E1 TXJ 4E1	Construction Technology Const. Tech.: Masonry Hospitality & Tourism Hospitality & Tourism: Cooking Communications Technology Green Industries Mfg. Tech. Mfg. Tech. Mfg. Tech. Mfg. Tech.: Welding Double Credit Child Dev. & Gerontology Health Care Trans. Tech: Auto Body Trans. Tech. Custom Woodworking Hairstyling & Aesthetics Hairstyling & Aesthetics

Blenheim District High School

163 Chatham Street,
Blenheim, Ontario N0P 1A0
Phone: 519-676-5485 Fax: 519-676-4919
bdhs.lkdsb.net

"Quality Education in a Community School"

Commitment

Attitude

Teamwork

Success



BDHS provides a friendly environment where students and staff respect each other and work together to create a quality educational experience. All students, teachers and administration are dedicated to active participation, positive expectations and building a caring and supportive community.

We are committed to providing the support and guidance needed to maximize every student's potential.

Our tradition-rich school community offers an increased opportunity for involvement on teams, clubs and student government. We promote a variety of enrichment and leadership opportunities.

A Dual Credit Program is available where eligible Gr. 12 students may study college level courses while earning secondary school credits at the same time.

Specialist High Skills Major Programs are offered in the following sectors:

- Health and Wellness
- Manufacturing

See Student Services for eligibility criteria and other details.

**Bobcats take pride
in their school -
a place to expand minds
and build character.**

Principal: Don Zondag
Vice Principal: Elsa Natvik
Student Services: Heather Jobin
Founding Year: 1924
Population: 350
Colours: Gold and Black
Team Name: Bobcats

**Cooperative Education and
Interdisciplinary Studies**
Courses may be offered in Gr. 11 & 12.
See Student Services for details.

SUBJECT	GRADE 9		GRADE 10		GRADE 11		GRADE 12	
ARTS (pg. 11-14) Drama Music Visual Arts	AMI 1O1 AVI 1O1	Instrumental Music/Band Visual Arts	ADA 2O1 AMI 2O1 AVI 2O1	Drama Instrumental Music - Band Visual Arts	ADA 3M1 AMI 3M1 AVI 3M1	Drama Instrumental Music - Band Visual Arts	ADA 4M1 AMI 4M1 AVI 4M1	Drama Instrumental Music - Band Visual Arts
BUSINESS STUDIES (pg. 14-16)	BTT 1O1	Information & Communication Technology in Business	BBI 2O1	Introduction to Business	BAF 3M1 BDI 3C1 BMI 3C1 BTA 3O1	Financial Accounting Fundamentals Entrepreneurship: The Venture Marketing: Goods, Services, Events Information & Communication Tech: The Digital Environment	BAT 4M1 BBB 4M1 BOH 4M1	Financial Accounting Principles International Business Fundamentals (2015-16) Business Leadership Management Fundamentals (2014-15)
CANADIAN & WORLD STUDIES (pg. 16-19) Geography History Law Politics	CGC 1D1 CGC 1P1	Issues in Canadian Geography Issues in Canadian Geography	CHC 2D1 CHC 2P1 CHV 2O5	Canadian History Since WWI Canadian History Since WWI Civics and Citizenship	CGG 3O1 CHW 3M1 CLU 3M1	Travel & Tourism: A Geographic Perspective World History to the End of the 15th Century Understanding Canadian Law	CGW 4C1 CGW 4U1 CHY 4U1 CLN 4C1 CLN 4U1 CPW 4U1	World Issues: A Geographic Analysis World Issues: A Geographic Analysis World History: Since the 15th Century (2015-16) Legal Studies Canadian & International Law World Politics (2014-15)
CLASSICAL STUDIES & INTERNATIONAL LANGUAGES			LWS BD1	Spanish				
ENGLISH (pg. 20-26)	ENG 1D1 ENG 1P1	English English	ENG 2D1 ENG 2P1	English English	ENG 3C1 ENG 3U1	English English	ENG 4C1 ENG 4U1	English English
FRENCH AS A SECOND LANGUAGE (pg. 27-28)	FSF 1D1 FSF 1P1	Core French Core French	FSF 2D1	Core French	FSF 3U1	Core French	FSF 4U1	Core French
GUIDANCE AND CAREER ED. (pg. 28)			GLC 2O5	Career Studies				
HEALTH AND PHYSICAL ED. (pg. 29-30) O	PPL 1OW PPL 1OY	Healthy Active Living-Girls Healthy Active Living-Boys	PPL 2OW PPL 2OY	Healthy Active Living-Girls Healthy Active Living-Boys	PAF 3O1 PPL 3O1	Personal and Fitness Activities (Coed) Healthy Active Living (Coed)	PAF 4O1 PAI 4O1 PLF 4C1 PPL 4O1 PSE 4U1	Personal & Fitness Activities Ind. & Small Gr Act. P.E.O.P.E.L Rec. & Fitness Leadership Healthy Active Living (Coed) Exercise Science
MATHEMATICS (pg. 30-32)	MAT 1L1 MFM 1P1 MPM 1D1	Mathematics (Loc. Dev.) Foundations of Mathematics Principles of Mathematics	MAT 2L1 MFM 2P1 MPM 2D1	Mathematics (Loc. Dev.) Foundations of Mathematics Principles of Mathematics	MBF 3C1 MCF 3M1 MCR 3U1 MEL 3E1	Foundations for College Math Functions and Applications Functions Mathematics for Work & Everyday Life	MAP 4C1 MCT 4C1 MCV 4U1 MDM 4U1 MEL 4E1 MHF 4U1	Foundations for College Math Math for College Tech. Calculus & Vectors Mathematics of Data Management Math for Work & Everyday Life Advanced Functions
NATIVE STUDIES (pg. 33-34)					NBV 3C1	Aboriginal Beliefs		
SCIENCE (pg. 34-36)	SNC 1D1 SNC 1P1	Science Science	SNC 2D1 SNC 2P1	Science Science	SBI 3C1 SBI 3U1 SCH 3U1 SPH 3U1	Biology Biology Chemistry Physics	SBI 4U1 SCH 4C1 SCH 4U1 SPH 4C1 SPH 4U1	Biology Chemistry Chemistry Physics Physics
SOCIAL SCIENCE & HUMANITIES (pg. 36-39)			HFN 2O1	Food and Nutrition	HNC 3C1 HPC 3O1 HSE 3E1 HSP 3C1 HSP 3U1	Understanding Fashion (2013-14) Raising Healthy Children Equity, Diversity & Social Justice Intro to Anthropology, Psychology & Sociology Intro. to Anthropology, Psychology & Sociology	HIP 4O1 HNB 4M1 HSB 4U1	Personal Life Management The World of Fashion (2014-15) Challenge & Change in Society
TECHNOLOGICAL EDUCATION (pg. 39-46)	TIJ 1O1	Exploring Technologies	TCJ 2O1 TMJ 2O1 TTJ 2O1	Construction Technology Manufacturing Technology Transportation Technology	TCJ 3E1 TGJ 3M1 TGG 3M1 TMJ 3E2 TTJ 3C1	Construction Tech. Communications Tech. Communications Tech. Print and Graphic Com. (Yearbook) Manufacturing Transportation Tech.	TCJ 4E1 TGJ 4M1 TGG 4M1 TMJ 4E2 TTJ 4C1	Construction Tech. Communications Tech. Communications Tech. Print & Graphic Com. (Yearbook) Manufacturing Technology Transportation Technology
eLearning Courses					Consult with your Guidance Department for eLearning opportunities.			

Chatham Kent Secondary School

285 McNaughton Avenue East,
Chatham, Ontario N7L 2G7
Phone: 519-352-2870 Fax: 519-352-2908
<http://ckss.lkdsb.net>

Home of the Hawks

CKSS provides a safe learning environment in which students demonstrate mutual respect, appreciation/no put downs, attentive listening and have the right to participate. CKSS delivers over 160 different courses offered at the academic, applied, college, university/college, university and open levels.



Our Motto "Knowledge Through Experience" provides direction for apprenticeships in cooperative education, a comprehensive Art and Technology program, Computer Science, high tech Science labs, and French Immersion Program. Communication technology labs and wireless internet access are new additions to our school. The majority of classrooms have Smartboards.

A wide-ranging Enrichment Program is available for students seeking more challenging opportunities. Our students have achieved excellence in regional "Odyssey of the Mind" competitions.

Our Student Success program extends support to students through the Grade 8 to 9 Transition program, credit recovery classes, after school academic help sessions, examination preparation programs, and pathways/career development programs.

Learning Resource support is available for students who require individualized programming. Special class placements are also provided for students with Developmental Disabilities.

CKSS believes in developing well-rounded students.

The Golden Hawks have a long tradition of excellence in co-curricular programs. The athletic program features a complete slate of athletic teams. The "HAWKS" strive to achieve athletic excellence while maximizing student participation. A diverse Arts program includes an annual Musical, Sears Drama, Concert and Jazz Bands, Dance Team, Arts Council, Arts Club, Arts Fest, Improv Team, High Class Visual Art Entries and an Arts Banquet.

A professional, committed staff working with dedicated students in a caring culture - that's the golden spirit that continues to lift Hawks to success. We're proud of our "HAWKS".

A Dual Credit Program is available where eligible Gr. 12 students may study college level courses while earning secondary school credits at the same time. See Student Services for eligibility criteria and other details.

Specialist High Skills Major Programs are offered in the following sectors:

- Arts and Culture
- Construction
- Energy
- Health and Wellness
- Manufacturing
- Transportation

See Student Services for details.

Principal: Todd Haskell
Vice Principals: Murray Hunt, Mike McDonald
Student Services: Marlys McCallum
Founding Year: 1963 Population: 1100
Colours: Blue and Gold
Team Name: Golden Hawks

**Cooperative Education and
Interdisciplinary Studies**
Courses may be offered in Gr. 11 & 12.
See Student Services for details.

SUBJECT	GRADE 9		GRADE 10		GRADE 11		GRADE 12	
Arts (pg. 11-14) Drama Dance Music Visual Arts	ADA 1O1 AMI 1O1 ATC 1O1 AVI 1O1	Drama Instrumental Music - Band Dance Visual Arts	ADA 2O1 AMI 2O1 AMV 2O1 ATC 2O1 AVI 2O1	Drama Instrumental Music - Band Music Vocal/Choral Dance Visual Arts	ADA 3M1 AMG 3O1 AMI 3M1 AMV 3M1 ATC 3M1 AVI 3M1 AVI 3O1	Drama Guitar Music Instrumental Music - Band Music Vocal/Choral Dance Visual Arts Visual Arts	ADA 4M1 AEA 4O1 AMI 4M1 AMV 4M1 ATC 4M1 AVI 4M1	Drama Exploring & Creating The Arts Instrumental Music - Band Music Vocal/Choral Dance Visual Arts
Business Studies (pg. 14-16)	BTT 1O1	Information & Communication Technology in Business	BBI 2O1	Introduction to Business	BAF 3M1 BDI 3C1 BMI 3C1 BTA 3O1	Financial Accounting Fund Entrepreneurship: The Venture Marketing: Goods, Services, Events Info. & Communication Tech: The Digital Environment	BAT 4M1 BBB 4M1	Financial Accounting Principles International Business Fundamentals
Canadian & World Studies (pg. 16-19) Geography History Law Politics	CGC 1D1 CGC 1DZ CGC 1P1	Issues in Canadian Geography Issues in Canadian Geography (Immersion) Issues in Canadian Geography	CHC 2D1 CHC 2P1 CHC 2DZ CHV 2O5 CHV 2OZ	Can. History Since World War I Can. History Since World War I Can. History Since World War I (Immersion) Civics and Citizenship Civics and Citizenship (Immersion)	CGF 3M1 CGG 3O1 CHA 3U1 CHW 3M1 CLU 3M1	Forces of Nature: Physical Processes and Disasters Travel & Tourism: A Geographic Perspective American History World History to the End of the 15th Century Understanding Canadian Law	CGO 4M1 CGW 4U1 CHY 4U1 CIA 4U1 CLN 4U1 CPW 4U1	Spatial Technologies in Action World Issues: A Geographic Analysis World History: Since the 15th Century Analyzing Current Economic Issues Canadian & International Law Canadian & World Politics
CLASSICAL ST. & INTER LANG. (pg. 19) Spanish			LWS BD1	Spanish	LWS CU1	Spanish	LWS DU1	Spanish
Computer studies (pg. 20)			ICS 2O1	Intro to Computer Studies	ICS 3C1 ICS 3U1	Intro to Computer Programming Intro to Computer Science	ICS 4C1 ICS 4U1	Computer Programming Computer Science
English (pg. 20-26)	ENG 1D1 ENG 1P1	English English	ENG 2D1 ENG 2P1	English English	EMS 3O1 ENG 3C1 ENG 3U1	Media Studies English English	EBT 4O1 ENG 4C1 ENG 4U1 EWC 4U1	Comm. in the World of Bus. & Tech. English English The Writer's Craft
FRENCH AS A SECOND LANGUAGE (pg. 27-28)	FIF 1DZ FSF 1D1 FSF 1P1	French (Immersion) Core French Core French	FIF 2DZ FSF 2D1	French (Immersion) Core French	FIF 3UZ FSF 3U1	French (Immersion) Core French	FIF 4UZ FSF 4U1	French (Immersion) Core French
Guidance and Career Ed. (pg. 28)			GLC 2O5 GLC 2OZ	Career Studies Career Studies (Immersion)	GPP 3O1	Leadership & Peer Support		
Health and Physical Ed. (pg. 29-30)	PPL 1OW PPL 1OY PPL 1OZ	Healthy Active Living-Girls Healthy Active Living-Boys Healthy Active Living (Immersion)	PAF 2O1 PAL 2O1 PPL 2OW PPL 2OY	Personal Fitness Healthy Active Living-Hockey Focus Healthy Active Living-Girls Healthy Active Living-Boys	PAF 3O1 PPL 3O1	Personal Fitness Healthy Active Living (Coed)	PAF 4O1 PLF 4C1 PPL 4O1 PSE 4U1	Personal Fitness Recreational & Fitness Ldsp Healthy Active Living (Coed) Exercise Science
Mathematics (pg. 30-32)	MPM 1D1 MFM 1P1	Principles of Mathematics Foundations of Mathematics	MFM 2P1 MPM 2D1	Foundations of Mathematics Principles of Mathematics	MBF 3C1 MCF 3M1 MCR 3U1 MEL 3E1	Foundations for College Math Functions & Applications Functions Mathematics for Work & Everyday Life	MAP 4C1 MCT 4C1 MCV 4U1 MDM 4U1 MEL 4E1 MHF 4U1	Foundations for College Math Math for College Tech. Calculus & Vectors Mathematics of Data Mgmt Math for Work & Everyday Life Advanced Functions
Native Studies (pg. 33-34)					NDA 3M1	Current Aboriginal Issues in Canada	NDW 4M1	Issues of Indigenous Peoples in a Global Context
Science (pg. 34-36)	SNC 1D1 SNC 1DZ SNC 1P1	Science Science (Immersion) Science	SNC 2D1 SNC 2P1	Science Science	SBI 3C1 SBI 3U1 SCH 3U1 SPH 3U1 SVN 3E1 SVN 3M1	Biology Biology Chemistry Physics Environmental Science Environmental Science	SBI 4U1 SCH 4C1 SCH 4U1 SES 4U1 SNC 4E1 SNC 4M1 SPH 4C1 SPH 4U1	Biology Chemistry Chemistry Earth and Space Science Science Science Physics Physics
Social Science & Humanities (pg. 36-39)			HFN 2O1 HNL 2O1	Food and Nutrition Clothing	HNC 3C1 HPC 3O1 HPW 3C1 HSP 3C1 HSP 3U1 HSP 3UZ	Understanding Fashion Raising Healthy Children Working with Infants & Young Children Intro. to Anthropology, Psychology & Sociology Intro. to Anthropology, Psychology & Sociology Intro to Anthropology, Psc. & Soc. (Imm.)	HFA 4C1 HFA 4U1 HHS 4C1 HNB 4M1 HSB 4U1 HSE 4M1	Nutrition & Health Nutrition & Health Families In Canada The World of Fashion Challenge & Change in Sty Equity & Social Justice
Technological Education (pg. 39-46)	TIJ 1O1	Exploring Technologies	TGJ 2O1 TCJ 2O1 TMJ 2O1 TTJ 2O1	Communications Technology Construction Technology Manufacturing Technology Transportation Technology	TDJ 3M1 TGJ 3M1 TMJ 3E1 TTJ 3C1 TWJ 3E1	Technological Design Communications Technology Manufacturing Technology Transportation Technology Custom Woodworking	TDJ 4M1 TGJ 4M1 TGG 4M1 TMJ 4E1 TTJ 4C1 TWJ 4E1	Technological Design Communications Tech. Com. Tech. Print & Graphic Communications (Yearbook) Manufacturing Technology Transportation Technology Custom Woodworking

John McGregor Secondary School

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jmss.lkdsb.net

Welcome to the Home of the Panthers! "Aim to Excel"

With over fifty years of excellence in Academics, Athletics and the Arts at John McGregor Secondary School, students have excelled and continue to shine at University, at College and in various apprenticeships. Our graduates are well prepared to tackle education at the post-secondary level. Success occurs at this next phase of learning because our students are well equipped with the necessary tools and they are ready to handle the independent conditions after highschool. We have a dedicated and professional staff at J.M.S.S. who ensure success by providing students with programs, supports and opportunities along their educational pathways. The caring and committed teachers "Aim to Excel" every day as they interact with students in and out of the classroom.

At JMSS, we "Aim to Excel" by providing state of the art facilities which include newly constructed Science labs, a completely operational greenhouse and a fully equipped Instrumental Music room. Our complement of multi-media classrooms and technology such as SMART boards, electronic response systems and wireless laptops are cutting edge. We are the only school in the city that has a Virtual Library and our own school library collection (found at Destiny.lkdsb.net) that is available to all students 24/7. The school has multiple internet hotspots throughout the building which allow our students to connect to the world wide web and extend their learning beyond the typical classroom.

There are many opportunities to excel above and beyond the classroom at J.M.S.S. We offer a wide range of co-curricular activities that allow students to learn dedication, commitment, integrity and leadership skills. The Panther Athletics program is rooted in deep tradition and continued success. The staff and students also pride themselves on reaching out in the community, assisting others in need and making the environment a better place in which to live.

John McGregor Secondary School develops well-rounded students who "Aim to Excel"!

A Dual Credit Program is available where eligible Gr. 12 students may study college level courses while earning secondary school credits at the same time. See Student Services for eligibility criteria and other details.

Specialist High Skills Major Programs are offered in the following sectors:

- Arts and Culture
- Construction
- Environment
- Health and Wellness
- Hospitality and Tourism
- Information & Communication Technology
- Transportation

See Student Services for details.

Principal: Mark Sherman
Vice Principals: Bernadette Bruette, Ben Lawton
Student Services: Laurie Regan
Founding Year: 1957 Population: 750
Colours: Maroon and White
Team Name: Panthers

**Cooperative Education and
Interdisciplinary Studies**
Courses may be offered in Gr. 11 & 12.
See Student Services for details.

