REGISTRATION

The following policies and procedures are important:

a) Students wishing to register at a school other than their home school must do so BEFORE FEBRUARY 15. They must also be prepared to provide their own transportation.

b) Students and parents will verify course selections during May. The Guidance Department should be notified of any errors ASAP.

c) In June, when the final report card is issued, the student is responsible for notifying the Guidance Department if course failures necessitate a change in courses selected.

d) Amendments to course selections resulting from summer school must be initiated by the student at the conclusion of summer school, by informing a school official.

Our staff allocation and master timetable are constructed on the assumption that students will take all the courses which they request at registration time. It is, therefore, our policy that once the timetable is completed, changes and drops will be permitted only in very unusual circumstances. Valid reasons for requesting a timetable change include the following:

a) Errors in timetabling
b) Failure of a course
c) Change in a career plan which requires a course change
d) Need for a course at a different level of difficulty

Beal does not make changes to accommodate: preference of teacher, preference of classmates, conflict with co-curricular activities, part-time jobs.

All change requests must be accompanied by a completed “Request for Timetable Change” form
(This can be found in the Student Services Department)
Timetables will not be changed during September unless there are exceptional circumstances.
Students will not be permitted to begin a new course after the second week of the semester.

Minimum credits per year are:
Grades 9, 10, 11 - 4 credits per semester
Grades 12, - 3 credits per semester (with a minimum 24 credits).
Requests to drop below the minimum credit load will only be considered after consultation with the school, parent and/or guardian.

Honour roll qualifications are based on an average of 80% or greater on a minimum of:
8 credits in grades 9 and 10,
7 credits in grade 11 and
6 credits in grade 12.
*Earned from September to June.

PLEASE NOTE:
All students currently attending Beal will have an opportunity in a computer lab to select their courses. Guidance counsellors will be present during this process; Students and parents who wish to alter their choices from home may do so under:
www.myblueprint.ca/tvdsb

The responsibility for correct registration rests with the student and his/her parents/guardians, in consultation with Beal’s guidance counsellors and teachers. Please choose courses very carefully. Students must know the graduation diploma requirements.

Students should review Credit Counselling Summaries to determine what courses they have and what they still need.

Courses selected at registration time will be verified on the Student Portal. It is the students’ responsibility to ensure the accuracy of their selections. Students or parents/guardians who have any questions about the course selection process are welcome to contact their son’s/daughter’s guidance counsellor.

Courses will only be scheduled if there is sufficient enrolment.
SPECIALTY PROGRAMS at BEAL

Bealart - Offered in grades 11 and 12 as either a half-time or full-time program. Bealart provides a variety of Studio Art experiences that allow students to develop and expand their talents and portfolios so that they are better prepared to pursue art studies at a post-secondary level or enter the work world. An interview and portfolio are required for all current and new students. See The Arts, beginning on page 10.

Broadcasting (BTV) - This program is offered over 2 years, in grades 11 and 12. See Communications Technology, beginning on page 33.

Business - A variety of courses are offered in grades 9 – 12. See Business Studies, beginning on page 12.

Cooperative Education - Co-op placements are offered in a variety of subjects in the senior grades. See Cooperative Education and OYAP (Ontario Youth Apprenticeship Program), beginning on page 17.

Dance/Drama - Credits are offered in grades 9 - 12. See The Arts, beginning on page 7

English as a Second Language and English Literacy Development - These programs welcome English Language Learners from over 50 countries and assists them in developing the language skills needed for daily living, for high school and beyond. See English as a Second Language, and English Literacy Development, beginning on page 20.

Fashion Arts - Offers a variety of fashion courses, including pattern design and clothing construction as well as hairstyling and aesthetics in grades 10, 11 and 12. See Social Sciences and Humanities, Design Technology and Service Technology, pages 30-32, 37.

Music - Four focus areas include Guitar, Instrumental, Music Production, and Vocal. Credits are offered in grades 9 - 12. See The Arts, beginning on page 8.

Musical Theatre - This is a 3-credit program offered in both grade 11 and grade 12. The prerequisite courses in dance, drama, and music are offered every year in grade 9 - 12. An audition and interview are required. See The Arts, beginning on page 10.

Native Studies/Language - Courses are offered in Ojibway, Oneida and a variety of Native Studies in all grades. See Native Studies, pages 4, 15, 27.

Technology - Many other focus areas are offered in a broad-based technology program, including transportation, computer technology, graphic communications and manufacturing, hairstyling and aesthetics. See Technological Studies, beginning on page 33.

International Certificate Program

The International Certificate Program is an exciting new program that provides high school students with the opportunity to become engaged global citizens, learn about the world, and develop inter-cultural competency skills to prepare for the future. There are 5 components to the program. Students earn the certificate by:

* studying an international language,

* participating in various intercultural workshops,

* exploring global issues in classes that have an international focus,

* participating in international engagement either locally or abroad, and

* presenting their reflection portfolio.

A teacher advisor at the school helps to support the ICP students and track their progress in their program as they engage in workshops, and international learning opportunities. Students will receive the TVDSB International Certificate Program certification in grade 12 upon successful completion of the required components.

Contact your teacher advisor for more information and to register for 2019/ 2020.
SPECIALIST HIGH SKILLS MAJORS (SHSM) at Beal

SHSMs are ministry-approved specialized programs that allow students to focus their learning on a specific economic sector while meeting the requirements for the Ontario Secondary School Diploma and assists in their transition from secondary school to apprenticeship training, college, university, or the workplace. Successful completion of the SHSM program will be recognized on the OSSD and Ontario Student Transcript. Program begins in grade 11. Application required.

SHSMs must include the following five components:

1. A package of 8 - 10 Grade 11 and Grade 12 credits that includes:
   - 4 major credits that provide sector-specific knowledge and skills,
   - 2 - 4 other required credits from the Ontario curriculum, in which some expectations are met through learning activities contextualized to the sector,
   - 2 - 4 cooperative education credits that provide authentic learning experiences in a workplace setting,
2. Sector-recognized certifications and/or training courses,
3. Experiential learning and career exploration activities within the sector,
4. “Reach-ahead” experiences connected with the student’s chosen postsecondary pathway,
5. Development of Essential Skills and work habits required in the sector, and the use of the Ontario Skills Passport (OSP) for purposes of documentation.

Specialist High Skills Major in Broadcasting or Graphics
The ICT SHSM enables students to build a foundation of sector-focused knowledge and skills prior to graduating. It has been created for those interested in pursuing a post-secondary education and/or a career in the fields of broadcasting, new broadcast media online, journalism, graphic design, digital photography, print, and/or multimedia.

Students gain sector-specific skills and knowledge in the context of engaging, career-related learning environments helping them focus on graduation and on pursuing their chosen postsecondary goals. Students will also gain practical experience through co-op placements.

Specialist High Skills Major in Business and Aboriginal Youth Entrepreneurship (AYEP)
Beal offers both an SHSM in Business and a specific SHSM in Aboriginal Youth Entrepreneurship Program through the Martin Aboriginal Education Initiative. Beal is the only school in the TVDSB to offer a specific program like this for First Nations students. A wide variety of course offerings and specializations exist in the program. Certifications include the standard WHMIS, First Aid, Assisted Emergency Resuscitation and also business specific areas like counterfeit detection, networking, public speaking among others. Other reach ahead opportunities that are available include DECA (case study competition), Investment Club, Day on Bay, guest speakers from the business community/sector, and visiting businesses in the community and area.