SUBJECT	GRADE 9		GRADE 10		GRADE 11		GRADE 12	
Arts (pg. 11-14) Drama Music Visual Arts	ADA 101 AMI 101 AVI 101	Drama Instrumental Music-Band Visual Arts	ADA 201 AMI 201 AVI 201	Drama Instrumental Music-Band Visual Arts	ADA 3M1 ADA 3O1 AMI 3M1 AMI 3O1 AVI 3M1 AVI 3O1 AWC 301	Drama Drama Instrumental Music-Band Visual Arts Visual Arts Visual Arts - Ceramics	ADA 4M1 AMI 4M1 AVI 4M1	Drama Instrumental Music-Band Visual Arts
Business Studies (pg. 14-16)	BTT 101	Information & Communication Technology in Business	BBI 201	Introduction to Business	BAF 3M1 BDI 3C1 BTA 301	Financial Accounting Fund. Entrepreneurship: The Venture Info. & Communication Tech.: The Digital Environment	BAT 4M1 BOH 4M1	Financial Accounting Principles Business Leadership - Management Fundamentals
Canadian & World Studies (pg. 16-19) Geography History Law Politics	CGC 1D1 CGC 1P1	Issues in Canadian Geography Issues in Canadian Geography	CHC 2D1 CHC 2P1 CHV 2O5	Canadian History Since WWI Canadian History Since WWI Civics and Citizenship	CGG 3O1 CHA 3U1 CHT 3O1 CHW 3M1 CLU 3E1 CLU 3M1	Travel & Tourism: A Geographic Perspective American History World History Since 1900: Global & Reg. Interactions World History to the End of the 15TH Century Understanding Canadian Law in Everyday Life Understanding Canadian Law	CGO 4M1 CHI 4U1 CHY 4U1 CLN 4U1	Spatial Technologies in Action Canada: History, Identity & Culture (2015-16) World History: Since the 15th Century (2014-15) Canadian & International Law
CLASSICAL ST. & INTER LANG. (pg. 19) Spanish			LWS BD1	Spanish	LWS CU1	Spanish	LWS DU1	Spanish
COMPUTER STUDIES (pg. 20)					ICS 3C1 ICS 3U1	Intro to Computer Programming Intro to Computer Science	ICS 4C1 ICS 4U1	Computer Programming Computer Science
English (pg. 20-26)	ENG 1D1 ENG 1L1 ENG 1P1	English English (Locally Developed) English	ENG 2D1 ENG 2L1 ENG 2P1	English English (Locally Developed) English	ENG 3C1 ENG 3E1 ENG 3U1 EPS 3O1	English English English Presentation & Speaking Skills	ENG 4C1 ENG 4E1 ENG 4U1 EWC 4C1 EWC 4U1	English English English The Writer's Craft The Writer's Craft
FRENCH AS A SECOND LANGUAGE (pg. 27-28)	FSF 1D1 FSF 1P1	Core French Core French	FSF 2D1	Core French	FSF 3U1	Core French	FSF 4U1	Core French
Guidance and Career Ed. (pg. 28)			GLC 2O5	Career Studies	GPP 3O1	Leadership & Peer Support		
Health and Physical Ed. (pg. 29-30)	PPL 10W PPL 10Y	Healthy Active Living-Girls Healthy Active Living-Boys	PAF 201 PPL 20W PPL 20Y	Personal & Fitness Activities (Co-ed) Healthy Active Living-Girls Healthy Active Living-Boys	PAF 3O1 PAL 3O1 PPL 3O1	Personal and Fitness Activities (Co-ed) Large Group Activ (Co-ed) Healthy Active Living (Co-ed)	PAI 4O1 PLF 4C1 PPL 4O1 PSE 4U1	Ind. & Small Gr Act. P.E.O.P.E.L. Rec. & Fitness Leadership Healthy Active Living (Co-ed) Exercise Science
Mathematics (pg. 30-32)	MAT 1L1 MFM 1P1 MPM 1D1	Mathematics (Locally Developed) Foundations of Mathematics Principles of Mathematics	MAT 2L1 MFM 2P1 MPM 2D1	Mathematics (Locally Developed) Foundations of Mathematics Principles of Mathematics	MBF 3C1 MCF 3M1 MCR 3U1 MEL 3E1	Foundations for College Math Functions & Applications Functions Mathematics for Work & Everyday Life	MAP 4C1 MCT 4C1 MCV 4U1 MDM 4U1 MEL 4E1 MHF 4U1	Foundations for College Math Math for College Tech. Calculus & Vectors Mathematics of Data Mgt Math for Work & Everyday Life Advanced Functions
Native Studies (pg. 33-34)					NBV 3C1	Aboriginal Beliefs		
Science (pg. 34-36)	SNC 1D1 SNC 1P1	Science Science	SNC 2D1 SNC 2L1 SNC 2P1	Science Science (Locally Developed) Science	SBI 3C1 SBI 3U1 SCH 3U1 SPH 3U1 SVN 3E1 SVN 3M1	Biology Biology Chemistry Physics Environmental Science Environmental Science	SBI 4U1 SCH 4C1 SCH 4U1 SPH 4C1 SPH 4U1	Biology Chemistry Chemistry Physics Physics
Social Science & Humanities (pg. 36-39)			HFN 201	Food and Nutrition	HPC 3O1 HPW 3C1 HSP 3U1	Raising Healthy Children Working with Infants & Young Children Introduction to Anthropology, Psych. & Sociology	HHS 4U1 HNB 4M1	Families in Canada The World of Fashion
Technological Education (pg. 39-46)	TIJ 101	Exploring Technologies	TCJ 201 TDJ 201 TGJ 201 TMJ 201 TTJ 201 TXJ 201	Construction Technology Technological Design Communications Technology Manufacturing Technology Transportation Technology Hairstyling & Aesthetics	TCJ 3C1 TDJ 3M1 TFJ 3C1 TGJ 3M1 TGG 3M1 THJ 3E1 THJ 3M1 TMJ 3C1 TTJ 3C1 TXJ 3E1	Construction Technology Technological Design Hospitality and Tourism Communications Technology Com. Tech. Print and Graphic Communications (Yearbook) Green Industries Green Industries Manufacturing Technology Transportation Technology Hairstyling & Aesthetics	TCJ 4C1 TDJ 4M1 TFJ 4C2 TGJ 4M1 TGG 4M1 THJ 4E1 THJ 4M1 TMJ 4C1 TTJ 4C1 TXJ 4E1	Construction Technology Technological Design Hospitality and Tourism Communications Technology Com. Tech. Print and Graphic Communications (Yearbook) Green Industries Green Industries Manufacturing Technology Transportation Technology Hairstyling and Aesthetics

Lambton Central Collegiate & Vocational Institute

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lccvi.lkdsb.net



L.C.C.V.I. is a school that excels in student focused learning. L.C.C.V.I. delivers over 160 different courses offered at the academic, applied, college, university, workplace, and open levels. A comprehensive technological studies program is offered in six well equipped shops. There are extensive arts programs, as well as classes for students with special needs. The resource department offers support and enrichment for exceptional students and tutoring for all requiring a helping hand.

The L.C.C.V.I. community values the importance of a well-rounded education. Students are encouraged to participate in a wide variety of clubs, activities, and athletics. Lancer teams are competitive at the local, regional and provincial levels.

L.C.C.V.I. recognizes the achievement of its students with numerous academic awards. The most prestigious is the Helen Kavanagh Nicol Memorial Scholarship valued at \$12,000 (U.S.) per winner. Since 1987, there have been over 350 winners.

Excellence, tradition, community and growth are the four pillars for student success embraced by the L.C.C.V.I. community. L.C.C.V.I. is an outstanding school for past, present and future Lancers.

A Dual Credit Program is available where eligible Gr. 12 students may study college level courses while earning secondary school credits at the same time.

Specialist High Skills Major Programs are offered in the following sectors:

- Agriculture
- Health and Wellness

See Student Services for eligibility criteria and other details.

Principal: Linda Jared
Vice Principal: Mary Lou Falla, Jim Keane
Student Services: Allan Shaw
Founding Year: 1884 Population: 880
Colours: Red and White
Team Name: Lancers

**Cooperative Education and
Interdisciplinary Studies**
Courses may be offered in Gr. 11 & 12.
See Student Services for details.

SUBJECT	GRADE 9		GRADE 10		GRADE 11		GRADE 12	
Arts (pg. 11-14) Drama Music Visual Arts	ADA 101 AMI 101 AMK 101 AMV 101 AVI 101	Drama Instrumental Music - Band Keyboard Music Music - Vocal/Choral Visual Arts	ADA 201 AMI 201 AMK 201 AMV 201 AVI 201 AWA 201	Drama Instrumental Music - Band Keyboard Music Music - Vocal/Choral Visual Arts Visual Arts - Crafts	ADA 3M1 ADA 3M2 AMI 3M1 AMI 301 AMK 3M1 AMV 3M1 AVI 3M1 AWM 301	Drama Drama - Immersion Instrumental Music-Band Sr. Beginner Instrumental Keyboard Music Music - Vocal/Choral Visual Arts Drawing and Painting	ADA 4M1 AMI 4M1 AMK 4M1 AMV 4M1 AVI 4M1	Drama Instrumental Music - Band Keyboard Music Music - Vocal/Choral Visual Arts
Business Studies (pg. 14-16)	BTT 101	Information & Communication Technology in Business	BBI 201	Introduction to Business	BAF 3M1 BDI 3C1 BMI 3C1	Financial Accounting Fund. Entrepreneurship: The Venture Marketing: Goods, Services, Events	BAT 4M1	Financial Accounting Principles
Canadian & World Studies (pg. 16-19) Geography History Law Politics	CGC 1D1 CGC 1DZ CGC 1P1	Issues in Canadian Geography Issues in Canadian Geography (Imm) Issues in Canadian Geography	CHC 2D1 CHC 2DZ CHC 2P1 CHV 2O5	Can. History in the 20th Century Can. Hist in the 20th Cent (Imm.) Can. History in the 20th Century Civics and Citizenship	CGG 301 CHA 3U1 CHW 3M1 CLU 3E1 CLU 3M1	Travel & Tourism: A Geographic Perspective American History World History to the End of the 15TH Century Understanding Canadian Law in Everyday Life Understanding Canadian Law	CGW 4U1 CHY 4U1 CLN 4U1	World Issues: A Geographic Analysis World History: Since the 15th Century Canadian & International Law
COMPUTER STUDIES (pg. 20)			ICS 201	Computer & Info. Science	ICS 3U1	Intro to Computer Science	ICS 4U1	Computer Science
English (pg. 20-26)	ENG 1D1 ENG 1P1	English English	ENG 2D1 ENG 2P1	English English	EMS 3O1 ENG 3C1 ENG 3E1 ENG 3U1	Media Studies English English English	ENG 4C1 ENG 4E1 ENG 4U1 EWC 4U1	English English English The Writer's Craft
FRENCH AS A SECOND LANGUAGE (pg. 27-28)	FSF 1D1 FSF 1P1 FIF 1DZ	Core French Core French French Immersion	FSF 2D1 FIF 2DZ	Core French French Immersion	FSF 3U1 FIF 3UZ	Core French French Immersion	FSF 4U1 FIF 4UZ	Core French French Immersion
Guidance and Career Ed. (pg. 28)			GLC 2O5	Career Studies	GPP 3O1	Leadership & Peer Support	IDC 4UV	Leading and Learning
Health and Physical Ed. (pg. 29-30)	PPL 1OW PPL 1OY	Healthy Active Living-Girls Healthy Active Living-Boys	PAF 2OW PAF 2OY PPL 2OW PPL 2OY	Personal Fitness Activities Girls Personal Fitness Activities Boys Healthy Active Living - Girls Healthy Active Living - Boys	PAF 3O1 PPL 3OW PPL 3OY	Personal and Fitness Activities Healthy Active Living - Girls Healthy Active Living - Boys	PAF 4O1 PAI 4O1 PLF 4C1 PPL 4O1 PSE 4U1	Personal & Fitness Activities Ind. & Small Gr Act. P.E.O.P.E.L. Rec. & Fitness Leadership Healthy Active Living Education Exercise Science
Mathematics (pg. 30-32)	MFM 1P1 MPM 1D1 MPM 1DZ	Foundations of Mathematics Principles of Mathematics Principles of Math (Immersion)	MFM 2P1 MPM 2D1 MPM 2DZ	Foundations of Mathematics Principles of Mathematics Principles of Math (Imm.)	MBF 3C1 MCF 3M1 MCR 3U1 MEL 3E1	Foundations for College Math Functions & Applications Functions Mathematics for Work & Everyday Life	MAP 4C1 MCT 4C1 MCV 4U1 MDM 4U1 MEL 4E1 MHF 4U1	Foundations for College Math Math for College Tech. Calculus & Vectors Mathematics of Data Mgt Math for Work & Everyday Life Advanced Functions
Native Studies (pg. 33-34)					NDA 3M1	Current Aboriginal Issues in Canada	NDW 4M1	Issues of Indigenous People
Science (pg. 34-36)	SNC 1D1 SNC 1P1	Science Science	SNC 2D1 SNC 2P1	Science Science	SBI 3C1 SBI 3U1 SCH 3U1 SPH 3U1 SVN 3E1 SVN 3M1	Biology Biology Chemistry Physics Environmental Science Environmental Science	SBI 4U1 SCH 4C1 SCH 4U1 SPH 4C1 SPH 4U1	Biology Chemistry Chemistry Physics Physics
Social Science & Humanities (pg. 36-39)			HFN 2O1 HIF 2O1	Food and Nutrition Exploring Family Studies	HFC 3M1 HLS 3O1 HNC 3C1 HPC 3O1 HPW 3C1 HRF 3O1 HSP 3C1	Food & Culture Housing & Home Design Understanding Fashion Raising Healthy Children Working with Infants & Young Children World Religions Intro. to Anthro., Psych. & Sociology	HFA 4C1 HFA 4U1 HHS 4C1 HHS 4U1 HSB 4UZ HZT 4U1	Nutrition & Health Nutrition & Health Families in Canada Families in Canada Challenge & Change-Immersion Philosophy: Questions & Theories
Technological Education (pg. 39-46)	TIJ 101	Exploring Technologies	TCJ 2O1 TDJ 2O1 TEJ 2O1 TGJ 2O1 THJ 2O1 TMJ 2O1 TTJ 2O1	Construction Technology Technological Design Computer Technology Communications Technology Green Industries Manufacturing Transportation Technology	TCJ 3C1 TDJ 3M1 TDJ 3O1 TEJ 3M1 TGG 3M1 TGJ 3M1 THJ 3M1 TMP 3C1 TMY 3C1 TTJ 3C1	Construction Technology Technological Design Technological Design Computer Engineering Tech. Communications Tech. Print and Graphic Com. (Yearbook) Communications Technology Green Industries Manufact. Tech. Precision Mng. Manufact. Tech. Welding Tech. Transportation Technology	TCJ 4C1 TDJ 4M1 TDJ 4O1 TEJ 4M1 TGJ 4M1 TMP 4C1 TMY 4C1 TTJ 4C1	Construction Technology Technological Design Technological Design Computer Engineering Tech. Communications Technology Manufact. Tech. Precision Mng. Manufact. Tech. Welding Tech. Transportation Technology

Lambton-Kent Composite School

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Phone: 519-683-4475 Fax: 519-683-2699
lkcs.lkdsb.net

Lambton-Kent Composite School is a community-oriented school that boasts an excellent learning environment staffed by caring, committed teachers who are focused on their students' success. The school offers students a well-rounded education by providing a wide range of academic and extra-curricular activities.

“Growth Toward Excellence”

Academics: Programming is in place to lead students to the post-secondary destination of their choice, whether it be an apprenticeship, college or university program.

- Subject specialist teachers deliver instruction in focused curriculum areas.
- Enrichment activities, including trips, workshops and contests, are available to complement classroom programs.
- Student success initiatives are in place to monitor and support credit achievement.
- National and international excursions / exchanges are available to enhance students' global perspective.
- A comprehensive co-operative education program provides students with experiential learning opportunities.

Athletics: Numerous recreational and competitive athletic opportunities are available to L.K.C.S. students.

- Varsity teams compete in badminton, basketball, cross-country, golf, hockey, soccer, track and field, and volleyball.
- Fitness and weight room facilities are available for student use.

Activities: L.K.C.S. offers a variety of extra-curricular clubs, co-curricular activities and leadership development opportunities.

- Student Council, Athletic Association, Arts Council, Diversity Club, Drama Club, Scrapbooking Club, Sound and Technology Club, Interact Club, Environmental Action Committee
- The Hugh O'Brian Youth Leadership Conference, and the Rotary Youth Leadership Awards Conference

Community Support: The school enjoys a strong partnership with the surrounding community and its Alumni network.

- Commencement financial awards exceed \$20,000 for L.K.C.S. graduates.

A Dual Credit Program is available in which eligible Grade 12 students may study college level courses while earning secondary school credits at the same time.

Specialist High Skills Major Programs are offered in the following sectors:

- Construction
- Health and Wellness

See Student Services for eligibility criteria and other details.

Principal: Scott McKelvie
Vice Principal: Carole Scott
Student Services: Janice Wranich
Founding Year: 1967 Population: 315
Colours: Red and White
Team Name: Cardinals

**Cooperative Education and
Interdisciplinary Studies**
Courses may be offered in Gr. 11 & 12.
See Student Services for details.



Vision Statement

Our Students - Shaping Our World

Mission Statement

Fostering Success for Every Student Every Day

Belief Statements

- Public Education is an investment in the future of all peoples and all communities.
- All students can learn and are entitled to quality instruction.
- A safe and caring learning environment is strengthened by embracing diversity, and respecting self, others and the world around us.
- Student success is achieved through shared responsibility of students, staff, families, community and First Nation partners.
- Accountability is attained through open dialogue, transparency and fiscal responsibility.
- We are committed to innovation and continuous improvement.

DIPLOMA REQUIREMENTS

Successful completion of 30 credits (18 Compulsory and 12 Optional credits) plus the additional requirements are required to earn an Ontario Secondary School Diploma (OSSD). A credit is granted to a student who has successfully completed a course for which a minimum of 110 hours has been scheduled.

NOTE:

(i) Accommodations, Deferrals and Exemptions

These are possible for qualified students and will be arranged by the Principal.

(ii) Substitutions for Compulsory Course

The decision to make a substitution for a student should be made only if the student's educational interests are best served by such substitution. The Principal will determine whether or not a substitution should be made.

COMPULSORY CREDITS

- 4 English^[1] (1 credit per grade)
- 3 Mathematics (at least 1 credit in Grade 11 or 12)
- 2 Science
- 1 Canadian Geography
- 1 Canadian History
- 1 French as a Second Language^[2]
- 1 Arts (Dance, Drama, Music or Visual Art)
- 1 Health and Physical Education
- .5 Civics and Citizenship
- .5 Career Studies
- 1 Group 1 - Additional credit in English, or French as a Second Language or a Native language, or a Classical or an International Language or Social Sciences and the Humanities^[3], or Canadian and World Studies^[4], or Guidance and Career Education or Cooperative Education^[5]
- 1 Group 2 - Additional credit in Health and Physical Education, or the Arts, or Business Studies or French as a Second Language, or Cooperative Education^[5]
- 1 Group 3 - Additional credit in Science (Grade 11 or 12), or Technological Education, or French as a Second Language^[6], or Computer Studies, or Cooperative Education^[5]

^[1] 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.

^[2] In schools which offer Delaware or Ojibwe, native students may choose to take Delaware or Ojibwe in addition to French, or as an alternative to French.

^[3] Social Science and Humanities, Family Studies includes courses in General Social Science, Philosophy and World Religions.

^[4] Canadian and World Studies includes courses in Geography, History, Law, Politics and Economics.

^[5] A maximum of 2 credits in Cooperative Education can count as compulsory credits.

^[6] In Group 1, 2 and 3, a maximum of two 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.

OPTIONAL CREDITS

The remaining 12 credits may be selected from all subject areas including those in the compulsory list to complete 30 credits. Selection of these credits is based on interests, and future educational and career plans.

ADDITIONAL REQUIREMENTS:

- Completion of 40 hours of community involvement activities; and
- Successful completion of the Ontario Secondary School Literacy Test (OSSLT) or the Grade 12 OSSLC (Ontario Secondary School Literacy Course) if unsuccessful with the OSSLT.

Music Certificates Accepted for Credit

1. A maximum of one Grade 11 university/college preparation music credit may be awarded towards the OSSD for the successful completion of one of the following:

- Grade VII Practical and Intermediate Rudiments (formerly Grade I Rudiments) of the Royal Conservatory of Music, Toronto
- Grade VII Practical and Grade III Theory of Conservatory of Canada, London, Ontario
- Collegial I Practical and Collegial I Theory of any conservatory of music in the province of Quebec
- Grade V Practical and Grade III Theory of Trinity College, London, England
- Grade VII Practical and Grade VI Theory of the Royal Schools of Music, London, England

2. A maximum of one Grade 12 university/college preparation music credit may be awarded towards the OSSD for the successful completion of one of the following:

- Grade VIII Practical and Advanced Rudiments (formerly Grade II Rudiments) of the Royal Conservatory of Music, Toronto
- Grade VIII Practical and Grade IV Theory of Conservatory Canada, London, Ontario
- Collegial II Practical and Collegial II Theory of any conservatory of music in the province of Quebec
- Grade VI Practical and Grade IV Theory of Trinity College, London, England
- Grade VIII Practical and Grade VIII Theory of the Royal Schools of Music, London, England

Notes:

The term practical refers to any musical instrument on which performance is examined. It includes voice (ie., singing), but not speech arts.

The mark credited to the student is calculated by averaging the marks that the student has earned in the practical component and in rudiments or theory, as the case may be.

Consult with Student Services staff regarding required documentation.

Your Personal Planner

Name: _____

Review and revise your educational plans on a regular basis. This planner has been placed in the centre to enable you to pull it out without harming your calendar. You should plan your educational career carefully in consultation with your parents and school counsellor. Subject selection is a serious task and should be performed with care and much thought. Consider your desired career, your strengths and weaknesses, your interests, and talents. All subject selections must have the final approval of your parents/guardian. (if you are younger than 18 years of age).

YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5	
Course	Code	Course	Code	Course	Code	Course	Code	Course	Code
ENGLISH		ENGLISH		ENGLISH		ENGLISH			
MATHEMATICS		MATHEMATICS		MATHEMATICS					
SCIENCE		SCIENCE							
GEOGRAPHY		HISTORY							
FRENCH		Civics and Citz. (.5) CAREER STUDIES (.5)							
HEALTH & PHYSICAL ED.									
ARTS									
SUMMER SEMESTER		SUMMER SEMESTER		SUMMER SEMESTER		SUMMER SEMESTER		SUMMER SEMESTER	
TOTAL CREDITS		TOTAL CREDITS		TOTAL CREDITS		TOTAL CREDITS		TOTAL CREDITS	

ADDITIONAL 3 COMPULSORY CREDITS

- Group 1 - Additional credit in English, or French as a Second Language or a Native Language, or a Classical or an International Language or Social Science⁽³⁾ and the Humanities, or Canadian and World Studies⁽⁴⁾, or Guidance and Career Education or Cooperative Education⁽⁵⁾.
 - Group 2 - Additional credit in Health or Physical Education, or the Arts, or Business Studies or French as a Second Language⁽⁶⁾, or Cooperative Education⁽⁵⁾.
 - Group 3 - Additional credit in Science(Grade 11 or 12), or Technological Education, or French as a Second Language⁽⁶⁾, or Computer Studies, or Cooperative Education⁽⁵⁾.
- ¹ to Diploma Requirements

ADDITIONAL DIPLOMA REQUIREMENTS

OPTIONAL CREDITS (12)

The remaining twelve credits may be selected from any subject area.

- Community Involvement Activities (40 hrs)
- Ontario Secondary School Literacy requirement

SUBJECT	GRADE 9		GRADE 10		GRADE 11		GRADE 12	
Arts (pg. 11-14) Drama Music Visual Arts	ALC 101	Integrated Arts (Drama, Music, Visual Arts)	ADA 201 AVI 201	Drama Visual Arts	ADA 301 AVI 3M1 AVI 301	Drama Visual Arts Visual Arts	ADA 4M1 AVI 4E1 AVI 4M1	Drama Visual Arts Visual Arts
Business Studies (pg. 14-16)			BBI 201	Introduction to Business	BAF 3M1 BDI 3C1 BTA 301	Financial Accounting Fund. Entrepreneurship: The Venture (2015-16) Info. & Communication Tech. - The Digital Environment (2014-15)	BAT 4M1	Financial Accounting Principles (2015-16)
Canadian & World Studies (pg. 16-19) Geography History Law Politics	CGC 1D1 CGC 1P1	Issues in Canadian Geography Issues in Canadian Geography	CHC 2D1 CHC 2P1 CHV 205	Canadian History Since WWI Canadian History Since WWI Civics and Citizenship	CGF 3M1 CGG 301 CHA 3U1 CHW 3M1	Forces of Nature: Physical Processes and Disasters (2014-15) Travel & Tourism: A Geographic Perspective American History(2015-16) World History to the End of the 15TH Century (2014-15)	CGW 4C1 CGW 4U1 CHI 4U1 CHY 4U1 CLN 4C1	World Issues: A Geographical Analysis (2015-16) World Issues: A Geographical Analysis Canada: History, Identity & Culture (2014-15) World History: Since the 15th Century (2015-16) Legal Studies (2014-15)
English (pg. 20-26)	ENG 1D1 ENG 1P1	English English	ENG 2D1 ENG 2P1	English English	EMS 301 ENG 3C1 ENG 3U1	Media Studies (2015-16) English English	ENG 4C1 ENG 4U1 ENG 4E1	English English English (2014-15)
FRENCH AS A SECOND LANGUAGE (pg. 27-28)	FSF 1D1 FSF 1P1	Core French Core French	FSF 2D1	Core French	FSF 3U1	Core French	FSF 4U1	Core French
Guidance and Career Ed. (pg. 28)			GLC 205	Career Studies				
Health and Physical Ed. (pg. 29-30)	PPL 10W PPL 10Y	Healthy Active Living-Girls Healthy Active Living-Boys	PAL 201 PPL 201	Large Group Activities (2014-15) Healthy Active Living	PAF 301 PPL 301	Personal and Fitness Activities (2015-16) Healthy Active Living	PLF 4C1 PPL 401 PSE 4U1	Rec. & Fitness Leadership (2014-15) Healthy Active Living Exercise Science (2015-16)
Mathematics (pg. 30-32)	MFM 1P1 MPM 1D1	Foundations of Mathematics Principles of Mathematics	MFM 2P1 MPM 2D1	Foundations of Mathematics Principles of Mathematics	MBF 3C1 MCF 3M1 MCR 3U1 MEL 3E1	Foundations for College Math Functions & Applications Functions Mathematics for Work & Everyday Life (2015-16)	MAP 4C1 MCT 4C1 MCV 4U1 MDM 4U1 MHF 4U1	Foundations for College Math Math for College Tech. Calculus & Vectors Mathematics of Data Mgt Advanced Functions
Native Studies (pg. 33-34)					NBV 3C1	Aboriginal Beliefs		
Science (pg. 34-36)	SNC 1D1 SNC 1P1	Science Science	SNC 2D1 SNC 2P1	Science Science	SBI 3C1 SBI 3U1 SCH 3U1 SPH 3U1	Biology Biology Chemistry Physics	SBI 4U1 SCH 4C1 SCH 4U1 SPH 4C1 SPH 4U1	Biology Chemistry Chemistry Physics (2015-16) Physics (2014-15)
Social Science & Humanities (pg. 36-39)			HFN 201	Food and Nutrition	HNC 3C1 HPC 301	Understanding Fashion (2015-16) Raising Healthy Children	HFA 4C1 HHS 4U1 HSB 4U1	Nutrition & Health (2014-15) Families in Canada (2014-15) Challenge & Change in Society (2015-16)
Technological Education (pg. 39-46)	TIJ 101	Exploring Technologies	TCJ 201 TGJ 201 TMJ 201 TTJ 201	Construction Technology Communications Technology Manufacturing Technology Transportation Technology	TGJ 3M1 THJ 3E1 TMJ 3E1 TTJ 3C1 TWJ 3E1	Communications Technology Green Industries Manufacturing Technology Transportation Technology Custom Woodworking	TDJ 401 TGG 4M1 TGJ 4M1 THJ 4E1 TMJ 4E1 TTJ 4C1 TWJ 4E1	Technological Design Communications Technology: Print and Graphics Communications Communications Technology Green Industries Manufacturing Technology Transportation Technology Custom Woodworking

North Lambton Secondary School

15-17 George Street,
Forest, Ontario N0N 1J0
Phone: 519-786-2166 Fax: 519-786-5250
nlss.lkdsb.net

Home of the Eagles

North Lambton is one of the oldest schools in Southwestern Ontario. Built in 1890, it was known as Forest High School, and had an enrolment of less than one hundred. The school was destroyed by fire in 1940, and since then, has had several major renovations. NLSS maintains a small school atmosphere, even with close to 520 students.

Since 2002, there have been extensive renovations to the Science, Drama and Math classrooms and lab areas. A greenhouse was built in 2004 and this structure is an integral part of the horticulture courses. The Physical Education program at NLSS has access to excellent facilities including the Lambton Shores Community Recreation Centre built in 2007.

NLSS has a number of initiatives to ensure student success....

- An active Resource Department works closely with students to meet academic needs.
- Learning Strategies courses provide students with time-management, organizational skills and study skills.

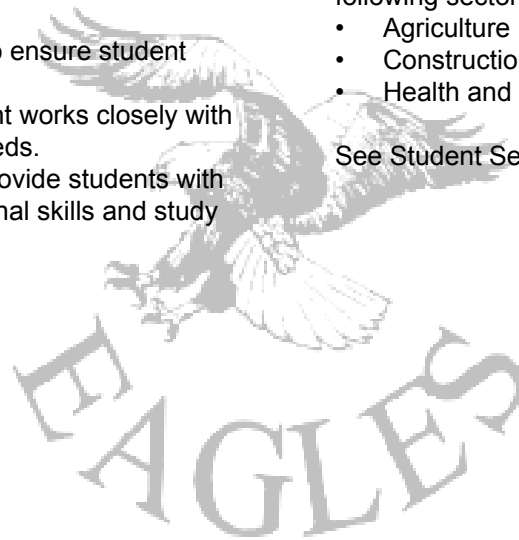
- An after-school Literacy Program prepares students for the grade 10 Literacy Test.
- A Literacy course is available to ensure all students can meet diploma requirements.
- An after-school homework club is available 2 times per week.
- The Back on Track Program provides remediation for students with credits at risk.
- A variety of credit recovery opportunities are available for eligible students.

A Dual Credit Program is available where eligible Gr. 12 students may study college level courses while earning secondary school credits at the same time. See Student Services for eligibility criteria and other details.

Specialist High Skills Major Programs are offered in the following sector:

- Agriculture
- Construction
- Health and Wellness

See Student Services for details.



Principal: Susan Ferguson
Vice Principal: Scott Watson
Student Services: Greg Sheeler
Founding Year: 1890 Population: 520
Colours: Burgundy, Gray and White
Team Name: Eagles

**Cooperative Education and
Interdisciplinary Studies**
Courses may be offered in Gr. 11 & 12.
See Student Services for details.

SUBJECT	GRADE 9		GRADE 10		GRADE 11		GRADE 12	
Arts (pg. 11-14) Drama Music Visual Arts	ADA 101 AMI 101 AMV 101 AVI 101	Drama Instrumental Music - Band Music - Vocal/Choral Visual Arts	ADA 201 AMI 201 AMV 201 ASM 201 AVI 201	Drama Instrumental Music-Band Music - Vocal/Choral Media Arts Visual Arts	ADA 3M1 AMU 3M1 AMV 3M1 AVI 3M1	Drama Music Music - Vocal/Choral Visual Arts	ADA 4M1 AMU 4M1 AMV 4M1 AVI 4M1	Drama Music Music - Vocal/Choral Visual Arts
Business Studies (pg. 14-16)	BTT 101	Information & Communication Technology in Business	BBI 201	Introduction to Business	BAF 3M1 BDI 3C1 BTA 3O1	Financial Accounting Fund. Entrepreneurship: The Venture Info. & Communication Tech. - The Digital Environment	BAT 4M1 BTX 4C1	Financial Accounting Principles Info. & Communication Tech. - Multimedia Solutions
Canadian & World Studies (pg. 16-19) Geography History Law Politics	CGC 1D1 CGC 1P1	Issues in Canadian Geography Issues in Canadian Geography	CHC 2D1 CHC 2P1 CHV 2O5	Canadian History Since WWI Canadian History Since WWI Civics and Citizenship	CGG 3O1 CHW 3M1 CLU 3M1	Travel & Tourism: A Geographic Perspective World History to the End of the 15TH Century Understanding Canadian Law	CGW 4C1 CGW 4U1 CHI 4U1 CHY 4C1 CHY 4U1 CLN 4U1	World Issues: A Geographic Analysis (2014-15) World Issues: A Geographic Analysis (2014-15) Canada: History, Identity and Culture (2014-15) World History: Since the 15th Century (2015-16) World History: Since the 15th Century (2015-16) Canadian & Int'l Law
COMPUTER STUDIES (pg. 20)			ICS 201	Intro. to Computer Studies	ICS 3C1 ICS 3U1	Intro to Computer Programming Intro to Computer Science		
English (pg. 20-26)	ENG 1D1 ENG 1P1	English English	ENG 2D1 ENG 2P1	English English	ENG 3C1 ENG 3U1	English English	ENG 4C1 ENG 4U1 EWC 4C1 EWC 4U1	English English The Writer's Craft (2014-15) The Writer's Craft (2014-15)
FRENCH AS A SECOND LANGUAGE (pg. 27-28)	FSF 1D1 FSF 1P1	Core French Core French	FSF 2D1	Core French	FSF 3U1	Core French	FSF 4U1	Core French
Guidance and Career Ed. (pg. 28)			GLC 205	Career Studies				
Health and Physical Ed. (pg. 29-30)	PPL 10W PPL 10Y	Healthy Active Living-Girls Healthy Active Living-Boys	PAF 201 PPL 201	Personal and Fitness Activities (Co-ed) Healthy Active Living (Co-ed)	PAF 3O1 PAL 3O1 PPL 3O1	Personal Fitness Large-Group Activities (2014-15) Healthy Active Living (Co-ed)	PAI 4O1 PLF 4C1 PPL 4O1 PSE 4U1	Ind. & Small Gr Act. P.E.O.P.E.L. Rec. & Fitness Leadership (2014-15) Healthy Active Living (Co-ed) Exercise Science (2015-16)
Mathematics (pg. 30-32)	MFM 1P1 MPM 1D1	Foundations of Mathematics Principles of Mathematics	MFM 2P1 MPM 2D1	Foundations of Mathematics Principles of Mathematics	MBF 3C1 MCF 3M1 MCR 3U1 MEL 3E1	Foundations for College Math Functions & Applications Functions Mathematics for Work & Everyday Life	MAP 4C1 MCT 4C1 MCV 4U1 MDM 4U1 MEL 4E1 MHF 4U1	Foundations for College Math Math for College Tech. Calculus & Vectors Mathematics of Data Mgt Math for Work& Everyday Life Advanced Functions
NATIVE LANGUAGES (pg. 32-33)	LNO B01	Ojibwe	LNO C01	Ojibwe	LNO D01	Ojibwe	LNO E01	Ojibwe
Native Studies (pg. 33-34)					NBV 3C1	Aboriginal Beliefs		
Science (pg. 34-36)	SNC 1D1 SNC 1P1	Science Science	SNC 2D1 SNC 2P1	Science Science	SBI 3C1 SBI 3U1 SCH 3U1 SPH 3U1	Biology Biology Chemistry Physics	SBI 4U1 SCH 4C1 SCH 4U1 SPH 4C1 SPH 4U1	Biology Chemistry Chemistry Physics Physics
Social Science & Humanities (pg. 36-39)			HFN 201	Food and Nutrition	HNC 3C1 HPC 3O1 HPW 3C1	Understanding Fashion Raising Healthy Children Working with Infants & Young Children	HFA 4C1 HFA 4U1 HHS 4C1 HHS 4U1 HNB 4M1 HSB 4U1	Nutrition & Health Nutrition & Health Families in Canada (2015-16) Families in Canada (2015-16) The World of Fashion Challenge & Change in Society
Technological Education (pg. 39-46)	TIJ 101	Exploring Technologies	TCJ 201 THJ 201 TMJ 201 TTJ 201	Construction Technology Green Industries (Horticulture) Manufacturing Technology Transportation Technology	TCJ 3C1 TGG 3M1 THJ 3M1 TMJ 3C1 TTJ 3C1	Construction Technology Communications Tech. Print and Graphic Communications (Yearbook) Green Industries (Horticulture) Manufacturing Technology Transportation Technology	TCJ 4C1 TGG 4M1 THJ 4E1 TMJ 4C1 TTJ 4C1	Construction Technology Communications Tech. Print and Graphic Communications (Yearbook) Green Industries Manufacturing Technology Transportation Technology

Northern Collegiate Institute & Vocational School

940 Michigan Avenue,
Sarnia, Ontario N7S 2B1
Phone: 519-542-5545 Fax: 519-542-0571
northern.lkdsb.net

Since 1956, Northern Collegiate has existed to provide each student with an opportunity to maximize his/her individual potential, by providing a comprehensive and rigorous academic program, a diverse range of extra curricular activities, and a strong commitment to community partnerships.



As a larger school, Northern offers a full range of courses for the college, work force, and university bound student, supported by a caring staff, and state of the art facilities such as the new Science labs, the modern Family Studies classroom, and the renovated Developmentally Delayed classrooms.

Programs to support the academic achievements of students include: a "Student Success team", the "Back on Track" homework club, a Resource Department, Grade 10 Literacy Test prep., a grade 8 to 9 Transition Program, and an Enrichment Team.

Northern also offers a diverse range of athletics and extra curricular activities to support academic achievement including: a strong Arts program, competitive athletic teams and a variety of clubs.

Clubs and Activities

- Art Club
- Choir
- Concert and Jazz Bands
- Math Club
- Multi cultural Awareness Club (M.A.C.)
- Odyssey of the Mind
- Viking Soul
- Science Club
- Prom Committee
- Reach for the Top
- Student Council
- "Rough Draft Entertainment"
- Athletic Teams
- Yearbook Course
- Environmental Club

A Dual Credit Program is available where eligible Gr. 12 students may study college level courses while earning secondary school credits at the same time. See Student Services for eligibility criteria and other details.

Specialist High Skills Major Program is offered in the following sector:

Arts and Culture
Health and Wellness

See Student Services for details.

Principal: Gary Girardi
Vice Principals: Judy Garrett, Jim Stewart
Student Services: Mark Scott
Founding Year: 1956 Population: 1100
Colours: Red, White and Black
Team Name: Vikings

**Cooperative Education and
Interdisciplinary Studies**
Courses may be offered in Gr. 11 & 12.
See Student Services for details.