Specialist High Skills Major in Manufacturing
This Specialist High Skills Major course is designed to create pathways of success for students interested in a career such as General Machinist, Tool and Die Maker, Millwright and Engineer. Reach-ahead experiences and career exploration activities will develop essential skills and work habits required in this sector.

Specialist High Skills Major in Fashion, Hairstyling and Aesthetics
This program will enhance current opportunities for students at H.B. Beal Secondary School through comprehensive training in fashion and hairstyling and aesthetics. This includes sector-recognized certifications, cross-curricular studies focused on fashion, hairstyling and aesthetics, entrepreneurship and business and community partnerships, which foster authentic sector-based learning experiences. Students enrolled in the SHSM can pursue career focused training in fashion design, fashion merchandising, hair and make-up artistry, technical hair design and aesthetics.

Specialist High Skills Major in Justice, Community Safety and Emergency Services
Are you interested in being a police officer, firefighter, or paramedic? Would you like a career in our legal system, a role in our government, working in emergency services, or in law enforcement? Beal is pleased to offer this unique program and first of its kind in the TVDSB. Students can gain sector specific certifications, reach ahead experiences, access to community resources, and unique opportunities in areas of justice, community safety and emergency services. Beal’s proximity, existing relationships and partnerships allow for authentic learning opportunities and unique career exploring activities.

Specialist High Skills Major in Sports:
This program will enhance current opportunities for students at H.B. Beal S.S. through a focus on in sports management, media and broadcasting, performance, or recreation. The comprehensive sport opportunities include sector-recognized certifications, community partnerships which foster authentic sector-based learning experiences and field trips for career exploration. Students also have access to netbooks to complete the required Contextualized Learning Activities (CLAs). Successful completion of the SHSM program will result in a red seal on their diploma.
FIRST NATIONS COURSES at Beal

Beal is proud to offer the widest selection of First Nation courses in the T.V.D.S.B. In particular students are offered a wide variety of courses in Native governance, literature, business, leadership and language. These courses are available to all students who are interested in Native studies but in particular to First Nation students who want more of a cultural content to their existing studies.

- **BDI3CF/BDV4CF** - Native Entrepreneurship / Grade 11 & 12, College Preparation
- **NAC101** - Expressing Aboriginal Concerns (Open)
- **NAC201** - Aboriginal Peoples in Canada, Grade 10, Open
- **NBV3C1** - Aboriginal Beliefs, Values, and Aspirations in Contemporary Society, Grade 11, College Preparation
- **NDA3M1** – Current Aboriginal Issues in Canada, Grade 11, University/College Preparation
- **NDG4M1** - Aboriginal Governance: Emerging Directions, Grade 12, University/College Preparation
- **NDW4M1** - Issues of Indigenous Peoples in a Global Context, Grade 12, University/College Preparation
- **NBE3C1** - English: Contemporary Aboriginal Voices, Grade 11, College Preparation
- **ENG2PF** – FNMI English, Grade 10, Applied
- **GPP3OF** - First Nations Peer Support, Grade 11, Open
- **LNNAO1** - Oneida / **LNOAO1** Ojibway Native Languages, Level 1, Open
- **LNNBO1** - Oneida / **LNOBO1** Ojibway Native Languages, Level 2, Open
- **LNNCO1** - Oneida / **LNOCO1** Ojibway Native Languages, Level 3, Open

GUIDANCE DEPARTMENT

Guidance Counsellors offer a variety of services to assist students in getting the most out of high school. Counsellors are available to assist students through:

- Academic counselling to assist them with course selections and post-secondary educational planning
- Individual counselling for personal concerns
- Career counselling to help them plan for their future
- Computer services such as MyBlueprint to help them learn about career opportunities
- Access to special help offered by the school psychologist, the school social worker and outside agencies
- Maintenance of their Ontario Student Record/Community Service Hours

Parents are encouraged to learn their counsellor's five-digit extension and contact their student's counsellor for assistance or information at 519-452-2700 x. 61079

Students select a 1/2 credit course in Career Studies (GLC2O5) in Grade 10. They also can take an elective course (1 credit) in Leadership and Peer Support (GPP3O1) in Grade 11.

LIBRARY

Selecting courses is an important step in your learning journey. Accessing resources to support acquiring new knowledge and skills is a crucial component in a learning process. The Library is the perfect place to pursue learning enrichment (and for independent reading and reflection too!).

Get to know your Beal Library and our wide range of resources and services:

- over 17,000 nonfiction, fiction and reference print materials
- book circulation for research/study support and recreational reading
- access to and assistance with online research databases
- 40 desktop computers, 20 mobile computers, copying, scanning and printing
- The Raider Gallery featuring Student art including Bealart, for independent reading and study
- study carrels with power outlets for mobile devices
- qualified teacher-librarians keen and ready to assist in using these resources efficiently and effectively

‘Check out' how Beal Library resources and services can support your learning success.

Beal Library: “the opening of a new door of opportunity.”
SCHOOL SUPPORT SERVICES AND RESOURCES

Computer Labs
There are over 500 computers throughout the school in labs, the library and classrooms. The special education department has computers available in resource rooms for student use. Many specialized programs have computers located in the classroom. There are also three computer labs in the business studies area.

School Psychologist
The psychologist is available by referral through the Program Development Team.

Public Health Nurse
The nurse attends Beal each Thursday of the week. Students can refer themselves. The nurse often is a guest speaker in classes.

Social Workers
The School Social Workers provide assessment, counselling and support for students in grades 9 through 12 who may be experiencing social and/or emotional difficulties. The social workers also provide links to community agencies and resources to address the needs of individual students and their families. Additionally, the school social workers work with students under the age of 18 who are having difficulty attending school regularly. Referrals are made by guidance counsellors and administrators.

CREDIT RECOVERY PROGRAM
The Credit Recovery Program may be an option for a student who has failed a course. Access to the Credit Recovery Program must be by approved by the Principal and the Student Success Team consisting of representatives from guidance, special education, and administration.

SPECIAL EDUCATION DEPARTMENT

Resource teachers offer specialized programming to students deemed exceptional by an IPRC. but also are available to all students on an Individual Education Plan (IEP) to help with study and organizational skills, time management, and note-taking. Students within this program are timetabled into the regular curriculum and are regularly monitored and counselled by the resource teacher. These students may be withdrawn intermittently from regular classes for intervals of “one-to-one” instruction, planning and remediation. As well, these students may work in the Resource area on their own time, and complete evaluations in this area.

LEARNING STRATEGIES COURSES
This program is offered only to students who have an Individual Education Plan (IEP). Students request this program, in consultation with parents and Learning Support Teachers. Students can also take Learning Strategies in Grade 10 (GLE2O) and Grade 11 (GLE 3O1). While enrolled in Learning Strategies courses, students undertake a regular curriculum. These expectations may encompass organization and study skills, critical thinking skills, and the writing process. Students wishing to take a Learning Strategies course who do not have and IEP must register for the GLS1O course.