SUBJECT	GRADE 9		GRADE 10		GRADE 11		GRADE 12	
Arts (pg. 11-14) Drama Music Visual Arts	AMI 1O1 AVI 1O1	Instrumental Music - Band Visual Arts	ADA 2O1 AMG 2O1 AMI 2O1 AMV 2O1 AVI 2O1 AWA 2O1	Drama Guitar Music Instrumental Music - Band Music - Vocal/Choral Visual Arts Visual Arts-Crafts	ADA 3M1 AMG 3M1 AMH 3M1 AMI 3M1 AMV 3M1 AVI 3M1 AWC 3O1	Drama Music - Guitar Stage-Band Music Instrumental Music-Band Music - Vocal/Choral Visual Arts Visual Arts - Ceramics	ADA 4M1 AMG 4M1 AMH 4M1 AMI 4M1 AMV 4M1 ASM 4M1 AVI 4M1	Drama Music - Guitar Stage-Band Music Instrumental Music - Band Music - Vocal/Choral Media Arts Visual Arts
Business Studies (pg. 14-16)	BTT 1O1	Info. & Communication Technology in Business	BBI 2O1	Introduction to Business	BAF 3M1 BDI 3C1 BMI 3C1	Financial Accounting Fund. Entrepreneurship: The Venture Marketing: Goods, Services, Events	BAT 4M1 BDV 4C1 BOH 4M1	Financial Accounting Principles Entrepreneurship - Venture Plan. in an Elec. Age Business Leadership: Management Fundamentals
Canadian & World Studies (pg. 16-19) Geography History Law Politics	CGC 1D1 CGC 1DZ CGC 1P1	Issues in Canadian Geography Issues in Canadian Geography (Imm) Issues in Canadian Geography	CHC 2D1 CHC 2DZ CHC 2P1 CHV 2O5 CHV 2OZ	Canadian History Since WWI Canadian History Since WWI (Immersion) Canadian History Since WWI Civics and Citizenship Civics and Citizenship (Immersion)	CGF 3M1 CGG 3O1 CHA 3U1 CHT 3O1 CHW 3M1 CLU 3M1	Forces of Nature: Physical Processes & Disasters (2014-15) Travel & Tourism: A Geographic Perspective (2015-16) American History World History Since 1900: Global & Reg. Interactions (2014-15) World History to the End of the 15TH Century (2015-16) Understanding Canadian Law	CGR 4E1 CGW 4U1 CHI 4U1 CHM 4E1 CHY 4U1 CLN 4U1 CIA 4U1	Environment & Resource Mgt Canadian & World Issues-Geographic Analysis Canada: History, Identity & Culture Adventures in World History World History: Since the 15th Century Canadian & International Law Analysing Current Economic Issues
Classical st. & Inter. lang. (pg. 19)			LWS BD1	Spanish	LWS CU1	Spanish	LWS DU1	Spanish
Computer studies (pg. 20)			ICS 2O1	Intro. to Computer Studies	ICS 3C1 ICS 3U1	Intro to Computer Programming Intro to Computer Science	ICS 4C1 ICS 4U1	Computer Programming Computer Science
English (pg. 20-26)	ENG 1D1 ENG 1P1	English English	ENG 2D1 ENG 2P1	English English	EMS 3O1 ENG 3C1 ENG 3E1 ENG 3U1	Media Studies English English English	ENG 4C1 ENG 4E1 ENG 4U1 EWC 4U1	English English English The Writer's Craft
French as a Second Language (pg. 27-28)	FIF 1DZ FSF 1D1 FSF 1P1	French Immersion Core French Core French	FIF 2DZ FSF 2D1	French Immersion Core French	FIF 3UZ FSF 3U1	French Immersion Core French	FIF 4UZ FSF 4U1	French Immersion Core French
Guidance and Career Ed. (pg. 28)			GLC 2O5 GLC 2OZ	Career Studies Career Studies (Immersion)	GPP 3O1	Leadership & Peer Support		
Health and Physical Ed. (pg. 29-30)	PPL 1OW PPL 1OY	Healthy Active Living-Girls Healthy Active Living-Boys	PAF 2OW PAF 2OY PPL 2OW PPL 2OY	Personal/Fitness Act. -Girls Personal/Fitness Act. -Boys Healthy Active Living-Girls Healthy Active Living-Boys	PAF 3O1 PPL 3O1	Personal Fitness Healthy Active Living	PAF 4O1 PAI 4O1 PPL 4O1 PSE 4U1	Personal Fitness Ind. & Small Gr Act. P.E.O.P.E.L. Healthy Active Living Ed. Exercise Science
Mathematics (pg. 30-32)	MFM 1P1 MPM 1DZ MPM 1D1	Foundations of Mathematics Principles of Math (Imm) Principles of Mathematics	MFM 2P1 MPM 2D1 MPM 2DZ	Foundations of Mathematics Principles of Mathematics Principles of Math (Imm)	MBF 3C1 MCF 3M1 MCR 3U1 MEL 3E1	Foundations for College Math Functions & Applications Functions Mathematics for Work & Everyday Life	MAP 4C1 MCT 4C1 MCV 4U1 MDM 4U1 MEL 4E1 MHF 4U1	Foundations for College Math Math for College Tech. Calculus & Vectors Mathematics of Data Mgt Math for Work& Everyday Life Advanced Functions
Native Studies (pg. 33-34)					NBV 3C1	Aboriginal Beliefs		
Science (pg. 34-36)	SNC 1D1 SNC 1P1	Science Science	SNC 2D1 SNC 2P1	Science Science	SBI 3C1 SBI 3U1 SCH 3U1 SPH 3U1 SVN 3E1 SVN 3M1	Biology Biology Chemistry Physics Environmental Science Enviornmental Science	SBI 4U1 SCH 4C1 SCH 4U1 SPH 4C1 SPH 4U1	Biology Chemistry Chemistry Physics Physics
Social Science & Humanities (pg. 36-39)			HFN 2O1	Food and Nutrition	HNC 3C1 HPC 3O1 HPW 3C1 HSE 3E1 HSP 3C1 HSP 3U1 HZB 3M1	Understanding Fashion Raising Healthy Children Working with Infants & Young Children Equity, Div, & Social Justice Intro. to Anthro., Psych. & Sociology Intro. to Anthro., Psych. & Sociology Philosophy: The Big Question	HFA 4C1 HFA 4U1 HHS 4C1 HHS 4U1 HNB 4M1 HSB 4U1 HSB 4UZ HSE 4M1	Nutrition & Health Nutrition & Health Families in Canada Families in Canada The World of Fashion Challenge & Change in Society Challenge & Change (Immersion) Equity & Social Justice
Technological Education (pg. 39-46)	TIJ 1O1	Exploring Technologies	TCJ 2O1 TDJ 2O1 TGJ 2O1 TMJ 2O1 TTJ 2O1	Construction Technology Technological Design Communications Technology Manufacturing Technology Transportation Technology	TCJ 3C1 TDA 3M1 TDJ 3M1 TEJ 3M1 TGG 3M1 TGJ 3M1 TMJ 3C1 TTJ 3C1 TWJ 3E1	Construction Technology Tech. Design - Architecture Tech. Design & the Env. Computer Engineering Tech. Com. Tech. Print & Graphic Com. (Yearbook) Communications Technology Manufacturing Transportation Technology Custom Woodworking	TCJ 4C1 TDA 4M1 TDJ 4M1 TEJ 4M1 TGG 4M1 TGJ 4M1 TMJ 4C1 TTJ 4C1 TWJ 4E1	Construction Technology Tech. Design - Architecture Technological Design Computer Engineering Tech. Com. Tech. Print & Graphic Com. (Yearbook) Communications Technology Manufacturing Transportation Technology Custom Woodworking

Ridgetown District High School

Box 970, 9 Harold Street,
Ridgetown, Ontario N0P 2C0
Phone: 519-674-5449 Fax: 519-674-5171
rdhs.lkdsb.net **GRADE 11**



In addition to an Ontario Secondary School Diploma, students have the opportunity to experience all that high school years have to offer, including: competitive sports, clubs, the arts, travel and a chance to participate in a wide variety of activities.

- Artsfest
- Book Club
- Dances
- Drama Club
- Environmental Club
- French Ski Trip
- Gold Card Program
- Greenhouse
- Homework Club
- International School Trip
- Intramural Sports
- Key Club
- Perfect Attendance Program
- Quiz Show
- RDHS Excellence Program
- Relay for Life

- Sears Drama Production
- Spring League Basketball
- Stratford Field Trip
- Student Parliament
- Tractor Day
- Virtual Learning
- Varsity Sports
- Work Experience
- Yearbook

A Dual Credit Program is available where eligible Gr. 12 students may study college level courses while earning secondary school credits at the same time. See Student Services for eligibility criteria and other details.

Specialist High Skills Major Programs are offered in the following sectors:

- Agriculture
- Arts and Culture

See Student Services for details.

Principal: Mark Hunt
Student Services: Kathleen Osborne
Founding Year: 1883 Population: 350
Colours: Blue and White
Team Name: Royals

**Cooperative Education and
Interdisciplinary Studies**
Courses may be offered in Gr. 11 & 12.
See Student Services for details.

SUBJECT	GRADE 9		GRADE 10				GRADE 12	
Arts (pg. 11-14) Drama Visual Arts	ADA 101 AVI 101	Drama Visual Arts	ADA 201 AVI 201	Drama Visual Arts	ADA 3M1 ADA 3O1 AVI 3M1	Drama Drama Visual Arts	ADA 4E1 ADA 4M1 AVI 4M1	Drama Drama Visual Arts
Business Studies (pg. 14-16)	BTT 101	Information & Communication Technology in Business			BAF 3M1 BDI 3C1 BMI 3C1 BTA 3O1	Financial Accounting Fund. Entrepreneurship: The Venture Marketing: Goods, Services, Events Info. & Communication Tech. - The Digital Environment	BAT 4M1 BTX 4C1	Financial Accounting Principles Info. & Communication Tech. - Multimedia Solutions
Canadian & World Studies (pg. 16-19) Geography History Law Politics	CGC 1D1 CGC 1P1	Issues in Canadian Geography Issues in Canadian Geography	CHC 2D1 CHC 2P1 CHV 2O5	Canadian History Since WWI Canadian History Since WWI Civics and Citizenship	CHW 3M1 CLU 3E1 CLU 3M1	World History to End of the 15th Century Understanding Canadian Law in Everyday Life Understanding Canadian Law	CGW 4U1 CHI 4U1 CHY 4U1	Canadian and World Issues: A Geographic Analysis Canada: History, Identity & Culture World History: Since the 15th Century
Classical St. & Inter. Lang. (pg. 19) Spanish			LWS BD1	Spanish	LWS CU1	Spanish		
English (pg. 20-26)	ENG 1D1 ENG 1P1	English English	ENG 2D1 ENG 2P1	English English	ENG 3C1 ENG 3ED ENG 3U1	English English - Agricultural Focus English	ENG 4C1 ENG 4U1 EWC 4U1	English English The Writer's Craft
FRENCH AS A SECOND LANGUAGE (pg. 27-28)	FSF 1D1 FSF 1P1	Core French Core French	FSF 2D1 FSF 2P1	Core French Core French	FSF 3U1	Core French	FSF 4U1	Core French
Guidance and Career Ed. (pg. 28)	GLS 101	Learning Strategies: Skills for Success in Sec. School	GLC 2O5	Career Studies	GPP 3O1	Leadership & Peer Support		
Health and Physical Ed. (pg. 29-30)	PPL 1OY PPL 1OW	Healthy Active Living-Boys Healthy Active Living-Girls	PPL 2O1	Healthy Active Living	PAF 3O1 PPL 3O1	Personal Fitness Healthy Active Living	PSE 4U1 PPL 4O1	Exercise Science Healthy Active Living
Mathematics (pg. 30-32)	MPM 1D1 MFM 1P1	Principles of Mathematics Foundations of Mathematics	MPM 2D1 MFM 2P1	Principles of Mathematics Foundations of Mathematics	MBF 3C1 MCF 3M1 MCR 3U1 MEL 3ED	Foundations for College Math Functions & Applications Functions Mathematics for Work & Everyday Life (Agricultural)	MAP 4C1 MCT 4C1 MCV 4U1 MDM 4U1 MHF 4U1	Foundations for College Math Math for College Tech. Calculus & Vectors Mathematics of Data Mgt Advanced Functions
native languages (pg. 32-33)	LND AO1	Delaware	LND BO1	Delaware	LND CO1	Delaware	LND DO1	Delaware
Native Studies (pg. 33-34)					NBV 3C1 NBV 3E1	Aboriginal Beliefs Aboriginal Beliefs		
Science (pg. 34-36)	SNC 1D1 SNC 1P1	Science Science	SNC 2D1 SNC 2P1	Science Science	SBI 3C1 SBI 3U1 SCH 3U1 SPH 3U1	Biology Biology Chemistry Physics	SBI 4U1 SCH 4C1 SCH 4U1 SPH 4C1 SPH 4U1	Biology Chemistry Chemistry Physics Physics
Social Science & Humanities (pg. 36-39)			HFN 2O1	Food and Nutrition	HNC 3C1 HPC 3O1 HSP 3C1 HSP 3U1	Understanding Fashion Raising Healthy Children Intro. to Anthro., Psych. & Sociology Intro. to Anthro., Psych. & Sociology	HSB 4U1	Challenge & Change In Society
Technological Education (pg. 39-46)	TIJ 101	Exploring Technologies	TCJ 2O1 TEJ 2O1 TGJ 2O1 TTJ 2O1	Construction Technology Computer Technology Communications Technology Transportation Technology	TCJ 3C1 TEJ 3M1 TGJ 3M1 TGJ 3O1 THJ 3E1 THJ 3M1 TTJ 3C1	Construction Technology Computer Engineering Technology Communications Technology Communications Technology Green Industries Green Industries Transportation Technology	TCJ 4C1 TEJ 4M1 TGJ 4M1 TGJ 4O1 THJ 4E1 THJ 4M1 TTJ 4C1	Construction Technology Computer Engineering Technology Communications Technology Communications Technology Green Industries Green Industries Transportation Technology

Sarnia Collegiate Institute & Technical School

275 Wellington Street,
Sarnia, Ontario N7T 1H1
Phone: 519-336-6131 Fax: 519-336-0220
scits.lkdsb.net



Since 1922, Sarnia Collegiate Institute and Technical School has offered students a comprehensive program of academic, technical and fine arts courses. SCI&TS provides all the tools necessary to develop an excellent education with a solid foundation of academics and extra curricular activities. A strong sense

of school spirit and the excellent teaching staff make SCI&TS a unique environment for education. Sic Itur Ad Astra ("Reach for The Stars").

ACADEMICS

- Specialist High Skills Major - Arts and Culture
- Full range of courses to support all post-secondary pathways
- Enrichment opportunities
- Student Success Team
- French, Ojibwe and Spanish (Grades 9-12)
- Technology Department features
- Communications, Construction, Design, Manufacturing and Transportation

EXTRA-CURRICULAR ACTIVITIES

- Athletic Teams
- Choir
- Concert Bands and Jazz Bands

- Drama Club - B.E.S.T. Productions
- Intramurals
- P.A.I.R.S. (over 20 years)
- School Clubs
- SCITS Revue
- SCITS Stock
- Spirit Days
- SCITS Wellness
- Yearbook

SCHOOL FEATURES

- Breakfast Club
- 850 seat Auditorium - state of the art sound equipment
- 2 Gyms
- Newly Upgraded Weight Room and Library
- Swimming Pool

A Dual Credit Program is available where eligible Gr. 12 students may study college level courses while earning secondary school credits at the same time. See Student Services for eligibility criteria and other details.

Specialist High Skills Major Program is offered in the following sector:

- Arts and Culture

See Student Services for details.

Principal: Sean Keane
Vice Principal: Rhonda Leystra
Head of Student Services: Laurie Girard
Founding Year: 1922 Population: 700
Colours: Blue and White
Team Name: Blue Bombers

Cooperative Education and Interdisciplinary Studies

Courses may be offered in Gr. 11 & 12.
See Student Services for details.

SUBJECT	GRADE 9		GRADE 10		GRADE 11		GRADE 12	
Arts (pg. 11-14) Drama Music Visual Arts	AMI 101 AVI 101	Instrumental Music - Band Visual Arts	ADA 201 AMI 201 AMV 201 AVI 201 AWA 201	Drama Instrumental Music Band Music - Vocal/Choral Visual Arts Visual Arts - Crafts	ADA 3M1 AMI 3M1 AMV 3M1 AVI 3M1 AWD 3O1	Drama Instrumental Music - Band Music - Vocal/Choral Visual Arts Visual Arts - Visual Design	ADA 4M1 AEA 4O1 AMI 4M1 AMV 4M1 AVI 4M1	Drama Exploring & Creating the Arts Instrumental Music-Band Music - Vocal/Choral Visual Arts
Business Studies (pg. 14-16)	BTT 101	Information & Communication Technology in Business			BAF 3M1 BDI 3C1 BMK 3C1 BTA 3O1	Financial Accounting Fund. Entrepreneurship: The Venture Marketing Info. & Communication Tech. - The Digital Solution	BTX 4C1 BAN 4E1	Info. and Communication Tech. - Multimedia Solutions Accounting for Small Business
Canadian & World Studies (pg. 16-19) Geography History Law Politics	CGC 1D1 CGC 1P1 Geography	Issues in Canadian Issues in Canadian	CHC 2D1 CHC 2P1 CHV 2O5	Canadian History Since WWI Canadian History Since WWI Civics and Citizenship	CGG 3O1 CHA 3U1 CHW 3M1 CHT 3O1 Global & Reg. Interactions CLU 3E1 CLU 3M1	Travel & Tourism: A Geographic Perspective American History World History to the End of the 15TH Century World History Since 1900: Understanding Canadian Law in Everyday Life Understanding Canadian Law	CGR 4M1 CGW 4U1 CHI 4U1 CHM 4E1 CHY 4U1 CLN 4U1	Environment & Resource Mgt World Issues: A Geographic Analysis Canada: History, Identity & Culture (2015-16) Adventures in World History World History: Since the 15th Century (2014-15) Canadian & International Law
classical st. & inter lang. (pg. 19) Spanish			LWS BD1	Spanish	LWS CU1	Spanish	LWS DU1	Spanish
computer studies (pg. 20)			ICS 2O1	Intro. to Computer Studies	ICS 3C1	Intro to Computer Programming	ICS 4C1	Computer Programming
English (pg. 20-26)	ENG 1D1 ENG 1P1	English English	ENG 2D1 ENG 2P1	English English	EMS 3O1 ENG 3C1 ENG 3E1 ENG 3U1	Media Studies English English English	ENG 4C1 ENG 4E1 ENG 4U1 EWC 4C1 EWC 4U1	English English English The Writer's Craft The Writer's Craft
FRENCH AS A SECOND LANGUAGE (pg. 27-28)	FSF 1D1 FSF 1P1	Core French Core French	FSF 2D1 FSF 2P1	Core French Core French	FSF 3U1	Core French	FSF 4U1	Core French
Guidance and Career Ed. (pg. 28)			GLC 2O5	Career Studies	GPP 3O1	Leadership & Peer Support		
Health and Physical Ed. (pg. 29-30)	PPL 10W PPL 10Y	Healthy Active Living-Girls Healthy Active Living-Boys	PAF 2O1 PPL 2OW PPL 2OY	Personal & Fitness Activities (Co-ed) Healthy Active Living-Girls Healthy Active Living-Boys	PAF 3O1 PPL 3OW PPL 3OY	Fitness (Co-ed) Healthy Active Living-Girls Healthy Active Living-Boys	PAF 4O1 PAI 4O1 PLF 4C1 PPL 4O1 PSE 4U1	Fitness (Co-ed) Ind. & Small Gr Act. P.E.O.P.E.I.L. Rec. & Fitness Leadership Healthy Act. Liv. (Co-ed) Exercise Science
Mathematics (pg. 30-32)	MFM 1P1 MPM 1D1	Foundations of Mathematics Principles of Mathematics	MFM 2P1 MPM 2D1	Foundations of Mathematics Principles of Mathematics	MBF 3C1 MCF 3M1 MCR 3U1 MEL 3E1	Foundations for College Math Functions & Applications Functions Mathematics for Work & Everyday Life	MAP 4C1 MCT 4C1 MCV 4U1 MDM 4U1 MEL 4E1 MHF 4U1	Foundations for College Math Math for College Tech. Calculus & Vectors Mathematics of Data Mgt Math for Work& Everyday Life Advanced Functions
Native Languages (pg. 32-33)	LNOA/BO1	Ojibwe (1st and 2nd year)	LNO CO1	Ojibwe	LNO DO1	Ojibwe	LNO EO1	Ojibwe
Native Studies (pg. 33-34)					NBV 3C1	Aboriginal Beliefs		
Science (pg. 34-36)	SNC 1D1 SNC 1P1	Science Science	SNC 2D1 SNC 2P1	Science Science	SBI 3C1 SBI 3U1 SCH 3U1 SPH 3U1 SVN 3E1	Biology Biology Chemistry Physics Environmental Science	SBI 4U1 SCH 4C1 SCH 4U1 SNC 4E1 SPH 4C1 SPH 4U1	Biology Chemistry Chemistry Science Physics Physics
Social Science & Humanities (pg. 36-39)			HFN 2O1	Food and Nutrition	HFC 3M1 HNC 3C1 HPC 3O1	Food & Culture Understanding Fashion Raising Healthy Children	HFA 4C1 HFA 4M1 HHS 4C1 HHS 4U1 HNB 4M1 HSB 4U1	Nutrition & Health Nutrition & Health Families in Canada Families in Canada The World of Fashion Challenge & Change in Society
Technological Education (pg. 39-46)	TIJ 1O1	Exploring Technologies	TCJ 2O1 TDJ 2O1 TGJ 2O1 TMJ 2O1 TTJ 2O1	Construction Technology Technological Design Communications Technology Manufacturing Technology Transportation Technology	TCJ 3E1 TDJ 3M1 TGJ 3M1 TMJ 3C1 TMJ 3E1 TTJ 3C1 TWJ 3E1	Construction Technology Technological Design Communications Technology Manufacturing Technology Manufacturing Technology Transportation Technology Custom Woodworking	TCJ 4E1 TDJ 4M1 TGJ 4M1 TMJ 4C1 TMJ 4E1 TTJ 4C1 TWJ 4E1	Construction Technology Technological Design Communications Technology Manufacturing Technology Manufacturing Technology Transportation Technology Custom Woodworking

St. Clair Secondary School

340 Murphy Road,
Sarnia, Ontario N7S 2X1
Phone: 519-332-1140 Fax: 519-332-5039
<http://scss.lkdsb.net>



St. Clair

St. Clair Secondary is proud and “purple”. We have served the students of Sarnia and Lambton County for over fifty years since our opening in September, 1961.