ONTARIO SECONDARY SCHOOL LITERACY TEST (OSSLT) ACCOMMODATIONS, DEFERRALS, AND EXEMPTIONS

Accommodations: Some students require accommodations in order to have an equitable opportunity to successfully complete the Ontario Secondary School Literacy Test. These students may or may not have been formally identified as exceptional by an Identification, Placement, and Review Committee (IPRC). While accommodations such as alternative forms of presentation and extra time are acceptable, the actual content of the literacy test cannot be altered. Accommodations must meet the guidelines of the Ministry of Education and are determined by the Principal in consultation with the parent or adult student and appropriate school staff.

Deferrals: Students who receive a deferral of the test include students who have not yet completed a grade 9 English credit, and students registered in English as a Second Language/English Literacy Development (ESL/ELD) courses, who have not yet acquired the level of proficiency in English required for successfully completing the test. The school principal will determine whether or not a deferral should be granted. Decisions are made in consultation with the parent or adult student and appropriate school staff.

Exemptions: Only students whose Individual Education Plan (IEP) indicates that the student is not working towards the attainment of an Ontario Secondary School Diploma may, with parental consent and the approval of the principal, be exempted from participating in the literacy test.
COURSE FEES

There will be no fees or cost charged to students to participate in the regular day school program. Fees may be charged where the student chooses to upgrade the material or where purchase of material is optional. Students enrolled in secondary schools in the Thames Valley District School Board can expect to be provided with the basic classroom learning resources that are required in order to complete the course expectations. It is recognized there may be optional resources that students may purchase to enhance their program; e.g., field trips, workbooks, upgrading materials in courses such as construction technology and visual arts.

Students are expected to come to school ready and willing to participate actively in their own learning. To that end, students are expected to bring materials with them for their own personal note taking (e.g., pencils, pens, paper, and binder). Students are expected, if they are taking Physical Education, to wear appropriate attire such as shorts, t-shirt and running shoes in order to ensure that active participation is possible.

Students are encouraged to purchase their school’s Student Card by paying the Student Activity fee. The Student Card includes but is not limited to the benefit of participating in the co-instructional program, in the Student Council dances and activities, and in reducing the total cost of a student’s yearbook. Students involved in co-instructional teams, groups and clubs will be made aware of any additional fund raising obligations or participation fees prior to making a commitment to participate.

TRANSPORTATION POLICY

The Education Act states that a school board may elect to provide transportation, but is not obligated to do so. The transportation policy is set by the Board and is subject to change.

Under the current transportation policy, students may be eligible for transportation if:
- Primary address is located within the Beal attendance area and beyond the 3.2 km walk distance
- Program options in grades 11 & 12 qualify for transportation.

In some cases, it may be necessary for students to access community stops. Please check mybigyellowbus.ca for transportation related inquiries.

GENERAL INFORMATION

EVALUATION and EXAMINATION POLICIES: INFORMATION

Exams are held at the end of semester 1 in January, and the end of semester 2 in June. All dates are published in the student planner. All students are expected to participate in on-going assessments as well as mid-term and final evaluations. Students who miss an exam will receive a zero unless they are able to present a doctor’s note to their Vice-Principal. An estimated mark will be assigned or the exam will be re-scheduled if time permits.

REPORT CARDS

Early progress reports are issued in October and March, followed by a Parents’ Night. Midterm reports are issued in November and April. “At risk” reports follow in December and May. Final reports are issued each semester in February and July.

ACHIEVEMENT

Information about school-based awards is available from the student services office. A board website also offers information about the awards available throughout the Thames Valley District School Board.

An annual Awards Assembly and Beal Commencement are held in November. Typically, over 300 students earn subject awards and honours standing. Beal graduates approximately 300 students a year, many of whom gain entrance scholarships to post-secondary institutions, or begin full-time employment or apprenticeship programs.

Of special note is the Jason Edmonds Memorial Award, presented to a deserving Beal graduate, who has demonstrated exemplary character, citizenship and achievement at sports.

REMEDIAL PROGRAMS

Students experiencing difficulty in a course are recommended to see their teacher, the Head of the Department, their Guidance counsellor and/or the Learning Resource Teacher. Students who do not succeed in getting a credit may be eligible for Summer School.

Peer tutoring is offered through volunteers in the Peer Support program. Sometimes university students volunteer as mentors and/or tutors.

In addition to the above, certain courses are offered to assist those students who are having difficulty. For example, at the grade 9 level, Locally Developed courses are offered in English, Mathematics and Science. Students are recommended for these by their learning support teacher in elementary school. Students who are not formally identified but want further preparation for coping with the high school curriculum can request a learning strategies course, GLS101, in grade 9. Students must be recommended by their elementary LST.

S.E.A.C. STATEMENT Special education programs and services are available to address the needs of pupils. Most pupils with special needs are able to succeed in the regular classroom. Some pupils, however, need specialized support to achieve this goal. This support is provided through a variety of means. For further information, please consult the Principal, or the school Learning Support Teacher.
THE ARTS

DANCE
ATC2O1 Dance, Grade 10, Open
This course emphasizes the development of students' technique and creative skills relating to the elements of dance and the tools of composition in a variety of performance situations. Students will identify responsible personal and interpersonal practices related to dance processes and production, and will apply technologies and techniques throughout the process of creation to develop artistic scope in the dance arts.
Prerequisite: None

ATP2OE Dance, Performance Practice, Grade 10, Open
This course emphasizes the development of choreography and all aspects of productions. Students will acquire increasingly difficult technical skills as well as learn repertoire pieces. Students will take on the roles found in a professional dance company and perform as such at various times throughout the year.
Prerequisite: Teacher recommendation; interview and/or audition

ATC3M1 Dance, Grade 11, University/College Preparation
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: ATC1O1, ATC2O1, ATP2OE

ATC4M1 Dance, Grade 12, University/College Preparation
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: ATC3M1

ATD4M1 Dance Composition, Grade 12, University/College Preparation
This course emphasizes the development of technical proficiency and the creation and presentation of complex compositions. Students will acquire increasingly difficult technical skills; assume leadership as dancers, choreographers, and production personnel; analyze and evaluate dance performances; and study historical and cultural aspects of dance, especially of dance in Canada.
Prerequisite: ATC3M1. However, ATC4M1 is highly recommended even if taken concurrently.

ATP4M1 Dance Arts, Grade 12, University/College Preparation
This course further emphasizes the development of technical proficiency and the creation and presentation of increasingly complex compositions. Students will acquire increasingly difficult technical skills, assume leadership as dancers, choreographers and production personnel. Students will also serve as leaders in critical analysis and model responsible practices related to dance production.
Prerequisite: ATD4M1
Please note: This course is taught concurrently with ATD4M1

DRAMATIC ARTS
ADA2O1 Dramatic Arts, Grade 10, Open
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.
Prerequisite: None

ADA3O1 Dramatic Arts, Grade 11, Open
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 analyze the processes involved in producing dramatic works. Students will develop a variety of skills related to collaboration and the presentation of dramatic works.
Prerequisite: None

ADA3M1 Dramatic Arts, Grade 11, University/College Preparation
This course requires students to create and perform in dramatic presentations. Students will analyze, 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 analyze the functions of playwrights, directors, actors, designers, technicians, and audiences.
Prerequisite: ADA1O1, ADA2O1

ADA4M1 Dramatic Arts, Grade 12, University/College Preparation
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 analyze how the knowledge and skills developed in drama are related to their personal skills, social awareness, and goals beyond secondary school.
Prerequisite: ADA3M1
THE ARTS

ADF4M1 Director's Craft, Grade 12, University/College Preparation
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 analyze how the knowledge and skills developed in drama are related to their personal skills, social awareness, and goals beyond secondary school. This course focuses on the craft of directing through collaborative practice; both the principles of direction (vision, composition, picturization, pacing, etc.) and the fundamentals of directing performers (casting, rehearsal process, developing characterization) will be studied.
Prerequisite: ADA3M1 - However ADF4M1 is highly recommended even if taken concurrently.

ADG4ME Acting, Grade 12, University/College Preparation
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 analyze how the knowledge and skills developed in drama are related to personal skills, social awareness, and goals beyond secondary school. This focus course on acting explores acting theory through various methods: direction, text analysis and contemporary works.
Prerequisite: ADF4M1
Please note: This course is taught concurrently with ADF4M1.

MUSIC
Beal Music offers courses in four focus areas: Guitar, Instrumental, Music and Computers, and Vocal. Regardless of the particular area on which the course is focused, students will be given the opportunity to achieve all the expectations as indicated in the General Course Descriptions for each grade. A student may take more than one music course in the same year, at the same or different grade levels.

Please note that meeting times for band and choir are usually as follows:

Band meets Monday, Wednesday and Friday from 7:15 – 8:15 am
Choir meets Tuesday from 2:35 – 5:00 pm; Wednesday and/or Thursday 2:35 – 4:40 pm

Grade 10 Music Courses emphasize the performance and creation of music at a level consistent with previous experience. Students will develop musical literacy skills by using the creative and critical analysis processes in performance, composition, 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.
Prerequisite: None

AMG2O1 Music: Guitar, Grade 10, Open
This course continues where AMG 1O1 leaves off. Students read notes in higher positions up the fretboard and perform repertoire in a variety of keys. New left and right hand techniques are developed. Chords and the different ways to play them (strum, arpeggio) are a focal point of this course. Theory and songwriting techniques are developed. Significant composers in music history are studied.

AMI2O Music: Instrumental, Grade 10, Open
This course focuses on the performance of brass, woodwind and percussion instruments and is a continuation of the Grade 9 course. Seek advice from Music Teacher in Room 228 to ensure proper course selection.

AMR 2OC Music Instrumental, Repertoire – Band, Grade 10, Open (.5 credit)
This .5 credit course is a continuation of AMR 2OB, taken in Grade 9. The course is scheduled in the morning before the regular school day, runs all year and is usually taken in addition to a full timetable. It includes school and community performances with the Beal Concert Band. It is highly recommended that students also enroll in AMI 2O1. Seek advice from an instrumental music teacher (room 228) to ensure proper course selection.

AMV2O1 Music: Vocal, Grade 10, Open
This Beal Singers vocal course is a continuation of AMV1O1 and can be earned as a ninth credit, as it is usually scheduled outside of regular class times. Students enrolled in Vocal Music should enroll in 9 credits for the year. The course includes performance opportunities at school and in the community. Students in this course can expect some additional time commitments for concerts, as members of the Beal Singers.

Grade 11 Music Courses provide students with opportunities to develop their musical literacy through the performance, creation, appreciation, and analysis 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 analyzing 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: Music, Grade 9 or 10, Open

AMG3O1 Music: Guitar, Senior Beginning, Open
This beginner course is for students in grade ten or higher who did not take guitar in grade nine. No previous music experience is necessary. Students quickly advance to studying standard music notation, developing classical technique and the basics of musical performance. By the end of the course, students will be performing music in two parts (using fingers to play a melody, and thumb for a bass line). Theory is studied in depth, as well as an overview of eras in music history.
Prerequisite: None
THE ARTS

AMG3M1 Music: Guitar, Grade 11, University/College Preparation
If you were successful in AMG 2O1 (pre-requisite) and want to develop your guitar skills even further, this is the course for you. The emphasis in this course is the efficient use of practice time and developing confident performance skills. Test pieces are longer and more challenging, so time management and goal setting are critical skills. Students will know all notes on the guitar by the end of this course and will have amassed a fine repertoire of pieces and the ability to perform sensitively and musically. Theoretical concepts are further developed. Music from the Baroque and Classical eras are studied in depth.
Prerequisite: AMG1O1 or AMG2O1 or AMG3O1. AMG 2O1 is highly recommended.

AMI3M1 Music: Instrumental, Grade 11, University/College Preparation
Course focus is brass, woodwind and percussion instruments as the performing medium. Music theory, history, ear training, and composition are studied with the main emphasis of this course being performance. Classical technique is used and proficiency in music reading is essential.
Prerequisite: AMI2O1 is highly recommended

AMR 3MB Music Instrumental, Repertoire – Band, University/College Preparation (.5 credit)
This .5 credit course is scheduled in the morning before the regular school day and runs all year. It includes school and community performances with the Beal Concert Band. It is highly recommended that students also enroll in AMI 3M1. Seek advice from a Music teacher in Room 228 to ensure proper course selection.
Prerequisite: Grade 9 or 10 Instrumental, but Grade 10 is highly recommended

AMM3M1 Music: Music & Computers, Grade 11, University/College Preparation
Course focus is composition and recording while exploring the science, technology, skills and issues involved in the music recording industry. Students will compose their own songs, investigate the physics of sound and acoustics, and learn to use computers, real and virtual instruments, and Cubase software to create their own audio recordings. Instrumental and/or vocal performance skills are required.
Prerequisite: Any Grade 9 or 10 Music Course

AMV3M1 Music: Vocal, Grade 11, University/College Preparation
This Beal Singers vocal course can be earned as a 9th credit (when scheduled after school usually twice weekly throughout the school year) or as a regular semester course when scheduled during the regular school day (usually first semester). This course includes performance opportunities at school and in the community.
Prerequisite: Grade 9 or 10 Vocal, but Grade 10 is highly recommended

AME3M1 Music: Small Ensemble Vocal, Grade 11, University/College Preparation
Course focus is voice performance (solo and small group singing), including recitals, concerts, as well as preparation for auditions, competitions and festivals. This is a one semester course offered during the regular school day. Students are also encouraged to enroll in AMV3M1 or AMT3M1 during the same school year.
Prerequisite: Grade 9 or 10 Vocal, but Grade 10 is highly recommended

Grade 12 Music Courses enable students to enhance their musical literacy through the performance, creation, appreciation and analysis 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 analyze how to apply skills developed in music to their life and careers. Prerequisite: Music, Grade 11, University/College Preparation

AMG4M1 Music: Guitar, Grade 12, University/College Preparation
a continuation of AMG3M1. Skills will be developed further, test pieces will continue to offer a greater challenge, and the emphasis remains on performance, time management and goal setting. The aim of this course is to develop your skills to a level where you could audition for post-secondary studies in music. Theoretical concepts are further developed. Music from the Romantic and Modern eras are studied in depth.
Prerequisite: AMG3M1

AMI4M1 Music: Instrumental, Grade 12, University/College Preparation
This course will focus on the performance of brass, woodwind & percussion instruments and is a continuation of the Grade 11 course. Music theory, history, ear training, and composition are studied with the main emphasis of this course being performance.
Prerequisite: AMI3M1

AMM4M1 Music and Computers, Grade 12, University/College Preparation
Course focus is on goal setting, time management, and working as part of a team while writing and recording music using real-world studio techniques. Cubase software will be utilized in greater detail. Students will expand their skills working with real and virtual instruments. A greater emphasis is placed on understanding reverb, compression and equalization. The science of room acoustics will be studied.
Prerequisite: AMM 3M1, fluency in performance on an instrument or voice is strongly recommended