ACADEMIC PROGRAMS

- Ontario Secondary School Diploma (OSSD)
- Apprenticeship, College, University, and Workplace Pathways
- Language Programs: French, Ojibwe, Spanish
- Arts Programs: Instrumental and Vocal Music, Drama, Visual Arts including Crafts, Ceramics, Drawing and Painting
- Dual Credit Programs – Partnership with Lambton College
- Specialist High Skills Majors:
 - Construction
 - Horticulture and Landscaping
 - Transportation
- English as a Second Language (ESL)
- Developmentally Delayed Program

SUPPORT PROGRAMS

- Special Education, Resource Room
- Student Success Room
- Credit Success – After School Homework Program
- Breakfast Program
- Guidance Services

CO-CURRICULAR PROGRAMS

- **Athletics:** Badminton, Basketball, Baseball, Cross Country, Football, Golf, Hockey, Intramurals, Rugby, Soccer, Swimming, Tennis, Track and Field, Triathlon, Volleyball, Wrestling
- **Arts:** art, concert band, jazz band, concert choir, Etcetera
- **Leadership:** Bully Blasters, Colt Crew, Colt Radio, Equity and Inclusion, Student Parliament, PAIRS
- **Clubs:** CORE, Key Club, Book Club, Photography Club
- **Special Events**
- Senior geography camping trip to the Bruce Peninsula
- Ski Trip to Vermont, USA
- International Trip
- Music Trip
- Colt Café
- Music Nights
- Musical
- St. Clair Idol
- School Dances including Prom



Principal: Paul Wiersma
Vice Principal: Melissa Mallette
Student Services: Susan Underwood
Founding Year: 1961 Population: 780
Colours: Purple and White
Team Name: Colts

**Cooperative Education and
Interdisciplinary Studies**
Courses may be offered in Gr. 11 & 12.
See Student Services for details.

SUBJECT	GRADE 9		GRADE 10		GRADE 11		GRADE 12	
Arts (pg. 11-14) Drama Music Visual Arts	AMI 101 AVI 101	Instrumental Music - Band Visual Arts	ADA 201 AMI 201 AMV 201 AVI 201 AWA 201	Drama Instrumental Music - Band Music - Vocal/Choral Visual Arts Visual Arts - Crafts	ADA 3M1 AMI 3M1 AMV 3M1 AVI 3M1 AWC 3O1	Drama Instrumental Music-Band Music - Vocal/Choral Visual Arts Visual Arts - Ceramics	ADA 4M1 AEA 4O1 AMI 4M1 AMV 4M1 AVI 4M1	Drama Exploring & Creating the Arts (Drawing and Painting) Instrumental Music - Band Music - Vocal/Choral Visual Arts
Business Studies (pg. 14-16)	BTT 101	Information & Communication Technology in Business	BBI 201	Introduction to Business	BAF 3M1 BDI 3C1 Venture	Financial Accounting Fund. Entrepreneurship: The	BAT 4M1 BDV 4C1	Financial Accounting Principles Entrepreneurship: Venture Plan. in an Electronic Age
Canadian & World Studies (pg. 16-19) Geography History Law Politics	CGC 1D1 CGC 1P1	Issues in Canadian Geography Issues in Canadian Geography	CHC 2D1 CHC 2P1 CHV 2O5	Canadian History Since WWI Canadian History Since WWI Civics & Citizenship	CGG 3O1 CHA 3U1 CHW 3M1 CLU 3E1 CLU 3M1	Travel & Tourism: A Geographic Perspective American History World History to the End of the 15TH Century Understanding Canadian Law in Everyday Life Understanding Canadian Law	CGW 4U1 CHI 4U1 CHY 4U1 CLN 4C1 CLN 4U1 CGR 4M1	World Issues: A Geographic Analysis Canada: History, Identity & Culture (2014-15) World History Since the 15th Century (2015-16) Legal Studies Canadian & International Law The Environment and Resource Management
Classical St. & Inter Lang. (pg. 19) Spanish			LWS BD1	Spanish	LWS CU1	Spanish	LWS DU1	Spanish
Computer Studies (pg. 20)			ICS 2O1	Intro. to Computer Studies	ICS 3C1 ICS 3U1	Intro to Computer Programming Intro to Computer Science	ICS 4C1 ICS 4U1	Computer Programming Computer Science
English (pg. 20-26)	ENG 1D1 ENG 1P1	English English	ENG 2D1 ENG 2P1	English English	EMS 3O1 ENG 3C1 ENG 3U1	Media Studies English English	ENG 4C1 ENG 4U1 EWC 4C1 EWC 4U1	English English Writer's Craft Writer's Craft
FRENCH AS A SECOND LANGUAGE (pg. 27-28)	FSF 1D1 FSF 1P1	Core French Core French	FSF 2D1	Core French	FSF 3U1	Core French	FSF 4U1	Core French
Guidance and Career Ed. (pg. 28)			GLC 2O5	Career Studies				
Health and Physical Ed. (pg. 29-30)	PPL 1OW PPL 1OY	Healthy Active Living-Girls Healthy Active Living-Boys	PAF 2OW PAF 2OY PPL 2OW PPL 2OY	Fitness-Girls Fitness-Boys Healthy Active Living-Girls Healthy Active Living-Boys	PAF 3O1 PAI 3O1 PPL 3O1	Fitness Individual & Small Group Activities (Weight Training) Healthy and Active Living	PAF 4O1 PAI 4O1 PLF 4C1 PPL 4O1 PSE 4U1	Fitness Individual & Small Group Activities P.E.O.P.E.L. Recreation and Fitness Leadership Healthy and Active Living Exercise Science
Mathematics (pg. 30-32)	MFM 1P1 MPM 1D1	Foundations of Mathematics Principles of Mathematics	MFM 2P1 MPM 2D1	Foundations of Mathematics Principles of Mathematics	MBF 3C1 MCF 3M1 MCR 3U1 MEL 3E1	Foundations for College Math Functions & Applications Functions Mathematics for Work & Everyday Life	MAP 4C1 MCT 4C1 MCV 4U1 MDM 4U1 MEL 4E1 MHF 4U1	Foundations for College Math Math for College Tech. Calculus & Vectors Mathematics of Data Mgt Math for Work & Everyday Life Advanced Functions
Native Languages (pg. 32-33)	LNO BO1	Ojibwe	LNO CO1	Ojibwe	LNO DO1	Ojibwe	LNO EO1	Ojibwe
Native Studies (pg. 33-34)					NBV 3C1	Beliefs, Values & Aspirations of Abor. Peoples in Cont. Soc.		
Science (pg. 34-36)	SNC 1D1 SNC 1P1	Science Science	SNC 2D1 SNC 2P1	Science Science	SBI 3C1 SBI 3U1 SCH 3U1 SPH 3U1 SVN 3E1	Biology Biology Chemistry Physics Environmental Science	SBI 4U1 SCH 4C1 SCH 4U1 SPH 4C1 SPH 4U1	Biology Chemistry Chemistry Physics Physics
Social Science & Humanities (pg. 36-39)			HFN 2O1	Food and Nutrition	HNC 3C1 HPC 3O1 HPW 3C1 HSP 3C1 HSP 3U1	Understanding Fashion Raising Healthy Children Working with Infants & Young Children Intro. to Anthropology Psychology & Sociology Intro. to Anthropology Psychology & Sociology	HFA 4C1 HFA 4U1 HHS 4C1 HHS 4U1 HNB 4M1 HSB 4U1	Nutrition & Health Nutrition & Health Families in Canada Families in Canada The World of Fashion Challenge & Change in Society
Technological Education (pg. 39-46)	TJ 101	Exploring Technologies	TCJ 2O1 TEJ 2O1 TDJ 2O1 TGJ 2O1 TTJ 2O1	Construction Technology Computer Technology Technological Design Communication Technology Transportation Technology	TCJ 3C1 TDJ 3M1 TEJ 3M1 TGJ 3M1 TGG 3M1 THH 3E1 TTJ 3C1	Construction Technology Technological Design Computer Engineering Tech. Communication Technology Communications Tech. Print & Graphic Com. (Yearbook) Green Industries (Horticulture) Transportation Technology	TCJ 4C1 TDJ 4M1 TEJ 4M1 TGJ 4M1 THH 4E1 TTJ 4C1	Construction Technology Technological Design Computer Engineering Tech. Communication Technology Green Industries (Horticulture) Transportation Technology

Tilbury District High School

97 Queen Street South
Tilbury, Ontario N0P 2L0
Phone: (519) 682-0751 Fax: (519) 682-0758
tdhs.lkdsb.net



"Your fame lasts forever"

Tilbury District High School is a community-oriented school that has proudly served the Tilbury area for over 60 years. Our small school size allows students to establish and maintain close friendships in a safe and caring learning environment.

ACADEMICS: Our goal is to provide a well-rounded education with a broad choice of programs.

- "Pathways to Success" includes Credit Recovery and School-to-Work Transition programs.
- Locally Developed as well as additional Guidance and Career Studies curriculum options offered
- Specialized teachers in focused curriculum areas
- Numerous facility upgrades

ATHLETICS: TDHS offers a wide variety of intramural and interschool sports.

- Hockey, badminton, cross-country, golf, track and field, basketball, volleyball and soccer
- Medals/championships won in a variety of sports
- Fitness/weight room facilities

CO-CURRICULAR ACTIVITIES:

- Students' Council, Drama Club, Yearbook, Athletic Association, Environmental Club, Science and Engineering Club, Peer Mentoring, Fashion Show, Concert Band, Vocal Ensemble, String Ensemble
- Numerous field trips to enhance academic

programs

- Enrichment opportunities extend beyond the classroom locally, provincially and internationally

COMMUNITY SUPPORT:

- Generous community support gives TDHS one of the best bursary/scholarship programs in the school district with over \$40,000 shared by graduates each year
- Dynamic Cooperative Education Program and OYAP Affiliation
- Student Exchange programs annually encourage and welcome students to and from other countries worldwide

A Dual Credit Program is available where eligible Gr. 12 students may study college level courses while earning secondary school credits at the same time.

Specialist High Skills Major Programs are offered in the following sectors:

- Construction
- Health and Wellness

See Student Services for eligibility criteria and other details.

Principal: Mary Mancini
Vice Principal: Barb Goldhawk
Student Services: Susen Dupuis
Founding Year: 1949 Population: 300
Colours: Black and Yellow Team Name: Titans

**Cooperative Education and
Interdisciplinary Studies**
Courses may be offered in Gr. 11 & 12.
See Student Services for details.

SUBJECT	GRADE 9		GRADE 10		GRADE 11		GRADE 12	
Arts (pg. 11-14) Drama Music Visual Arts	ALC 101	Integrated Arts	ADA 201 AMI 201 AVI 201	Drama Instrumental Music - Band Visual Arts	ADA 3M1 AMG 3M1 AMI 3M1 AVI 3M1	Drama Guitar Music Instrumental Music - Band Visual Arts	ADA 4M1 AMI 4M1 AVI 4M1	Drama (2015-16) Instrumental Music - Band (2015-16) Visual Arts
Business Studies (pg. 14-16)	BTT 101	Information and Communication Technology in Business	BBI 201	Introduction to Business	BAF 3M1 BDI 3C1 BMI 3C1	Financial Accounting Fund Entrepreneurship: The Venture Marketing Goods, Services, Events (2015-16)	BOH 4M1	Business Leadership: Management Fundamentals
Canadian & World Studies (pg. 16-19) Geography History Law Politics	CGC 1D1 CGC 1P1	Issues in Canadian Geography Issues in Canadian Geography	CHC 2D1 CHC 2P1 CHV 2O5	Canadian History Since WWI Canadian History Since WWI Civics and Citizenship	CGG 3O1 CHW 3M1 CLU 3M1	Travel and Tourism: A Geographic Perspective World History to the End of the 15th Century Understanding Canadian Law	CGW 4C1 CGW 4U1 CHY 4C1 CHY 4U1 CLN 4U1	World Issues World Issues World History: Since the 15th Century (2015-16) World History: Since the 15th Century (2015-16) Canadian & Int. Law
English (pg. 20-26)	ENG 1D1 ENG 1P1	English English	ENG 2D1 ENG 2P1	English English	EMS 3O1 ENG 3C1 ENG 3E1 ENG 3U1	Media Studies (2015-16) English English English	ENG 4C1 ENG 4E1 ENG 4U1	English English English
FRENCH AS A SECOND LANGUAGE (pg. 27-28)	FSF 1D1 FSF 1P1	Core French Core French	FSF 2D1	Core French	FSF 3U1	Core French		
Guidance and Career Ed. (pg. 28)			GLC 2O5	Career Studies	GPP 3O1	Leadership & Peer Support		
Health and Physical Ed. (pg. 29-30)	PPL 1OW PPL 1OY	Healthy Active Living-Girls Healthy Active Living-Boys	PAF 2OW PPL 2OY	Personal&Fitness-Girls Healthy Active Living-Boys	PAF 3OW PAF 3OY PPL 3OW PPL 3OY	Fitness - Girls Fitness - Boys Healthy Active Living-Girls Healthy Active Living-Boys	PAF 4OW PAF 4OY PLF 4C1 PPL 4OW PPL 4OY PSE 4U1	Fitness - Girls Fitness - Boys Rec. & Fitness Leadership (2015-16) Healthy Active Living-Girls Healthy Active Living-Boys Exercise Science
Mathematics (pg. 30-32)	MFM 1P1 MPM 1D1	Foundations of Mathematics Principles of Mathematics	MFM 2P1 MPM 2D1	Foundations of Mathematics Principles of Mathematics	MBF 3C1 MCF 3M1 MCR 3U1 MEL 3E1	Foundations for College Math Functions and Applications Functions Mathematics for Work & Everyday Life	MAP 4C1 MDM 4U1 MEL 4E1 MHF 4U1	Foundations for College Math Mathematics of Data Mgt Mathematics for Work & Everyday Life Advanced Functions
Native Studies (pg. 33-34)					NBV 3C1	Aboriginal Beliefs		
Science (pg. 34-36)	SNC 1D1 SNC 1P1	Science Science	SNC 2D1 SNC 2P1	Science Science	SBI 3C1 SBI 3U1 SCH 3U1 SPH 3U1 SVN 3E1	Biology Biology Chemistry Physics Environmental Science	SBI 4U1 SCH 4C1 SCH 4U1 SPH 4C1 SPH 4U1	Biology Chemistry Chemistry (2015-16) Physics Physics
Social Science & Humanities (pg. 36-39)			HFN 2O1	Food and Nutrition	HFC 3E1 HNC 3C1 HPC 3O1 HSE 3E1	Food & Culture Understanding Fashion Raising Healthy Children Equity, Diversity & Social Justice	HFA 4C1 HFA 4U1 HHS 4C1 HHS 4U1	Nutrition & Health Nutrition & Health Families in Canada Families in Canada
Technological Education (pg. 39-46)	TJ 101	Exploring Technologies	TCJ 2O1 TDJ 2O1 TGJ 2O1 TMJ 2O1	Construction Technology Technological Design Communications Technology Manufacturing Technology	TCJ 3C1 TDJ 3M1 TGJ 3M1 TMJ 3C1	Construction Technology Technological Design Communications Tech. Manufacturing Tech.	TCJ 4C1 TDJ 4M1 TGJ 4M1 TMJ 4C1	Construction Technology Technological Design Communications Tech. Manufacturing Technology
eLearning Courses						Consult with your Guidance Department for eLearning opportunities. BAT 4MV Financial Accounting Principles EWC 4UV The Writer's Craft FSF 4UV Core French HSB 4UV Challenge & Change in Society MCV 4UV Calculus & Vectors		

Wallaceburg District Secondary School

920 Elgin Street,
Wallaceburg, Ontario N8A 3E1
Phone: 519-627-3368 Fax: 519-627-3833
wdss.lkdsb.net



Home of the Tartans

Wallaceburg District Secondary School is a full service school to our community. We offer a wide range of programs to meet the individual needs of our students.

In Grades 9 and 10, students will choose from Academic, Applied, Open or Essential courses. In Grades 11 and 12, students will choose courses with a particular destination in mind: university, college or workplace. Students may also choose any of the open courses in Grades 11 and 12, which are of interest to them. WDSS also offers ABLE (Academics Based on Life Experiences) and DD (Developmentally Delayed) programs which focus on our special needs students.

W.D.S.S. also offers:

- Breakfast Program
- Enrichment Opportunities
- Independent Learning Credits (Adult Learning)
- Languages (French, Ojibwe, Spanish)
- OYAP (Ontario Youth Apprenticeship Program)
- Personal Support Worker Program (Certification)
- Swimming Pool
- Two Gyms
- Virtual Learning

Co-Curricular Activities

- Arts Club
- Arts Fest
- Badminton
- Basketball
- Hockey
- Musical
- Peer Helpers
- Reach for the Top

- Chess Club
- Computer Club
- Cross-Country
- Culture Club
- Curling
- DARE - Diversity, Awareness, Respect & Empathy
- Drama Club
- Environmental Club
- Fitness Centre
- Fly Tying & Fishing
- Football
- Future Elders
- Golf
- Skills Canada
- Soccer
- Student Athletic Association
- Track & Field
- Sears Drama Festival
- Student Parliament
- Swimming
- Tennis
- Volleyball
- Wellness Council
- Yearbook

A Dual Credit Program is available where eligible Gr. 12 students may study college level courses while earning secondary school credits at the same time. See Student Services staff for eligibility criteria and other details.

Specialist High Skills Major Program is offered in the following sector:

- Agriculture
- Arts and Culture
- Environment
- Health and Wellness
- Manufacturing

See Student Services for details.

Principal: Rob Lee
Vice Principals: Lisa MacDonald / Marc Coates
Student Services: Yvette Bowsher
Founding Year: 1947 Population: 750
Colours: Maroon and Grey
Team Name: Tartans

Cooperative Education and Interdisciplinary Studies
Courses may be offered in Gr. 11 & 12.
See Student Services for details.