AMR 3MC Music Instrumental, Repertoire – Band, University/College Preparation (.5 credit)
This .5 credit course is a continuation of AMR 3MB, taken in Grade 11. It is scheduled before the regular school day and runs all year. This course includes school and community performances with the Beal Concert Band. It is highly recommended that students also enroll in AMI 4M1. Seek advice from a Music teacher in Room 228 to ensure proper course selection.
Prerequisite: Grade 9 or 10 Instrumental, but Grade 10 is highly recommended
THE ARTS

AMV4M1 Music: Vocal, Grade 12, University/College Preparation
This advanced Beal Singers vocal course can be earned as a 9th credit (when scheduled after school usually twice weekly throughout the school year) or as a regular semester course when scheduled during the regular school day (usually first semester). This course includes performance opportunities at school and in the community.
Prerequisite: AMV3M1

AME4M1 Music: Small Ensemble Vocal, Grade 12, University/College Preparation
Course focus is advanced voice performance (solo and small group singing), including recitals, concerts, as well as preparation for auditions, competitions and festivals. This one semester course is offered during the regular school day. Students are also encouraged to enroll in AMV4M1 or AMT4M1 during the same school year.
Prerequisite: AMV3M1, AMT3M1
Please note: Vocal Music Courses can be included in requirements for the Special High Skills Major Diploma.

MUSICAL THEATRE

BEAL MUSICAL THEATRE (BMT) students who select this 3-credit program on their registration form will need to complete an application package, audition and interview for admission to the program (Usually February or March). Students in this program will mount a major musical production in the Beal Auditorium in early May for the London Community, be involved in Musical Outreach Tours in June, and complete independent & group work involving planning, marketing and producing.
Program prerequisite: Students must complete Grade 9 or 10 credits in either Vocal Music, Drama, or Dance.
Audition and interview required. See Department Head of Dance/Drama for application package and more information.

ATU3M1 Beal Musical Theatre - Dance, Grade 11, University/College Preparation
This course emphasizes the development of students’ artistry, improvisational and compositional skills, and technical proficiency in dance. 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.

ADB3M1 Beal Musical Theatre - Drama, Grade 11, University/College Preparation
This course requires students to create and perform in dramatic presentations. Students will analyze, interpret, and perform dramatic works. Students will research various acting styles and conventions that could be used in their presentations, and analyze the functions of playwrights, directors, actors, designers, technicians, and audiences.

AMT3M1 Beal Musical Theatre - Vocal, Grade 11, University/College Preparation
This course provides students with opportunities to develop their musical literacy through the performance, creation, appreciation, and analysis 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 analyzing 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.

ATU4M1, ADB4M1, AMT4M1 Beal Musical Theatre – Grade 12, University/College Preparation
Students wishing to extend their Beal Musical Theatre experience should see the Department Head of Dance/Drama for more information and the required application.

VISUAL ARTS

AVI20 Visual Arts, Grade 10 Open
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.
Prerequisite: None

AWD20 Visual Arts, Enriched Grade 10 Open
This course offers a studio focus art credit that builds on foundations explored in Grade 9, which may be taken in addition to the standard Grade 10 AVI art course or as a replacement. This course focuses on technical processes as they are applied to specific projects and materials based on students’ personal themes and concepts. A section on design concepts is followed by three studio focus areas, which are printmaking, sculpture and painting and drawing. There is an emphasis on elements and principles of design, sketchbooks, drawing from imagination and observation, art history, talking and writing about art, critique and analysis with a new emphasis on revision.
Pre-requisites: Grade 9 or AVI 1O1 or AWD 1O1

AWA20 Visual Arts - Crafts, Grade 10 Open
This Grade 10 Visual Arts course will introduce students to a “hands on” experience in the creation of art using a variety of materials and processes. The main goal of this program is to show the relationship of concepts, materials, and craftsmanship through project – driven exercises. This course has been created for students who want a single art credit but are not intending to take any senior visual art courses.
Prerequisite: None

AVI30 Visual Arts, Grade 11 Open
This course focuses on studio activities in one or more of the visual arts, including drawing, painting, sculpture, photography, printmaking, collage, and/or multimedia art. Students will use the creative process to create artworks 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.
Prerequisite: None
AVI3M Visual Arts, Grade 11 University/College Preparation
This course enables students to further develop their knowledge and skills in visual arts. Students will use the creative process to explore a wide range of themes through studio work that may include drawing, painting, sculpting, and printmaking, as well as the creation of collage, multimedia works, and works using emerging technologies. Students will use the critical analysis process when evaluating their own work and the work of others. The course may be delivered as a comprehensive program or through a program focused on a particular art form (e.g., photography, video, computer graphics, information design).
**Prerequisite:** AVI101, AWD101, AVI201, AWD 201

AVI4M Visual Arts, Grade 12 University/College Preparation
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:** Visual Arts, Grade 11, University/College Preparation, AVI3M1

Bealart Program Packages

**NOTE:** Credits previously earned at other secondary schools may be duplicated in the Bealart program. **NO ADDITIONAL CREDIT will be awarded**, however the highest mark will be considered as the earned credit and an “R” repeat will be reflected adjacent to the duplicate credit on the Ontario Student Transcript.

**Grade 11 – Foundations 1, Art and English**

Semester 1 – AVI3MK AWP3MK
Semester 2 – AWO3MK ENG3CK / ENG3UK
During the Grade 11 Foundation year, students will rotate through 8 Studios for a half day, each day, over the course of the entire year. This package of credits also provides opportunity for students to gain an English (ENG3C or ENG3U) credit by focusing on reading and writing for the Arts. Studio disciplines include: Photography, Ceramics, Sculpture, Painting, Printmaking, Drawing and Concept Design.
**Pre-requisites:** AWD101, AWD201 OR AVI101, AVI201 plus portfolio review.

**Grade 12 Foundations 2**

Semester 1 – AVI4MM AWP4MM
Semester 2 – AWO4MM AWQ4MM
Grade 12 Foundations 2 is a continuation of the grade 11 Foundations 1. Students experience a rigorous Studio rotation, touring through 10 Studios for a half day throughout the entire year.
**Studies include:** Photography, Ceramics, Sculpture, Painting, Intaglio, Illustration, Lithography, Textiles, Life Drawing, Art History, Film & Animation.
**Pre-requisites:** Grade 11 Foundations 1

**Grade 12 Studio Practice (equivalent to Foundations 1 and 2)**

Semester 1 AWC4MF AWI4MF AVI4MF AWR4MF
Semester 2 AWO4MF AWP4MF AWK4MF AWO4MF

The Grade 12 Studio Practice Program is a full day, every day, 10 Studio rotation over the course of 1 school year. Applicants must have completed all compulsory courses in order to graduate prior to registering. This program is 8 credits.
**Studio explorations include:** Ceramics, Photography, Illustration, Film & Animation, Painting, Etching, Lithography, Sculpture and Textiles. The Grade 12 Studio Practice program is intended to introduce students to techniques and processes of professional art practice and give them an opportunity to hone their own skills while building a portfolio with which to enter Post-Secondary art studies or their own professional art practice.
**Pre-requisites:** 18 OSSD Compulsory credits, AVI3M Entrance requirements: Portfolio review and interview; Students must participate in a portfolio review to enter this program. Review and interview dates and requirements are posted at [http://bealart.com/aboutus/application/](http://bealart.com/aboutus/application/)