SUBJECT	GRADE 9		GRADE 10		GRADE 11		GRADE 12	
Arts (pg. 11-14) Drama Music Visual Arts	ADA 101 AMU 101 AVI 101	Drama Music Visual Arts	ADA 201 AMU 201 AVI 201	Drama Music Visual Arts	ADA 3M1 ADA 3O1 AMU 3M1 AVI 3M1 AVI 3O1	Drama Drama Music Visual Arts Visual Arts	ADA 4M1 AEA 4O1 AMU 4M1 AVI 4M1	Drama Exploring & Creating the Arts Music Visual Arts
Business Studies (pg. 14-16)	BTT 101	Information & Communication Technology in Business	BBI 201	Introduction to Business	BAF 3M1 BDI 3C1	Financial Accounting Fundamentals Entrepreneurship: The Venture	BAF 4M1	Financial Accounting Fundamentals
Canadian & World Studies (pg. 16-19) Geography History Law Politics	CGC 1D1 CGC 1P1	Issues in Canadian Geography Issues in Canadian Geography	CHC 2D1 CHC 2P1 CHV 2O5	Canadian History Since WWI Canadian History Since WWI Civics and Citizenship	CGG 3O1 CHA 3U1 CLU 3M1	Travel & Tourism: A Geographic Perspective American History Understanding Canadian Law	CGU 4M1 CHI 4U1 CHY 4C1	Canadian & World Issues Canada: History, Identity & Culture World History: Since the 15th Century
Classical St. & Inter Lang. (pg. 19) Spanish			LWS BD1	Spanish	LWS CU1	Spanish	LWS DU1	Spanish
Computer Studies (pg 20)			ICS 2O1	Intro. to Computer Studies	ICS 3C1 ICS 3U1	Intro to Computer Programming Intro to Computer Science	ICS 4C1 ICS 4U1	Computer Programming Computer Science
English (pg. 20-26)	ENG 1D1 ENG 1L1 ENG 1P1	English English (Locally Developed) English	ENG 2D1 ENG 2L1 ENG 2P1	English English (Locally Developed) English	ENG 3C1 ENG 3E1 ENG 3U1	English English English	ENG 4C1 ENG 4E1 ENG 4U1	English English English
FRENCH AS A SECOND LANGUAGE (pg. 27-28)	FSF 1D1 FSF 1P1	Core French Core French	FSF 2D1	Core French	FSF 3U1	Core French	FSF 4U1	Core French
Guidance and Career Ed. (pg. 28)			GLC 2O5	Career Studies	GPP 3O1	Leadership & Peer Support		
Health and Physical Ed. (pg. 29-30)	PPL 1OW PPL 1OY	Healthy Active Living-Girls Healthy Active Living-Boys	PAF 2O1 PPL 2OW PPL 2OY	Personal and Fitness Activities (Co-ed) Healthy Active Living-Girls Healthy Active Living-Boys	PAF 3O1 PPL 3OW PPL 3OY	Personal and Fitness Activities (Co-ed) Healthy Active Living-Girls Healthy Active Living-Boys	PAF 4O1 PAI 4O1 PPL 4O1 PSE 4U1	Personal and Fitness Activities (Co-ed) Ind. & Small Gr Act. P.E.O.P.E.L. Healthy Active Living (Co-ed) Exercise Science
Mathematics (pg. 30-32)	MAT 1L1 MFM 1P1 MPM 1D1	Mathematics (Locally Developed) Foundations of Mathematics Principles of Mathematics	MAT 2L1 MFM 2P1 MPM 2D1	Mathematics (Locally Developed) Foundations of Mathematics Principles of Mathematics	MBF 3C1 MCF 3M1 MCR 3U1 MEL 3E1	Foundations for College Math Functions & Applications Functions Mathematics for Work & Everyday Life	MAP 4C1 MCT 4C1 MCV 4U1 MDM 4U1 MEL 4E1 MHF 4U1	Foundations for College Math Math for College Tech. Calculus & Vectors Mathematics of Data Mgt Math for Work & Everyday Life Advanced Functions
Native Languages (pg. 32-33)	LNO BO1	Ojibwe	LNO CO1	Ojibwe	LNO DO1	Ojibwe	LNO EO1	Ojibwe
Native Studies (pg. 33-34)			NAC 2O1	Aboriginal Peoples in Canada	NBV 3E1 NBV 3C1	Aboriginal Beliefs Aboriginal Beliefs	NDG 4M1	Aboriginal Governance: Emerging Directions
Science (pg. 34-36)	SNC 1D1 SNC 1L1 SNC 1P1	Science Science (Locally Developed) Science	SNC 2D1 SNC 2L1 SNC 2P1	Science Science (Locally Developed) Science	SBI 3C1 SBI 3U1 SCH 3U1 SPH 3U1 SVN 3M1	Biology Biology Chemistry Physics Environmental Science	SBI 4U1 SCH 4C1 SCH 4U1 SPH 4C1 SPH 4U1	Biology Chemistry Chemistry Physics Physics
Social Science & Humanities (pg. 36-39)			HFN 2O1	Food and Nutrition	HLS 3O1 HNC 3C1 HPC 3O1 HSP 3C1 HJB 3M1	Housing & Home Design Understanding Fashion Raising Healthy Children Intro. to Anthropology, Psychology & Sociology Philosophy: The Big Question	HFA 4U1 HFL 4E1 HPD 4C1 HSB 4U1 HHS 4U1	Nutrition and Health Food and Healthy Living Working with School Aged Children & Adolescents Challenge & Change in Society Families in Canada
Technological Education (pg. 39-46)	TJ 101	Exploring Technologies	TCJ 2O1 TDJ 2O1 TGJ 2O1 TMJ 2O1 TPJ 2O1 TTJ 2O1	Construction Technology Technological Design Communications Technology Manufacturing Technology Health and Personal Services Technology Transportation Technology	TCJ 3C1 TDJ 3O1 TDJ 3M1 TFJ 3E1 TGG 3M1 TMJ 3C1 TMJ 3E1 TMW 3E1 TPJ 3C1 TTJ 3C1 TWJ 3E1	Construction Technology Technological Design Technological Design Hospitality & Tourism Communications Technology Print & Graphic Communications (Yearbook) Manufact. Engineer. Tech. (Mach.) Manufacturing Tech. Manufacturing Tech.: Welding Healthcare Transportation Technology Custom Woodworking	TCJ 4C1 TDJ 4O1 TDJ 4M1 TGG 4M1 TMJ 4C1 TMJ 4E1 TOJ 4C1 TPJ 4C1 TTJ 4C1 TWJ 4E1	Construction Technology Technological Design Technological Design Communications Technology Print & Graphic Communications (Yearbook) Manufact. Engineer. Tech. (Mach.) Manufacturing Tech. Child Development & Gerontology Healthcare Transportation Tech. Custom Woodworking

ELD EO1 Level Five

This course provides students with skills and strategies that will allow them to continue their education successfully and pursue pathways to employment that may involve apprenticeships and/or cooperative education programs. Students will communicate orally and in writing on a variety of topics; perform a variety of independent reading and writing tasks; interpret and create media texts; and use a range of media and community resources. This course also expands the critical thinking skills students will need in order to contribute to Canadian society as informed citizens.

PREREQUISITE: ELD DO1 or equivalent

(continued on page 28)

ESL AO1 Level One

This course builds on students' previous education and language knowledge to introduce them to the English language and help them adjust to the diversity in their new environment. Students will use beginning English language skills in listening, speaking, reading, and writing for everyday and essential academic purposes. They will engage in short conversations using basic English language structures and simple sentence patterns; read short adapted texts; and write phrases and short sentences. The course also provides students with the knowledge and skills they need to begin to adapt to their new lives in Canada.

ESL BO1 Level Two

This course extends students' listening, speaking, reading, and writing skills in English for everyday and academic purposes. Students will participate in conversations in structured situations on a variety of familiar and new topics; read a variety of texts designed or adapted for English language learners; expand their knowledge of English grammatical structures and sentence patterns; and link English sentences to compose paragraphs. The course also supports students' continuing adaptation to the Ontario school system by expanding their knowledge of diversity in their new province and country. PREREQUISITE: ESL AO1 or equivalent

ESL CO1 Level Three

This course further extends students' skills in listening, speaking, reading, and writing in English for a variety of everyday and academic purposes. Students will make short classroom oral presentations; read a variety of adapted and original texts in English; and write using a variety of text forms. As well students will expand their academic vocabulary and their study skills to facilitate their transition to the mainstream school program. This course also introduces students to the rights and responsibilities inherent in Canadian citizenship, and to a variety of current Canadian issues. PREREQUISITE: ESL BO1 or equivalent

ESL DO1 Level Four

This course prepares students to use English with increasing fluency and accuracy in classroom and social situations and to participate in Canadian society as informed citizens. Students will develop the oral-presentation, reading, and writing skills required for success in all school subjects. They will extend listening and speaking skills through participation in discussions and seminars; study and interpret a variety of grade-level texts, write narratives, articles, and summaries in English; and respond critically to a variety of print and media texts. PREREQUISITE: ESL CO1 or equivalent

ESL EO1 Level Five

This course prepares students with the skills and strategies they need to make the transition to college and university preparation courses in English and other secondary school disciplines. Students will be encouraged to develop independence in a range of academic tasks. They will participate in debates and lead classroom workshops; read and interpret literary works and academic texts; write essays, narratives and reports; and apply a range of learning strategies and research skills effectively. Students will further develop their ability to respond critically to print and media texts. PREREQUISITE: ESL DO1 or equivalent

FRENCH AS A SECOND LANGUAGE

FIF 1DZ French (Immersion)

This course provides opportunities for students to speak and interact in French independently in a variety of real-life and personally relevant contexts. Students will develop their ability to communicate in French with confidence by using language-learning strategies introduced in the elementary French Immersion program. Students will enhance their knowledge of the language through the study of French-Canadian literature. They will also continue to increase their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary to become life-long language learners.

FSF 1D1 Core French

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

FSF 1P1 Core French

This course provides opportunities for students to communicate and interact in French in structured situations on everyday topics and to apply their knowledge of French in everyday situations. Students will continue to develop language knowledge and skills introduced in the elementary Core French program, through practical applications and concrete examples, and will use creative and critical thinking skills in various ways. They will also enhance their understanding and appreciation of diverse French-speaking communities, and will develop the skills necessary to become life-long language learners.

FIF 2DZ French (Immersion)

This course provides students with extensive opportunities to communicate, interact, and think critically and creatively in French. Students will use a variety of language-learning strategies in listening, speaking, reading, and writing, and will respond to and interact with print, oral, visual, and electronic texts. Students will develop their knowledge of the French language through the study of contemporary and historically well-known French European literature. They will also continue to increase their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary to become life-long language learners.

PREREQUISITE: FIF 1DZ

FSF 2D1 Core French

This course provides opportunities for students to communicate in French about personally relevant, familiar, and academic topics in real-life situations with increasing independence. Students will exchange information, ideas, and opinions with others in guided and increasingly spontaneous spoken interactions. Students will continue to develop their language knowledge and skills through the selective use of strategies that contribute to effective communication. They will also increase their understanding and appreciation of diverse French-speaking communities, and will continue to develop the skills necessary to become life-long language learners.

PREREQUISITE: FSF 1D1 or FSF 1P1

FSF 2P1 Core French

This course provides opportunities for students to communicate in French about everyday matters and topics of personal interest in real-life situations. Students will exchange information, ideas, and opinions with others in structured, guided, and increasingly spontaneous spoken interactions. Students will continue to develop their language knowledge and skills through the consolidation of language-learning strategies for interpreting texts and communicating clearly. They will also increase their understanding and appreciation of diverse French-speaking communities, and will continue to develop the skills necessary to become life-long language learners.

PREREQUISITE: FSF 1D1 or FSF 1P1

FSF 3O1 Core French

This course provides opportunities for students to speak and interact in French in real-life situations. Students will continue to develop their communication skills, making connections to previous experiences and using newly acquired language knowledge and skills. They will also continue to increase their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary for life-long language learning.

PREREQUISITE: FSF 2D1 or FSF 2P1

FIF 3UZ French (Immersion)

This course provides opportunities for students to consolidate the communication skills required to speak and interact with increasing confidence and accuracy in French in a variety of academic and social contexts. Students will apply language-learning strategies while exploring a variety of concrete and abstract topics, and will increase their knowledge of the language through the study of French literature from around the world. They will also continue to deepen their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary to become life-long language learners.

PREREQUISITE: FIF 2DZ

FSF 3U1 Core French

This course offers students extended opportunities to speak and interact in real-life situations in French with greater independence. Students will develop their creative and critical thinking skills through responding to and exploring a variety of oral and written texts. They will continue to broaden their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary for life-long language learning.

PREREQUISITE: FSF 2D1

FIF 4UZ French (Immersion)

This course provides students with extensive opportunities to communicate, interact, and think critically and creatively in French. Students will consolidate language-learning strategies and apply them while communicating about concrete and abstract topics, and will independently respond to and interact with a variety of oral and written texts. Students will study a selection of French literature from the Middle Ages to the present. They will also continue to enrich their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary to become life-long language learners.

PREREQUISITE: FIF 3UZ

FSF 4U1 Core French

This course provides extensive opportunities for students to speak and interact in French independently. Students will apply language-learning strategies in a wide variety of real-life situations, and will continue to develop their creative and critical thinking skills through responding

to and interacting with a variety of oral and written texts. Students will also continue to enrich their understanding and appreciation of diverse French-speaking communities and to develop the skills necessary for life-long language learning.

PREREQUISITE: FSF 3U1

GUIDANCE AND CAREER EDUCATION

GLE 101 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.

GLS 101 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.

GLC 205 Career Studies

This half credit 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 post-secondary 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.

GLC 20Z Career Studies (Immersion)

The language of instruction for this course is French. The objectives, content, teaching strategies and evaluation are identical to those of the regular Grade 10 Career Studies course taught in English. For a descriptor, please see GLC 205.

GLD 201 Discovering the Workplace

This course provides students with opportunities to discover and develop the workplace essential skills and work habits required to be successfully employed, and helps students make plans for continued learning and work. Students will develop an understanding of work through practical hands-on experiences in the school

and in the community, using real workplace materials. Students will investigate occupations of interest through experiential learning opportunities, such as worksite visits, job shadowing, work experience, simulations, and entrepreneurial projects. This course helps students make plans for continued learning and work.

GPP 301 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.

GWL 301 Designing Your Future

This course prepares students to make successful transitions to postsecondary destinations as they investigate specific postsecondary options based on their skills, interests, and personal characteristics. Students will explore the realities and opportunities of the workplace and examine factors that affect success, while refining their job-search and employability skills. Students will develop their portfolios with a focus on their targeted destination and develop an action plan for future success. Prerequisite: None

GLN 401 Navigating the Workplace

This course provides students with opportunities to develop the workplace skills and work habits required for success in all types of workplaces. Students will explore occupations and careers of interest through participation in real workplace experiences. They will make plans for continued learning and work, work with others to design learning experiences, and investigate the resources and support required to make a smooth transition to their post-secondary destination.

HEALTH AND PHYSICAL EDUCATION

PPL 10W (Girls), PPL 10Y (Boys), PPL 10Z Immersion Co-ed) Healthy Active Living Education

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.

PPL 201 Healthy Active Living Education

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.

Note: The following courses have the same expectations as in PPL 2O1 but within a specific program area of focus.

i) PAF 2O1 (Co-ed), PAF 2OW (Girls), PAF 2OY (Boys), Personal and Fitness Activities

The focus of this course is on personal fitness, weight control, healthy lifestyle, and nutrition.

ii) PAL 2O1 (Co-ed) Large Group Activities

The focus of this course is on team skills and training within a large group activity, such as hockey, football, racquet sports, etc.

iii) PPL 2OW (Girls), PPL 2OY (Boys) Healthy Active Living Education

The focus of this course is on a variety of physical activities.

PPL 3O1 Healthy Active Living Education (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, coping, social, and interpersonal skills. Students will also study the components of healthy relationships, reproductive health, mental health, and personal safety.

Note: The following courses have the same expectations as in PPL 3O1 but within a specific program area of focus.

i) PAF 3O1 (Co-ed), PAF 3OW (Girls), PAF 3OY (Boys) Personal and Fitness Activities

The focus of this course is on weight training, cross-country running, swimming, aerobics, and fitness training.

ii) PAI 3O1 Individual and Small Group Activities

The focus of this course is on individual and small group activities such as racquet sports, swimming, fitness, and weight training etc.

iii) PAL 3O1 (Co-ed) Large Group Activities

The focus of this course is on team skills and training within a large group activity, such as hockey, football, racquet sports, etc.

iv) PPL 3OW (Girls), PPL 3OY (Boys) Healthy Active Living Education

The focus of this course is on a variety of physical activities.

PPZ 3O1 Health for Life

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.

PPL 4O1 Healthy Active Living Education (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.

Note: The following courses have the same expectations as in PPL 4O1 but within a specific program area of focus.

i) PAF 4O1 (Co-ed), PAF 4OW (Girls), PAF 4OY (Boys) Personal and Fitness Activities

The focus of this course is on physical fitness with an emphasis on cardiovascular endurance, aerobics, and weight training.

ii) PAI 4O1 Individual and Small Group Activities, P.E.O.P.E.L. PROGRAM

The focus of this course is on physical education programs for exceptional students. Participants (peer tutors) will be matched with an exceptional student and will work with that student on a one-to-one basis. PREREQUISITE: Any one of PPL 3O1, PPZ 3O1, or PPL 4O1

iii) PPL 4OW (Girls), PPL 4OY (Boys) Healthy Active Living Education

The focus of this course is on a variety of sports and recreational activities.

PLF 4C1 Recreation and Fitness Leadership

This course focuses on the development of leadership and co-ordination 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. This course will prepare students for college programs in recreational, leisure, and fitness leadership.

PREREQUISITE: Any one of PPL 3O1, PPZ 3O1, PPZ 3C1 or PPL 4O1

PSE 4U1 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.

PREREQUISITE: Any one of PPL 3O1, PPZ 3O1, SBI 3C1, SBI 3U1, SCH 3U1, SNC 3M1, SPH 3U1 or PPL 4O1

MATHEMATICS

MAT 1L1 Mathematics (Locally Developed)

This course emphasizes further development of mathematical knowledge and skills to prepare students for success in their everyday lives, in the workplace, and in Grade 10 LDCC courses. The course is organized in three strands related to money sense, measurement, and proportional reasoning. In all strands, the focus is on developing and consolidating key mathematical concepts and skills by solving authentic, everyday problems. Students have opportunities to further develop their mathematical literacy and problem-solving skills and to continue developing their skills in reading, writing, and oral language through relevant and practical math activities.

MFM 1P1 Foundations of Mathematics

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.

MPM 1D1 Principles of Mathematics

This course enables students to develop 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.

MPM 1DZ Principles of Mathematics (Immersion)

The language of instruction for this course is French. The objectives, content, teaching strategies and evaluation are identical to those of the regular Grade 9 Mathematics course taught in English. For a descriptor, refer to MPM 1D1.

MAT 2L1 Mathematics (Locally Developed)

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

PREREQUISITE: MAT 1L1 or MFM 1P1

MFM 2P1 Foundations of Mathematics

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.

PREREQUISITE: MFM 1P1 or MPM 1D1

MPM 2D1 Principles of Mathematics

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.

PREREQUISITE: MPM 1D1

MPM 2DZ Principles of Mathematics (Immersion)

The language of instruction for this course is French. The objectives, content, teaching strategies and evaluation are identical to those of the regular Grade 10 Mathematics course taught in English. For a descriptor, refer to MPM 2D1.

MBF 3C1 Foundations for College Mathematics

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

PREREQUISITE: MFM 2P1

MCF 3M1 Functions and Applications

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 financial and trigonometric applications. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

PREREQUISITE: MFM 2P1 or MPM 2D1

MCR 3U1 Functions

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

PREREQUISITE: MPM 2D1

MEL 3E1 Mathematics for Work and Everyday Life

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

PREREQUISITE: MFM 1P1, MPM 1D1 or MAT 2L1 Note: The following course has the same expectations as MEL 3E1 but within a specific area of focus.

i) MEL 3ED

This course focuses on applications in agriculture.

MAP 4C1 Foundations for College Mathematics

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; simplify expressions; and solve equations. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for college programs in areas such as business, health sciences, and human services, and for certain skilled trades.

PREREQUISITE: MBF 3C1 or MCF 3M1

MCT 4C1 Mathematics for College Technology

This course enables students to extend their knowledge of functions. Students will investigate and apply properties of polynomial, exponential, and trigonometric functions; continue to represent functions numerically, graphically, and algebraically; develop facility in simplifying expressions and solving equations; and solve problems that address applications of algebra, trigonometry, vectors, and geometry. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for a variety of college technology programs.

PREREQUISITE: MCF 3M1 or MCR 3U1

MCV 4U1 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, rational, exponential, and sinusoidal 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 plan to study mathematics in university and who may choose to pursue careers in fields such as physics and engineering.

PREREQUISITE: MHF 4U1

MDM 4U1 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 project that integrates statistical concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. Students planning to enter university programs in business, the social sciences, and the humanities will find this course of particular interest.

PREREQUISITE: MCF 3M1 or MCR 3U1

MEL 4E1 Mathematics for Work and Everyday Life

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

PREREQUISITE: MEL 3E1

MHF 4U1 Advanced Functions

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

PREREQUISITE: MCR 3U1 or MCT 4C1

NATIVE LANGUAGES

DELAWARE

LND AO1 Delaware - Level One

This course is for students who have little or no background in Delaware. This course introduces students to language elements they will need to begin to communicate with native speakers. Students will participate in practical activities in which they can apply their knowledge and skills, and will begin to explore careers that require knowledge of the language of study. They will explore aspects of the culture of countries where the language under study is spoken, including social customs, music, and food, by participating in cultural events and activities involving both print and technological resources.

LND BO1 Delaware - Level Two

This course is for students who have studied Delaware for at least four years in elementary school or have completed LND AO1. This course provides students with opportunities to further develop their oral communication skills in the language of study, increase their confidence in using the language in practical situations, and continue to investigate related career opportunities. Students will be involved in activities that promote the use of the language in real-life situations. They will also continue their exploration of the culture of countries where the language

under study is spoken. Although students will continue to expand their vocabulary and repertoire of language structures, the language they will use at this level will still be simple.