**Grade 12 Specialist**

Semester 1 AWN4MS | AWF4MS | AWA4MS | AWD4MS
Semester 2 AWS4MS | AWT4MS | AWL4MS | AWO4MS

The Specialist year is an intensive, one year, exploration of Studio art practice. Students that are successful in completing either the Grade 12 Foundations 2 or Grade 12 Studio Practice courses, may elect to return and focus on 2 studios for an entire year. This is augmented by a rigorous Drawing program and comprehensive Art History studies. This program is 8 credits.
**Pre-requisites:** Grade 12 Studio Practice or Foundations 2 with a Recommended minimum 70% grade average
BUSINESS STUDIES

ACCOUNTING

BAF3M1  Financial Accounting Fundamentals, Grade 11, University/College Preparation
This course introduces students to the fundamental principles and procedures of accounting. Students will develop financial analysis and decision-making skills that will assist them in future studies and/or career opportunities in business. Students will acquire an understanding of accounting for a service and a merchandising business, computerized accounting, financial analysis, and current issues and ethics in accounting.
Prerequisite: None

BAT4M1  Financial Accounting Principles, Grade 12 University/College Preparation
This course introduces students to advanced accounting principles that will prepare them for postsecondary 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 further develops accounting methods for assets and introduces accounting for partnerships, corporations, and sources of financing.
Prerequisite: BAF3M1

BUSINESS STUDIES

COMPUTER STUDIES, INFORMATION and COMMUNICATION TECHNOLOGY

BTT2O1  Information and Communication Technology in Business, Grade 10, Open
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. The software learned in this course is extremely useful in any other course taken throughout high school. The software skills are useful in the preparation of essays, research, reports and presentations. Note: If BTT1O1 is taken, student cannot take BTT2O1.
Prerequisite: None

ICS2O1  Introduction to Computer Studies, Grade 10, Open
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.

BTA3O1  Information and Communication Technology: The Digital Environment, Grade 11, Open
This course prepares students for the digital environment. Using a hands-on approach, students will further develop information and communication technology skills through the use of common business software applications. The concept and operation of e-business will be explored, and students will design and create an e-business website. The skills developed in this course will prepare students for success in the workplace and/or postsecondary studies.
Prerequisite: None

ICS3C1  Introduction to Computer Programming, Grade 11, College Preparation
This course introduces students to computer programming concepts and practices with an aim to programming computer games. 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 practices, emerging technologies, and postsecondary opportunities in related fields.
Prerequisite: None

ICS3U1  Introduction to Computer Science, Grade 11, University Preparation
This course introduces students to computer science with an aim to programming computer games. 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.
Prerequisite: None

ICS4C1  Computer Programming, Grade 12, College Preparation
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: ICS3C1

ICS4U1  Computer Science, Grade 12, University Preparation
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 analyze 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: ICS3U1
BUSINESS STUDIES

ENTREPRENEURSHIP

BDI3C1 Entrepreneurship: The Enterprising Person, Grade 11, College Preparation
This course focuses on ways in which entrepreneurs recognize opportunities, generate ideas, and organize resources to plan successful ventures that enable them to achieve their goals. Students will create a venture plan for a 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.
Prerequisite: None

BDV4C1 Entrepreneurship: Venture Planning in an Electronic Age, Grade 12, College Preparation
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 complete the components of a venture plan that includes a website.
Prerequisite: None

BDI3CF / BDV4CF Aboriginal Entrepreneurship Grade 11 & 12, College Preparation
The Aboriginal Youth Entrepreneurship Program (AYEP) is designed to improve Aboriginal students' proficiency in academics and information and communications technology, while learning leadership and technology skills. Using innovative hands-on activities, guest speakers, and business mentors, Aboriginal students learn how to create a product or service-based business. The content includes teaching students about: selection of a business venture, awareness of legal requirements, development of a business plan, knowledge of accounting principles, managing a business, fundamentals of marketing and the importance of philanthropy. These courses are meant to be taken as a 2 credit package and students are encouraged to enroll in the AYEP SHSM program to take advantage of business certifications and reach ahead activities.
Prerequisite: None

INTERNATIONAL BUSINESS

BBB4M1 International Business Fundamentals: Grade 12, University/College Preparation
This course provides an overview of the importance of international business and trade in the global economy and explores the factors that influence success in international markets. Students will learn about the techniques and strategies associated with marketing, distribution, and managing international business effectively. This course prepares students for postsecondary programs in business, including international business, marketing, and management.
Prerequisite: None

MARKETING

BMI3C1 Marketing: Goods, Services, Events, Grade 11, College Preparation
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.
Prerequisite: None

BMX3E1 Marketing: Retail and Service, Grade 11, Workplace Preparation
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 the 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.
Prerequisite: None

BUSINESS LEADERSHIP

BOH4M1 Business Leadership: Management Fundamentals, Grade 12, University/College Preparation
This course focuses on the development of leadership skills used in managing a successful business. Students will analyze 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.
Prerequisite: None

GENERAL BUSINESS

BBI2O1 Introduction to Business, Grade 10, Open
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.
Prerequisite: None  Note: If BBI1O1 is taken, student cannot take BBI2O1.
BUSINESS STUDIES

INVESTMENT and FINANCE

IDC4UF  Investment and Finance (Interdisciplinary Studies) Grade 12, University Preparation
This course will provide an opportunity to learn about investing and financial management for both individuals and corporations. The course will investigate capital markets with a focus on Canadian stock market(s), and other financial securities and how they affect both the individual investor and corporations. Students enrolled in this class will partake in an investment contest where they are required to actively manage a hypothetical portfolio on-line over the semester. Students will analyze companies and scrutinize their corporate strategies. Events in the business news, and the effects on corporations will be discussed and interpreted as well as personal investment. Important note: Students are able to complete One Grade 12 Interdisciplinary Studies course for credit.
Prerequisite: Any U / M preparation course – Only one IDC 4U course can be applied toward your top 6 for admission to University

BUSINESS CERTIFICATE
Students are eligible for a Business Studies Certificate upon graduation if they have completed at least five Business Studies/Computer Studies courses with an average of 65 percent among the five credits. Students should complete an application form, available from the Business Studies Department Head.

CANADIAN and WORLD STUDIES

ECONOMICS

CIA4U1  Analyzing Current Economic Issues, Grade 12, University Preparation
This course explores the choices that individuals and societies make about the use of resources in a competitive global economy. Students will use economic concepts and models, as well as methods of economic inquiry, to analyze current economic issues and make informed economic choices based on their analysis.
Prerequisite: Any U / M course in Canadian and World Studies, English, or Social Sciences and Humanities

GEOGRAPHY

CGG3O1  Travel and Tourism: A Geographic Perspective, Grade 11, Open
This course focuses on issues related to travel and tourism within and between various regions of the world. Students will investigate unique environmental, sociocultural, economic, and political characteristics of selected world regions. They will explore travel patterns and trends as well as tensions related to tourism, and will predict future tourism destinations. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate the impact of the travel industry on natural environments and human communities.
Prerequisite: Issues in Canadian Geography, Grade 9, Academic or Applied

CGF 3M1  Forces of Nature: Physical Processes and Disasters, Grade 11 University/College Preparation
In this course, students will explore physical processes related to the earth’s water, land, and air. They will investigate how these processes shape the planet’s natural characteristics and affect human systems, how they are involved in the creation of natural disasters, and how they influence the impacts of human disasters. Throughout the course, students will apply the concepts of geographic thinking and the geographic inquiry process and use spatial technologies to analyze these processes, make predictions related to natural disasters, and assess ways of responding to them.
Prerequisite: Issues in Canadian Geography, Grade 9, Academic or Applied.

CGR4M1  The Environment and Resource Management, Grade 12, University/College Preparation
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 U / M / C course in Canadian and World Studies, English, or Social Sciences and Humanities

CGW4U1  World Issues: A Geographic Analysis, Grade 12, University Preparation
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 U / M course in Canadian and World Studies, English, or Social Sciences and Humanities (offered in 2020-2021)

HISTORY

CHC2P1, CHC2PL  Canadian History since World War I, Grade 10, Applied
This course focuses on the social context of historical developments and events and how they have affected the lives of people in Canada since 1914. Students will explore interactions between various communities in Canada as well as contributions of individuals and groups to Canadian heritage and identity. Students will develop their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating the continuing relevance of historical developments and how they have helped shape communities in present-day Canada.
Prerequisite: None
**CANADIAN and WORLD STUDIES**

**CHC2D1 Canadian History since World War I, Grade 10, Academic**
This course explores social, economic, and political developments and events and their impact on the lives of different groups in Canada since 1914. Students will examine the role of conflict and cooperation in Canadian society, Canada’s evolving role within the global community, and the impact of various individuals, organizations, and events on Canadian identity, citizenship, and heritage. They will develop their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating key issues and events in Canadian history since 1914.

Prerequisite: None

**CHV2OS Civics, Grade 10, Open (0.5 credit)**
This course explores rights and responsibilities associated with being an active citizen in a democratic society. Students will explore issues of civic importance such as healthy schools, community planning, environmental responsibility, and the influence of social media, while developing their understanding of the role of civic engagement and of political processes in the local, national, and/or global community. Students will apply the concepts of political thinking and the political inquiry process to investigate, and express informed opinions about, a range of political issues and developments that are both of significance in today’s world and of personal interest to them.

Prerequisite: None

**NAC2O1 Aboriginal Peoples in Canada, Grade 10, Open**
This course emphasizes historical and contemporary issues that affect the relationship between Aboriginal peoples and Canadian governments. Students will examine legal, political, social, and economic issues; key aspects of the Indian Act and its revisions that have an impact on the daily lives of Aboriginal persons; the different types of relationships that Aboriginal peoples have established with other nations throughout history. This course is open to all students.

Prerequisite: None

**HISTORY**

**CHT3O1 Twentieth-Century History: Global & Regional Perspectives, Grade 11, Open**
This course focuses on events and issues in twentieth-century world history. Students will analyze issues relating to the two world wars, the Cold War, post-1945 regional conflicts, human rights, changes in everyday life, and the problems facing developing countries. The skills and knowledge developed in the course will help students understand and analyze the challenges facing peoples, both historically and at the present time, in various parts of the world.

Prerequisite: CHC2D1, CHC2P1

**CHW3M1 World History to the Sixteenth Century, Grade 11, University/College Preparation**
This course investigates the history of humanity from earliest times to the sixteenth century. Students will analyze diverse societies from around the world, with particular regard to the political, cultural, and economic structures and historical forces that form the foundation of the modern world. They will examine the influence of selected individuals and groups, as well as of particular innovations, and will develop skills of historical inquiry, organization, analysis, and communication.

Prerequisite: CHC2D1, CHC2P1

**CHY4U1 World History: The West and the World, Grade 12, University Preparation**
This course investigates the major trends in Western civilization and world history from the sixteenth century to the present. Students will learn about the interaction between the emerging West and other regions of the world and about the development of modern social, political, and economic systems. The skills and knowledge developed in this course will enable students to understand and appreciate both the character of historical change and the historical roots of contemporary issues.

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

**NBV3C1 Aboriginal Beliefs, Values, and Aspirations in Contemporary Society, Grade 11, College Preparation**
This course focuses on the beliefs, values, and aspirations of Aboriginal peoples in Canada. Students will examine world views of Aboriginal peoples and political, economic, cultural, and social challenges facing individuals and communities. Students will also learn how traditional and contemporary beliefs and values influence the aspirations and actions of Aboriginal peoples. This course is open to all students.

Prerequisite: NAC2O1, CHC2P1, or CHC2D1

**NDA3M1 Current Aboriginal Issues in Canada, Grade 11, University/College Preparation**
This course focuses on existing and emerging issues of importance to Aboriginal peoples in Canada. Students will investigate issues related to identity, relationships among Aboriginal peoples and between Aboriginal peoples and other Canadians, sovereignty principles as presented by Aboriginal peoples, and the contemporary challenges posed by these issues. Students will also examine such topics as language preservation, the responsibilities of Aboriginal women and men, and the need for dialogue between Aboriginal and non-Aboriginal peoples.

Prerequisite: Aboriginal Peoples in Canada, Grade 10, Open or CHC 2D1 or CHC 2P1

**NDG4M1 Aboriginal Governance: Emerging Directions, Grade 12, University/College Preparation**
This course investigates how Aboriginal governments exercise authority and demonstrate responsibilities associated with governance in Canada. Students will explore Aboriginal world views regarding identity, relationships among and between Aboriginal peoples and other Canadians, and Aboriginal definitions of sovereignty. Students will also compare traditional and contemporary forms of Aboriginal governance and will examine Aboriginal and Canadian relations, focusing on empowerment and the inherent right to self-government. This course is open to all students.

Prerequisite: NBV3C1 or NBE3C1

**NDW4M1 Issues of Indigenous Peoples in a Global Context, Grade 12, University/College Preparation**
This course provides students with an overview of the issues and challenges that confront indigenous peoples worldwide. Students will develop an understanding of the concerns and aspirations of the world’s indigenous population, plan and conduct research on global issues that have an impact on indigenous peoples, and use information technology to consult materials related to the views of indigenous peoples throughout the world. This course is open to all students.

Prerequisite: NBV3C1 or NBE3C1
LAW

CLU3E1  Understanding Canadian Law, Grade 11, Workplace Preparation
This course explores elements of Canadian law that are relevant to students as they prepare to enter the labour force. Students will learn to develop informed opinions on legal issues and to express and defend their opinions in a variety of ways. Practical experience and active learning strategies will be emphasized.
Prerequisite: CHC2D1, CHC2P1

CLU3M1  Understanding Canadian Law, Grade 11, University/College Preparation
This course explores legal issues that directly affect students' lives. Students will acquire a practical knowledge of Canada's legal system and learn how to analyze legal issues. They will also be given opportunities to develop informed opinions on legal issues and to defend those opinions and communicate legal knowledge in a variety of ways and settings, including legal research projects, mock trials, and debates.
Prerequisite: CHC2D1, CHC2P1

CLN4U1  Canadian and International Law, Grade 12, University Preparation
This course explores elements of Canadian law and the role of law in social, political, and global contexts. Students will learn about the connections between the historical and philosophical sources of law and issues in contemporary society. They will also learn to analyze legal issues, conduct independent research, and communicate the results of their inquiries in a variety of ways.
Prerequisite: CLU3M1 or any U or M course in Canadian and World Studies, English, or Social Sciences and Humanities
COOPERATIVE EDUCATION

CO-OP is a two credit program that occurs during consecutive periods in the morning or afternoon OR a four credit all day experience.