LND CO1 Delaware - Level Three

This Grade 10 course is for students who have taken LND BO1 and is an opportunity to expand their knowledge of a Native language, and of Native philosophy, spirituality, and values, and to enhance their identity and self-worth. Students will communicate by using a variety of phrases and expressions, create short conversations, skits, stories, and narratives, use information technology, and develop an awareness of the structural and functional workings of a Native language.

PREREQUISITE: LND AO1 or LND BO1

LND DO1 Delaware - Level Four

This course will provide students with opportunities to further develop their knowledge of the Delaware language and of Native philosophy, spirituality, and values, to enhance their sense of identity and self-worth. Students will increase their vocabulary and their facility in using idioms, and will use the Native Language to analyse literature, discuss various issues that affect the local community, and exchange information electronically.

PREREQUISITE: LND CO1

OJIBWE

LNO AO1 Ojibwe - Level One

This course is for students who have little or no background in Ojibwe. This course introduces students to language elements they will need to begin to communicate with native speakers. Students will participate in practical activities through which they can apply their knowledge and skills, and will begin to explore careers that require knowledge of the language of study. They will explore aspects of the culture of countries where the language under study is spoken, including social customs, music, and food, by participating in cultural events and activities involving both print and technological resources.

LNO BO1 Ojibwe - Level Two

This course is for students who have studied Ojibwe for at least four years in elementary school or have completed LNO AO1. This course provides students with opportunities to further develop their oral communication skills in the language of study, increase their confidence in using the language in practical situations, and continue to investigate related career opportunities. Students will be involved in activities that promote the use of the language in real-life situations. They will also continue their exploration of the culture of countries where the language under study is spoken. Although students will continue to expand their vocabulary and repertoire of language structures, the language they will use at this level will still be simple.

LNO CO1 Ojibwe - Level Three

This Grade 10 course is for students who have taken LNO BO1 and is an opportunity to expand their knowledge of a Native language and of Native philosophy, spirituality, and values, and to enhance their identity and self-worth. Students will communicate by using a variety of phrases and expressions, create short conversations, skits, stories, and narratives, use information technology, and develop an awareness of the structural and functional workings of a Native language.

PREREQUISITE: LNO AO1 or LNO BO1

LNO DO1 Ojibwe - Level Four

This Grade 11 course will provide students with opportunities to further develop their knowledge of a Native language and of Native philosophy, spirituality, and values, and to enhance their sense of identity and self-worth. Students will increase their vocabulary and their facility in using idioms, and will use the Native language to analyse literature, discuss various issues that affect the local community, and exchange information electronically.

PREREQUISITE: LNO CO1

LNO EO1 Ojibwe - Level Five

This Grade 12 course provides students with opportunities to increase their knowledge of Ojibwe and its culture. Students will increase their vocabulary; use complex language structures and formal language; and use Ojibwe to analyse literature, discuss issues (e.g. Ojibwe economic development, personal development), and study Native customs, traditions, and world views. They will examine differences in dialects while communicating with others electronically.

PREREQUISITE: LNO DO1

NATIVE STUDIES

NAC 201 First Nations, Métis, and Inuit Peoples in Canada

This course explores First Nations, Métis, and Inuit peoples' relationships with Canada from pre-contact to the 21st century. Students will examine social, economic, political and military interactions that impact the contemporary realities of Aboriginal people in Canada in relation to identity, culture, community, land, and governance. Students will explore their own and others' ideas using the historical inquiry process to think critically and respond responsibly about civic questions raised today as a result of the changing relationships.

NBV 3C1 Beliefs, Values and Aspirations of Aboriginal Peoples in Contemporary Society

This course focuses on the diverse beliefs, values, and aspirations between First Nations, Métis, and Inuit peoples of Canada and the political, economic, cultural and social challenges facing Aboriginal individuals and communities from various regions and cultures. By examining their own beliefs, values and assumptions,

the worldviews of others and factors that influence world views, students will appreciate how traditional and contemporary beliefs and values influence present and future aspirations of Aboriginal peoples.

PREREQUISITE: CHC 2D1, CHC 2P1 or NAC 2O1

NBV 3E1 Beliefs, Values and Aspirations of Aboriginal Peoples in Contemporary Society

This course focuses on the diverse beliefs, values, and aspirations between First Nations, Métis, and Inuit peoples of Canada. Students will examine issues of identity facing Aboriginal individuals and communities in connection to changing relationships with the land, nature, one another and Canada. By examining their own worldview and investigating factors that influence perspectives over time, students will develop their understanding of how traditional and contemporary beliefs and values influence present and future aspirations of Aboriginal peoples.

PREREQUISITE: CHC 2D1, CHC 2P1 or NAC 2O1

NDA 3M1 Current Aboriginal Issues in Canada

This course focuses on existing and emerging issues of national and regional importance of concern to Aboriginal peoples in Canada. Students will analyse diverse perspectives from a variety of sources such as media, academic works and public opinion polls on events and developments related to land, community, governance, identity and culture. Using political thinking concepts and the political inquiry process students will explore their own and others' ideas, investigate an issue to determine what needs to change, why and appropriate problem-solving strategies.

PREREQUISITE: CHC 2D1, CHC 2P1 or NAC 2O1

NDG 4M1 Aboriginal Governance: Emerging Directions

This course explores various aspects of First Nations, Métis and Inuit leadership, nationhood, and governance. Students will examine how First Nations, Métis, and Inuit peoples relate to and negotiate with the government of Canada and other organizations including how traditional beliefs, values and cultures inform models of governance. Students will reflect on their own ideas of civic, economic and cultural leadership as they learn about how individual and community Aboriginal leaders are revitalizing and strengthening their communities.

PREREQUISITE: CGF 3M1, HPW 3C1, HSP 3U1, HSP 3C1, NBV 3C1, NDA 3M1

NDW 4M1 Issues of Indigenous Peoples in a Global Context

This course examines historical and contemporary issues of concern to Indigenous peoples from a global perspective. Students will explore the richness, depth, and diversity of Indigenous cultures, traditions and knowledge. They will consider how diverse Indigenous communities persevere despite recent global environmental and

economic trends. Topics such as identity, social justice, human rights and abuses, spirituality, resistance and protest for change will be investigated.
PREREQUISITE: CGF 3M1, HPW 3C1, HSP 3U1, HSP 3C1, NBV 3C1, NDA 3M1

SCIENCE

SNC 1D1 Science

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.

SNC 1DZ Science (Immersion)

The language of instruction for this course is French. The objectives, content, teaching strategies, and evaluation are identical to those of the regular Grade 9 Science course taught in English. For a descriptor, refer to SNC 1D1.

SNC 1L1 Science (Locally Developed)

This course emphasizes reinforcing and strengthening science-related knowledge and skills, including scientific inquiry, critical thinking, and the relationship between science, society and the environment, to prepare students for success in everyday life, in the workplace and in senior workplace level science courses. Students explore a range of topics, including science in daily life, properties of common materials, life-sustaining processes in simple and complex organisms, and electrical circuits. Students have the opportunity to extend mathematical and scientific process skills and to continue developing their skills in reading, writing and oral language through relevant and practical science activities.

SNC 1P1 Science

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.

SNC 2D1 Science

This course enables students to enhance their understanding of concepts in biology, chemistry, earth and space science, and physics, and of the interrelationships between science, technology, society, and the environment. Students are also given opportunities to further develop their scientific investigation skills. Students will plan and conduct investigations and develop their understanding of scientific theories related to the connections between cells and systems in animals and plants; chemical reactions, with a particular focus on acid–base reactions; forces that affect climate and climate change; and the interaction of light and matter.
PREREQUISITE: SNC 1D1 or SNC 1P1

SNC 2L1 Science (Locally Developed)

This course emphasizes reinforcing and strengthening science-related knowledge and skills, including scientific inquiry, critical thinking and the environmental impact of science and technology, to prepare students for success in everyday life, in the workplace, and in senior workplace level science courses. Students explore a range of topics, including science in the media, interactions of common materials, interdependence of organisms in communities, and using electrical energy. Students have the opportunity to extend mathematical and scientific process skills and to continue developing their skills in reading, writing and oral language through relevant and practical science activities.
PREREQUISITE: SNC 1L1 or SNC 1P1

SNC 2P1 Science

This course enables students to develop a deeper understanding of concepts in biology, chemistry, earth and space science, and physics, and to apply their knowledge of science in real-world situations. Students are given opportunities to develop further practical skills in scientific investigation. Students will plan and conduct investigations into everyday problems and issues related to human cells and body systems; chemical reactions; factors affecting climate change; and the interaction of light and matter.
PREREQUISITE: SNC 1D1 or SNC 1P1

SBI 3C1 Biology

This course focuses on the processes that occur in biological systems. Students will learn concepts and theories as they conduct investigations in the areas of cellular biology, microbiology, genetics, the anatomy of mammals, and the structure of plants and their role in the natural environment. Emphasis will be placed on the practical application of concepts, and on the skills needed for further study in various branches of the life sciences and related fields.
PREREQUISITE: SNC 2D1 or SNC 2P1

SBI 3U1 Biology

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

PREREQUISITE: SNC 2D1

SBI 4U1 Biology

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

PREREQUISITE: SBI 3U1

SCH 3U1 Chemistry

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

PREREQUISITE: SNC 2D1

SCH 4C1 Chemistry

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.

PREREQUISITE: SNC 2D1 or SNC 2P1

SCH 4U1 Chemistry

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.

PREREQUISITE: SCH 3U1

SES 4U1 Earth and Space Science

This course develops students' understanding of Earth and its place in the universe. Students will investigate the properties of and forces in the universe and solar system and analyse techniques scientists use to generate knowledge about them. Students will closely examine the materials of Earth, its internal and surficial processes, and its geological history, and will learn how Earth's systems interact and how they have changed over time. Throughout the course, students will learn how these forces, processes, and materials affect their daily lives. The course draws on biology, chemistry, physics, and mathematics in its consideration of geological and astronomical processes that can be observed directly or inferred from other evidence.

PREREQUISITE: SNC 2D1

SNC 4E1 Science

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.

PREREQUISITE: SNC 2L1 or SNC 2P1

SNC 4M1 Science

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

PREREQUISITE: SNC 2D1, SBI 3C1, SBI 3U1, SCH 3U1, SPH 3U1 or SVN 3M1

SPH 3U1 Physics

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

PREREQUISITE: SNC 2D1

SPH 4C1 Physics

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.

PREREQUISITE: SNC 2D1 or SNC 2P1

SPH 4U1 Physics

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.

PREREQUISITE: SPH 3U1

SCIENCE

SVN 3E1 Environmental Science

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.

PREREQUISITE: SNC 1D1, SNC 1L1, SNC 1P1 or SNC 2L1

SVN 3M1 Environmental Science

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.

PREREQUISITE: SNC 2D1 or SNC 2P1

SOCIAL SCIENCE AND HUMANITIES

FAMILY STUDIES

HFN 2O1 Food and Nutrition

This course focuses on guidelines for making nutritious food choices. Students will investigate factors that influence food choices, including beliefs, attitudes, current trends, traditional eating patterns, food marketing strategies, and individual needs. Students will also explore the environmental impact of a variety of food choices at the local and global level. The course provides students with opportunities to develop food preparation skills and introduces them to the use of social science research methods in the area of food and nutrition.

HIF 2O1 Exploring Family Studies

This course explores, within the context of families, some of the fundamental challenges people face: how to meet basic needs, how to relate to others, how to manage resources, and how to become responsible members of society. Students will explore adolescent development and will have opportunities to develop interpersonal, decision-making, and practical skills related to daily life. They will learn about the diverse ways in which families function in Canada and will use research skills as they explore topics related to individual and family needs and resources.

HFC 3E1 Food and Culture

This course focuses on the flavours, aromas, cooking techniques, foods, and cultural traditions of world cuisines. Students will demonstrate the ability to cook with ingredients and equipment from a range of cultures, describe food-related etiquette in a variety of countries and cultures, and explore ways in which Canadian food choices and traditions have been influenced by other cultures. Students will have opportunities to develop practical skills and apply research skills as they investigate foods and food practices from around the world.

HFC 3M1 Food and Culture

This course focuses on the flavours, aromas, cooking techniques, foods, and cultural traditions of world cuisines. Students will explore the origins of and developments in diverse food traditions. They will demonstrate the ability to cook with ingredients and equipment from a variety of cultures, compare food-related etiquette in many countries and cultures, and explain how Canadian food choices and traditions have been influenced by other cultures. Students will develop practical skills and apply social science research methods while investigating foods and food practices from around the world.

HLS 301 Housing and Home Design

This course introduces students to a range of issues related to housing and home design. Students will learn about the needs that housing fulfills; housing options; home maintenance and safety; and environmental, economic, legal, and social considerations related to housing. They will use the elements and principles of design to analyse design and decorating decisions. Students will develop research skills as they investigate issues related to housing and home design.

HNC 3C1 Understanding Fashion

This course introduces students to the world of fashion. Students will gain an understanding of theories related to fashion trends and of how culture, media, fashion cycles, retailing, and social and environmental factors influence fashion trends and consumer behaviour. Students will use various tools, technologies, and techniques safely and correctly to create fashion items. They will apply knowledge of fibres, fabrics, and the elements and principles of design when creating and assessing fashion-related products. Students will develop research skills as they investigate topics related to fashion.

HPC 301 Raising Healthy Children

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

HPW 3C1 Working with Infants and Young Children

This course prepares students for occupations involving children from birth to six years of age. Students will study theories about child behaviour and development, and will have opportunities for research and observation and for practical experiences with young children. Students will become familiar with occupational opportunities and requirements related to working with infants and young children. They will also have opportunities to develop research and critical-thinking skills as they investigate and evaluate current research about early childhood education.

HFA 4C1 Nutrition and Health

This course focuses on the relationship between nutrition and health at different stages of life and on global issues related to food production. Students will investigate the role of nutrition in health and disease and assess strategies for promoting food security and environmental responsibility. Students will learn about healthy eating, expand their repertoire of food-preparation techniques,

and refine their ability to use social science research and inquiry methods to investigate topics related to nutrition and health.

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

HFA 4U1 Nutrition and Health

This course examines the relationships between food, energy balance, and nutritional status; the nutritional needs of individuals at different stages of life; and the role of nutrition in health and disease. Students will evaluate nutrition-related trends and will determine how food choices can promote food security and environmental responsibility. Students will learn about healthy eating, expand their repertoire of food-preparation techniques, and develop their social science research skills by investigating issues related to nutrition and health.

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

HHG 4M1 Human Development Throughout the Lifespan

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

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

HHS 4C1 Families in Canada

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

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

HHS 4U1 Families in Canada

This course enables students to draw on sociological, psychological, and anthropological theories and research to analyse the development of individuals, intimate relationships, and family and parent-child relationships.

GENERAL SOCIAL SCIENCE

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

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

HIP 401 Personal Life Management

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

HNB 4M1 The World of Fashion

This course gives students the opportunity to explore the world of fashion. Students will learn how to create a fashion product using various tools, techniques and technologies while developing their practical skills. Students will learn about various factors that affect the global fashion industry, the needs of specialized markets, and the impact of fibre and fabric production and care. In addition, they will learn about social and historical influences on fashion. Students will apply research skills when investigating aspects of the fashion world.

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

HPD 4C1 Working with School-Age Children and Adolescents

This course prepares students for occupations involving school-age children and adolescents. Students will study a variety of theories about child behaviour and development, and will have opportunities for research and observation and for practical experiences with older children. Students will become familiar with occupational opportunities and requirements related to working with older children and adolescents. They will develop research skills used in investigating child and adolescent behaviour and development.

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

HSP 3C1 Introduction to Anthropology, Psychology, and Sociology

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

HSP 3CZ Introduction to Anthropology, Psychology and Sociology (Immersion)

The language of instruction for this course is french. The course expectations, content, teaching strategies and evaluation are identical to those of the regular Grade 11 Introduction to Anthropology, Psychology and Sociology. For description refer to HSP 3C1.

HSP 3U1 Introduction to Anthropology, Psychology, and Sociology

This course provides students with opportunities to think critically about theories, questions, and issues related to anthropology, psychology, and sociology. Students will develop an understanding of the approaches and research methods used by social scientists. They will be given opportunities to explore theories from a variety of perspectives, to conduct social science, and to become familiar with current thinking on a range of issues within the three disciplines.

PREREQUISITE: ENG 2D1 or CHC 2D1

HSP 3UZ Introduction to Anthropology, Psychology and Sociology (Immersion)

The language of instruction for this course is french. The course expectations, content, teaching strategies and evaluation are identical to those of the regular Grade 11 Introduction to Anthropology, Psychology and Sociology. For description refer to HSP 3U1.

HSB 4U1 Challenge and Change in Society

This course focuses on the use of social science theories, perspectives, and methodologies to investigate and explain shifts in knowledge, attitudes, beliefs, and behaviour and their impact on society. Students will critically analyse how and why cultural, social, and behavioural patterns change over time. They will explore the ideas of social theorists and use those ideas to analyse causes of and responses to challenges such as technological change, deviance, and global inequalities. Students will explore ways in which social science research methods can be used to study social change.

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

HSB 4UZ Challenge and Change in Society (Immersion)

The language of instruction for this course is French. The course expectations, content, teaching strategies, and evaluation are identical to those of the regular Grade 12 Challenge and Change in Society. For description, refer to HSB 4U1.

PHILOSOPHY

HZB 3M1 Philosophy: The Big Question

This course encourages exploration of philosophy's big questions, such as: What is a meaningful life? What separates right from wrong? What constitutes knowledge? What makes something beautiful? What is a just society? Students will develop critical thinking and philosophical reasoning skills as they identify and analyse the responses of philosophers to the big questions and formulate their own response to them. Students will explore the relevance of philosophical questions to society and to their everyday life. They will develop research and inquiry skills as they investigate various topics in philosophy.

HZT 4U1 Philosophy: Questions and Theories

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

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

WORLD RELIGIONS

HRF 3O1 World Religions and Belief Traditions in Daily Life

This course enables students to study world religions and belief traditions in local, Canadian, and global contexts. Students will explore aspects of the human quest for meaning and will examine world religions and belief traditions as exemplified in various sacred teachings and principles, rites, and passages. They will also study the interaction throughout history between society and various belief traditions, and will have opportunities to develop research and inquiry skills related to the study of world religions and belief traditions.

HRT 3M1 World Religions and Belief Traditions: Perspectives, Issues, and Challenges

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

EQUITY STUDIES

HSE 3E1 Equity, Diversity, and Social Justice

This course enables students to develop an understanding of historical and contemporary issues relating to equity, diversity, and social justice in a variety of contexts. Students will explore the nature of diversity and power relations in Canada and how social norms shape individual identity. They will learn about social activism and how to address situations that involve discrimination, harassment, and denial of rights. Students will develop and apply research skills and will design and implement a social action initiative relating to an equity, diversity, or social justice issue.

HSE 4M1 Equity and Social Justice: From Theory to Practice

This course enables students to develop an understanding of the theoretical, social, and historical underpinnings of various equity and social justice issues and to analyse strategies for bringing about positive social change. Students will learn about historical and contemporary equity and social justice issues in Canada and globally. They will explore power relations and the impact of a variety of factors on equity and social justice. Students will develop and apply research skills and will design and implement a social action initiative relating to an equity or social justice issue.

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

HSG 3M1 Gender Studies

This course enables students to learn about the dynamic nature of gender roles and norms; sexism and power relations; and the impact of representations of women and men in the media, popular culture, and the arts. Students will analyse a range of gender equity issues, including gender-based violence and workplace equity, in both Canadian and global contexts. Students will develop and apply research skills and will design and implement a social action initiative relating to gender equity.

TECHNOLOGICAL EDUCATION BROAD- BASED TECHNOLOGY

INTEGRATED TECHNOLOGIES

TIJ 101 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 post-secondary education and training pathways leading to careers in technology-related fields.

COMMUNICATIONS TECHNOLOGY

TGJ 201 Communications Technology

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 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 explore secondary and post-secondary education and training pathways and career opportunities in the various communications technology fields.

TGJ 3M1 Communications Technology

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.

Note: The following course has the same expectations as TGJ 3M1 but places emphasis on a specific program area:

i) TGG 3M1 Communications Technology:

Print and Graphics Communications

The emphasis of this course is on the design and production of print and graphic communications such as school yearbooks and/or newspapers.

TGJ 301 Communications Technology: Broadcast and Print Production

This course enables students to develop knowledge and skills in the areas of graphic communication, printing and publishing, audio and video production, and broadcast journalism. Students will work both independently and as part of a production team to design and produce media products in a project-driven environment. Practical projects may include the making of signs, yearbooks, video and/or audio productions, newscasts, and documentaries. Students will also develop an awareness of related environmental and societal issues and explore secondary and post-secondary education and training pathways and career opportunities in the various communications technology fields.

TGJ 4M1 Communications Technology

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.

PREREQUISITE: TGJ 3M1

Note: The following course has the same expectations as TGJ 4M1 but places emphasis on a specific program area:

**i) TGG 4M1 Communications Technology:
Print and Graphics Communications**

The emphasis of this course is on the design and production of print and graphic communications such as school yearbooks and/or newspapers.

PREREQUISITE: TGG 3M1

TGJ 4O1 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 explore post-secondary education, training, and career opportunities.

COMPUTER TECHNOLOGY

TEJ 201 Computer Technology

This course introduces students to computer systems, networking, and interfacing, as well as electronics and

robotics. Students will assemble, repair, and configure computers with various types of operating systems and application software. Students will build small electronic circuits and write computer programs to control simple peripheral devices or robots. Students will also develop an awareness of environmental and societal issues related to the use of computers, and learn about secondary and post-secondary pathways to careers in computer technology.

TEJ 3M1 Computer Engineering Technology

This course examines computer systems and control of external devices. Students will assemble computers and small networks by installing and configuring appropriate hardware and software. Students will develop knowledge and skills in electronics, robotics, programming, and networks, and will build systems that use computer programs and interfaces to control and/or respond to external devices. Students will develop an awareness of environmental and societal issues related to the use of computers, and will learn about college and university programs leading to careers in computer engineering.

TEJ 4M1 Computer Engineering Technology

This course extends students' understanding of computer systems and computer interfacing with external devices. Students will assemble computer systems by installing and configuring appropriate hardware and software, and will learn more about fundamental concepts of electronics, robotics, programming, and networks. Students will examine environmental and societal issues related to the use of computers, and explore post-secondary pathways leading to careers in computer engineering and related fields.

PREREQUISITE: TEJ 3M1

CONSTRUCTION TECHNOLOGY

TCJ 201 Construction Technology

This course introduces students to building materials and processes through opportunities to design and build various construction projects. Students will learn to create and read working drawings; become familiar with common construction materials, components, and processes; and perform a variety of fabrication, assembly, and finishing operations. They will use a variety of hand and power tools and apply knowledge of imperial and metric systems of measurement, as appropriate. Students will develop an awareness of environmental and societal issues related to construction technology, and will explore secondary and post-secondary pathways leading to careers in the industry.

TCJ 3C1 Construction Engineering Technology

This course focuses on the development of knowledge and skills related to residential construction. Students will gain hands on experience using a variety of construction materials, processes, tools, and equipment; learn about

building design and planning construction projects; create and interpret working drawings and sections; and learn how the Ontario Building Code and other regulations and standards apply to construction projects. Students will also develop an awareness of environmental and societal issues related to construction technology, and explore career opportunities in the field.

TCJ 3E1 Construction Technology

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

Note: The following course has the same expectations as TJC 3E1 but within a specific area of focus:

i) TCM 3E1 Construction Technology: Masonry

This course emphasizes the skills and techniques used in the Masonry trade.

TCJ 4C1 Construction Engineering Technology

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

PREREQUISITE: TCJ 3C1

TCJ 4E1 Construction Technology

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

that may be pursued directly after graduation.

PREREQUISITE: TCJ 3E1

Note: The following course has the same expectations as TCJ 4E1 but within a specific area of focus:

i) TCM 4E1 Construction Technology: Masonry

This course enables students to learn techniques and develop skills required in the field of masonry.

PREREQUISITE: TCM 3E1

TWJ 3E1 Custom Woodworking

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

TWJ 4E1 Custom Woodworking

This course enables students to further develop knowledge and skills related to the planning, design, and construction of cabinets and furniture for residential and/or commercial projects. Students will gain further experience in the safe use of common woodworking materials, tools, equipment, finishes, and hardware, and will learn about the entrepreneurial skills needed to establish and operate a custom woodworking business. Students will also expand their awareness of health and safety issues and environmental and societal issues related to woodworking, and will explore career opportunities that may be pursued directly after graduation.

PREREQUISITE: TWJ 3E1

GREEN INDUSTRIES

THJ 2O1 Green Industries

This course introduces students to the various sectors of the green industries – agriculture, forestry, horticulture, floristry, and landscaping. Using materials, processes, and techniques commonly employed in these industries, students will participate in a number of hands-on projects that may include plant or animal propagation; production, maintenance, and harvesting activities; the development of floral or landscaping designs; and/or related construction activities. Students will also develop an awareness of environmental and societal issues related to green industry activities, learn about safe and healthy working practices, and explore secondary and post-secondary education and training pathways and career opportunities in the various industry sectors.

THJ 3E1 Green Industries

This course enables students to develop knowledge and skills related to agriculture, floristry, forestry, horticulture, and landscaping. Students will learn to identify a broad range of plant and animal species; examine factors that

affect the growth of plants and animals and the quality of products derived from them; and develop process, design, and maintenance skills required in the green industries. Students will also learn about safe and healthy working practices, develop an awareness of environmental and societal issues related to green industry activities, and learn about apprenticeships and other post-secondary education and training opportunities, as well as employment opportunities that may be pursued directly after graduation.

Note: The following course has the same expectations as THJ 3E1 but within a specific area of focus:

i) THH 3E1 Green Industries: Horticulture

THJ 3M1 Green Industries

This course enables students to develop knowledge and skills related to agriculture, forestry, horticulture, and landscaping. Students will study the identification, growth, and management of plants and animals and develop process, design, and management skills required in the green industries. Students will also examine social and economic issues related to the green industries, learn about safe and healthy working practices, study industry standards and codes, and explore post-secondary education programs and career opportunities.

THJ 4E1 Green Industries

This course enables students to gain further experience with a variety of industry procedures and operations and to acquire additional industry-specific skills. Students will study more complex processes, develop more advanced design and maintenance skills, and explore ways of enhancing environmental sustainability. They will also examine social and economic issues related to the green industries, learn about safe and healthy working practices, study industry standards and codes, and explore career opportunities in the various industries. The knowledge and skills acquired in this course will prepare students for the workplace and apprenticeship training.

PREREQUISITE: THJ 3E1

Note: The following course has the same expectations as THJ 4E1 but within a specific area of focus:

i) THH 4E1 Green Industries: Horticulture

PREREQUISITE: THH 3E1

THJ 4M1 Green Industries

This course focuses on more complex concepts and skills related to the green industries. Students will focus on developing process skills, design and management techniques, and ways of enhancing environmental sustainability. They will also examine social and economic issues related to the green industries, learn about safe and healthy working practices, study industry standards and codes, and explore career opportunities. The knowledge and skills acquired in this course will prepare students for more specialized studies at the college and university level.

PREREQUISITE: THJ 3M1

HAIRSTYLING AND AESTHETICS

TXJ 201 Hairstyling and Aesthetics

This course presents hairstyling, make-up, and nail care techniques from a salon/spa perspective. Through a variety of school and community-based activities, students learn fundamental skills in hairstyling, giving manicures and facials and providing hair/scalp analyses, and treatments. Students also consider related environmental and societal issues and explore secondary and post-secondary pathways leading to careers in the field of hairstyling and aesthetics.

TXJ 3E1 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 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 consider environmental and societal issues related to the industry and acquire a more detailed knowledge of apprenticeships and direct-entry work positions.

Note: The following course has the same expectations as TXJ 3E1 but within a specific area of focus:

i) TXH 3E1 Hairstyling and Aesthetics: Hairstyling

This course emphasizes the development of hairstyling techniques and skills.

TXJ 4E1 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 strengthen their fundamental cosmetology skills and develop an understanding of common business practices and strategies in the salon/spa industry. Students expand their understanding of environmental and societal issues and their knowledge of post-secondary destinations in the hairstyling and aesthetics industry.

PREREQUISITE: TXJ 3E1

Note: The following course has the same expectations as TXJ 4E1 but within a specific area of focus:

i) TXH 4E1 Hairstyling and Aesthetics: Hairstyling

This course emphasizes further development of practical knowledge and skill base in the field of hairstyling.

PREREQUISITE: TXH 3E1 or TXJ 3E1

HEALTH CARE

TPJ 201 Health Care

This course introduces students to personal health promotion, child and adolescent health concerns, and a variety of medical services, treatments, and technologies. Students will become familiar with various instruments and equipment and will learn about human anatomy,

organs, and body chemistry, as well as the effects that lifestyle choices can have on personal well-being. They will plan recreational activities for youth, perform a dietary analysis, and evaluate health care practices. Students will develop an awareness of environmental and societal issues related to health care and will explore secondary and post-secondary pathways leading to careers in the field.

TPJ 3C1 Health Care

This course focuses on the development of knowledge and skills that will benefit students planning a career in the health care field. Students will learn about human anatomy and physiology, homeostasis, vital signs, disease prevention and treatment, how lifestyle choices affect health and well-being, and conventional and complementary methods of disease prevention and treatment. Students will develop an awareness of health and safety issues, environmental and societal issues related to health care, and career opportunities in the field.

TOJ 4C1 Child Development and Gerontology

This course enables students to examine the stages of child development and the aging process. Students will study the processes of disease and factors contributing to health and well-being in early and later life, and will develop skills required to meet the needs of children and older adults (care skills). Students will also learn about legislation governing the care of children and older adults; evaluate social and recreational activities, programs, and services for improving quality of life; and develop an awareness of health and safety issues, environmental and social issues, and career opportunities related to child care and gerontology.

TPJ 4C1 Health Care

This course focuses on the development of clinical skills needed to assess general health status. Students will learn about accepted health care practices and about how to perform various basic procedures, using appropriate instruments and equipment. They will learn about the human immune system, pathology, and disease prevention and treatment. Students will also expand their awareness of workers' health and safety issues, environmental and societal issues related to health care, and post-secondary destinations in the field.

PREREQUISITE: TPJ 3C1

HOSPITALITY AND TOURISM

TFJ 201 Hospitality and Tourism

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 post-secondary pathways leading to careers in the tourism industry.

TFJ 3C1 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.

TFJ 3E1 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.

Note: The following course has the same expectations as TFJ 3E1 but within a specific area of focus:

i) TFC 3E1 Hospitality and Tourism: Cooking

Course area of emphasis is cooking including topics such as food preparation, presentation and food safety.

TFJ 4C2 Hospitality and Tourism

This course enables students to further develop knowledge and skills related to various sectors of the tourism industry. Students will demonstrate advanced food preparation and preparation 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.

PREREQUISITE: TFJ 3C1

Note: This two-credit course emphasizes cooking - food preparation, presentation, and safety. The class caters to larger groups and is involved with our cafeteria association in the creation of daily specials.

TFJ 4E1 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.

PREREQUISITE: TFJ 3E1

Note: The following course has the same expectations as TFJ 4E1 but within a specific area of focus:

i) TFC 4E1 Hospitality and Tourism: Cooking

This emphasis course extends students cooking skills including food preparation, presentation and safety.

PREREQUISITE: TFC 3E1 or TFJ 3E1

MANUFACTURING TECHNOLOGY

TMJ 2O1 Manufacturing Technology

This course introduces students to the manufacturing industry by giving them an opportunity to design and fabricate products using a variety of processes, tools, and equipment. Students will learn about technical drawing, properties and preparation of materials, and manufacturing techniques. Student projects may include a robotic challenge, a design challenge, or a fabrication project involving processes such as machining, welding, vacuum forming, or injection moulding. Students will develop an awareness of environmental and societal issues related to manufacturing and will learn about secondary and post-secondary pathways leading to careers in the industry.

Note: The following courses have the same expectations as TMJ 2O1 but within a specific area of focus:

i) TMJ 2OA Manufacturing Technology:

Machining

This course focuses on Machining (manufacturing metal parts; assemblies with an emphasis on precise measurement and testing and manufacturing technologies).

ii) TMJ 2OB Manufacturing Technology: Welding

This course has a focus on Welding (design and production of metal/plastic products with an emphasis on shaping, forming, and fastening materials to form products).

TMJ 3C1 Manufacturing Engineering Technology

This course enables students to develop knowledge and skills through hands-on, project-based learning. Students will acquire design, fabrication, and problem-solving skills while using tools and equipment such as lathes, mills, welders, computer-aided machines, robots, and control systems. Students may have opportunities to obtain industry-standard certification and training. Students will develop an awareness of environmental and societal issues related to manufacturing and will learn about pathways leading to careers in the industry.

Note: The following courses have the same expectations as TMJ 3C1 but within a specific area of focus:

i) TMP 3C1 Manufacturing Technology: Precision Machining

Course emphasis is on manufacturing techniques such as the use of jigs and fixtures, computer-assisted machining, casting, plastic injection moulding, stamping and blueprint reading.

ii) TMY 3C1 Manufacturing Technology: Welding Technician

Course emphasis is on welding operations in oxyacetylene and electric arc/welding.

TMJ 3E1 Manufacturing Technology

This hands-on, project-based course is designed for students planning to enter an occupation or apprenticeship in manufacturing directly after graduation. Students will work on a variety of manufacturing projects, developing knowledge and skills in design, fabrication, and problem solving and using tools and equipment such as engine lathes, milling machines, and welding machines. In addition, students may have the opportunity to acquire industry-standard certification and training. Students will develop an awareness of environmental and societal issues related to manufacturing and will learn about secondary school pathways that lead to careers in the industry.

Note: The following courses have the same expectations as TMJ 3E1 but within a specific area of focus:

i) TMJ 3E2 Manufacturing Technology

This two-credit course focuses on advanced machining skills using traditional equipment plus exposure to blueprint reading - CAD plus CAD/CAM.

ii) TMO 3E1 Manufacturing Technology: Machine Operator

Course areas of emphasis are manufacturing design, fabrication, skills and processes such as gas, electric, arc welding, milling, drilling and lathe work.

iii) TMW 3E1 Manufacturing Technology: Welding

Course areas of emphasis are metal fabrication including student- and class-designed projects utilizing a variety of welding processes.

TMJ 4C1 Manufacturing Engineering Technology

This course enables students to further develop knowledge and skills related to machining, welding, print reading, computer numerical control (CNC), robotics, and design. Students will develop proficiency in using mechanical, pneumatic, electronic, and computer control systems in a project-based learning environment and may have opportunities to obtain industry-standard training and certification. Students will expand their awareness of environmental and societal issues and career opportunities in the manufacturing industry.
PREREQUISITE: TMJ 3C1

Note: The following courses have the same expectations as TMJ 4C1 but within a specific area of focus:

i) TMP 4C1 Manufacturing Technology: Precision Machining

Course areas of emphasis are advanced machine operations, measurements, processes and project design

PREREQUISITE: TMP 3C1

ii) TMY 4C1 Manufacturing Technology: Welding Technician

Course areas of emphasis are manufacturing processes in fabrication, arc and oxyacetylene welding and metallurgy.

PREREQUISITE: TMY 3C1

TMJ 4E1 Manufacturing Technology

This project-driven, hands-on course builds on students' experiences in manufacturing technology. Students will further develop knowledge and skills related to the use of engine lathes, milling machines, welding machines, and other related tools and equipment as they design and fabricate solutions to a variety of technological challenges in manufacturing. Students may have opportunities to acquire industry-standard training and certification. Students will expand their awareness of environmental and societal issues and of career opportunities in the manufacturing industry.

PREREQUISITE: TMJ 3E1

Note: The following courses have the same expectations as TMJ 4E1 but within a specific area of focus:

i) TMJ 4E2 Manufacturing Technology

This two-credit course emphasizes drafting and design, machining, welding, computer numerical control (CNC), Computer-Assisted Machining (CAM), motor control, hydraulic control, pneumatic control, and computer control.

ii) TMO 4E1 Manufacturing Technology: Machine Operator

Course areas of emphasis are advanced manufacturing design and fabrication: milling, drilling and lathe work.

PREREQUISITE: TMO 3E1

iii) TMW 4E1 Manufacturing Technology: Welding

Course areas of emphasis include the design and fabrication of metal projects using manufacturing processes such as MIG and TIG techniques, out-of-position, root and high pressure welding and blueprint reading.

PREREQUISITE: TMW 3E1

iv) TMW 4E2 Manufacturing Technology: Welding

This two-credit course offers students the opportunity to further refine their skills in the Welding program.

TECHNOLOGICAL DESIGN

TDJ 101 Exploring Technological Design

This exploratory course introduces students to concepts and skills related to technological design which involves the development of solutions to various design challenges and the fabrication of models or prototypes of those solutions. Students will develop an awareness of related environmental and societal issues, and will begin to explore secondary and post-secondary pathways leading to careers in the field.

TDJ 201 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 learn about secondary and post-secondary education and training leading to careers in the field.

TDJ 3M1 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 the college and/or university program requirements for them.

Note: The following course has the same expectations as TDJ 3M1 but within a specific area of focus:

**i) TDA 3M1 Manufacturing Technology:
Architectural**

This course focuses on architectural technical design.

TDJ 3O1 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 post-secondary pathways leading to careers in the field.

TDJ 4M1 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 explore career opportunities and the post-secondary education and

training requirements for them.

PREREQUISITE: TDJ 3M1

Note: The following course has the same expectations as TDJ 3M1 but within a specific area of focus:

**i) TDA 4M1 Manufacturing Technology:
Architectural**

This course focuses on architectural technical design.

PREREQUISITE: TDA 3M1

TDJ 4O1 Technological Design in the Twenty-first Century

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

TRANSPORTATION TECHNOLOGY

TTJ 2O1 Transportation Technology

This course introduces students to the service and maintenance of vehicles, aircraft, and/or watercraft. Students will develop knowledge and skills related to the construction and operation of vehicle/craft systems and learn maintenance and repair techniques. Student projects may include the construction of a self-propelled vehicle or craft, engine service, tire/wheel service, electrical/battery service, and proper body care. Students will develop an awareness of related environmental and societal issues and will explore secondary and post-secondary pathways leading to careers in the transportation industry.

Note: The following course has the same expectations as TTJ 2O1 but within a specific area of focus:

i) TTJ 2OA Transportation Technology: Auto Body

Students will focus on Auto Body skills and techniques.

TTJ 3C1 Transportation Technology

This course enables students to develop technical knowledge and skills as they study, test, service, and repair engine, electrical, suspension, brake, and steering systems on vehicles, aircraft, and/or watercraft. Students will develop communication and teamwork skills through practical tasks, using a variety of tools and equipment. Students will develop an awareness of environmental and societal issues related to transportation and will learn about apprenticeship and college programs leading to careers in the transportation industry.

Note: The following courses have the same expectations as TTJ 3C1 but within a specific area of focus:

i) TTB 3C1 Transportation Technology: Auto Body

Course area of emphasis is auto body with students learning the skills and techniques of repair, removal, replacement and fabrication of automobile body panels.

TTJ 3O1 Transportation Technology: Vehicle Ownership

This general interest course enables students to become familiar with the options and features of various vehicles, issues of registration, and the legal requirements affecting vehicle owners. Students will also learn about vehicle financing and insurance, vehicle maintenance, emergency procedures, and the responsibilities of being a vehicle owner. Students will develop an awareness of environmental and societal issues related to vehicle ownership and use, and will explore career opportunities in the transportation industry.

TTJ 4C1 Transportation Technology

This course enables students to further develop technical knowledge and skills as they study, test, service, and repair engine management systems; power trains; steering/control, suspension, brake, and body systems on vehicles, aircraft, and/or watercraft; and/or small-engine products. Students will refine communication and teamwork skills through practical tasks, using a variety of tools and equipment. Students will expand their awareness of environmental and societal issues related to transportation and their knowledge of apprenticeship and college programs leading to careers in the transportation industry.

PREREQUISITE: TTJ 3C1

Note: The following courses have the same expectations as TTJ 4C1 but within a specific area of focus:

i) TTB 4C1 Transportation Technology: Auto Body

Course area of emphasis is auto body with an in depth study of repair, removal, replacement and fabrication of automobile body panels.

TTJ 4E1 Transportation Technology: Vehicle Maintenance

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

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