Full day co-op is recommended for any students in the technology and trades areas, but can be selected by any student with space in their timetable. Some placements require a Police Records Check, a TB 2 step test and/or immunization verification.

For a single Co-op select: GWL3OD
For a second Co-op experience select: GLN4OD and GWL3OD
For a full day Co-op select: GLD2OD
For a Military Co-op experience select: GLC2OD

Linked Co-op course
This course consists of a community-connected experience and a cooperative education curriculum that incorporates relevant expectations from the student’s related course (or courses). Students will develop skills, knowledge, and habits of mind that will support them in their learning at school and beyond, today and in the future, as well as in their education and career/life planning. Within the context of the community-connected experience, students will apply, extend, and refine skills and knowledge acquired in their related course and will apply skills, knowledge, and habits of mind that will protect and promote their health, safety, and well-being. They will create and implement a learning plan that meets their particular interests and needs, reflect on their learning, and make connections between their experience in the community and other aspects of their lives.
Prerequisite: None

DCO3O Creating Opportunities through Co-op, Grade 11 Open
This course consists of a community-connected experience and a cooperative education curriculum focused on developing skills, knowledge and habits of mind that will support students in their learning at school and beyond, today and in the future, as well as in their education and career/life planning. Within the context of the community-connected experience, students will apply skills, knowledge, and habits of mind that will protect and promote their health, safety, and well-being and that will strengthen their inquiry, decision-making, and leadership skills. Students will create and implement a learning plan that meets their particular interests and needs, reflect on their learning, and make connections between their experience in the community and other aspects of their lives.
Prerequisite: None

MILITARY CO-OP (Army and Navy) This is a PAID Co-Op position that requires approval through an application process at Forces.ca
A Military Cooperative Education experience is now available through Beal’s Cooperative Education program. Students will experience military life through this placement. They will be required to complete the proper application process for entering the military reserves which will include the application, references, screening, physical exam, and other standard military testing. Students must be at least 16 years of age and have completed at least 16 secondary school credits. Students under 18 will require parental permission to take part in this program. Successful entry into the program will mean that students will be members of the Reserves. They will complete their Basic Soldier Qualification during the course. It is offered only semester 2 afternoon.

Cooperative Education is available in many occupations such as:
ART-Animation, Graphic Design Accounting, Computer Studies
BUSINESS-Marketing, Retailing, Law, Computer design
COMMUNICATIONS-Graphic Design, Broadcasting (Radio, TV and Web); Programmer
CONSTRUCTION-Electrical, Woodworking, Plumbing, Design, Architecture, Masonry
DANCE, PERFORMING ARTS- Dance Instructor, Set Design
HEALTH CARE-Nursing, Cosmetology, Hair, Cosmetology and Hair Styling, Esthetic, Nursing, Health Research, Elder Care, Veterinary Technician,
Science Research, Police Officer, Lawyer, Crown Attorney, Military, Sales, Studio
Military – Army and Navy
RECREATION- Sports Instructor, Fitness Trainer, Massage Therapist, Physical Therapist
TRANSPORTATION-Auto Technician, Truck, Auto Body .... and many more!

OYAP - Ontario Youth Apprenticeship Program
What is apprenticeship? Apprenticeship is a hands-on, earn while you learn, training program for people who want to work in the skilled trades occupations. The training program involves on-the-job training for about 90% of the time by sponsors of training or employers. The remainder involves the study of theory usually obtained at a community college.
What is OYAP? (Ontario Youth Apprenticeship Program)
OYAP is a specialized program that will provide secondary school students the opportunity to train as an apprentice while still enrolled in high school. OYAP students accumulate hours and master skills towards a Certificate of Qualification in a skilled profession as they earn their Ontario Secondary School Diploma (OSSD). OYAP gives high school students a head start on becoming skilled professionals and helps to provide a smooth transition into their post-secondary work and education.

Students interested in OYAP must:
* be 16 years of age and have successfully completed 16 credits. * be enrolled as a full time student * demonstrate competency in the trade-related subject(s) * demonstrate a mature attitude and commitment to apprenticeship goal * and plan their courses carefully so that all graduation requirements are met. Please note: A student’s acceptance into the OYAP program does NOT guarantee that a student will be “registered” as an apprentice. School staff will do their best to locate a position, but placements and registrations rely on the size and type of placement, opportunities within the community, on economic conditions, and on job performance skills demonstrated by the student.

OYAP is identified by the trade you select and will automatically be applied to your program.
ENG2L1 English, Grade 10, Locally Developed
Students focus on extending their literacy and communication skills to prepare for success in their daily lives, in the workplace, and in the Grade 11 Workplace preparation course. The course is organized by strands that extend listening and talking skills, reading and viewing skills, and writing skills. In all strands, the focus is on refining foundational literacy skills and on using language clearly and accurately in a variety of authentic contexts. Students build on their strategies and engage in the processes involved in talking, listening, reading, viewing, writing, and thinking. Students reflect upon their growth in these areas.
Prerequisite: ENG1L1, ENG1P1

ENG2P1 English, Grade 10, Applied
This course is designed to extend the range of oral communication, reading, writing, and media literacy skills that students need for success in secondary school and daily life. Students will study and create a variety of informational, literary, and graphic texts. An important focus will be on the consolidation of strategies and processes that help students interpret texts and communicate clearly and effectively. This course is intended to prepare students for the compulsory Grade 11 college or workplace preparation course.
Prerequisite: ENG1P1, ENG1D1

ENG2PF FNMI English, Grade 10, Applied
This course is designed to extend the range of oral communication, reading, writing, and media literacy skills that students need for success in their secondary school academic programs and in their daily lives. Students will study and create a variety of informational, literary, and graphic texts centered around FNMI culture and literature. 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: ENG1P1, ENG1D1

ENG2D1 English, Grade 10, Academic
This course is designed to extend the range of oral communication, reading, writing, and media literacy skills that students need for success in their secondary school academic programs and in their daily lives. Students will analyze literary texts from contemporary and historical periods, interpret and evaluate informational and graphic texts, and create oral, written, and media texts in a variety of forms. An important focus will be on the selective use of strategies that contribute to effective communication. This course is intended to prepare students for the compulsory Grade 11 university or college preparation course.
Prerequisite: ENG1D1, ENG1P1

ENG3E1 English, Grade 11, Workplace Preparation
This course emphasizes the development of literacy, communication, and critical and creative thinking skills necessary for success in the workplace and in daily life. Students will study the content, form, and style of a variety of contemporary informational, graphic, and literary texts. They will also 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: ENG2P1, ENG2L1

ENG3C1 English, Grade 11, College Preparation
This course emphasizes the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will study the content, form, and style of a variety of informational and graphic texts, as well as literary texts from Canada and other countries, and create oral, written, and media texts in a variety of forms for practical and academic purposes. An important focus will be on using language with precision and clarity. The course is intended to prepare students for the compulsory Grade 12 college preparation course.
Prerequisite: ENG2P1, ENG2D1

NBE3C1 English: Contemporary Aboriginal Voices, Grade 11, College Preparation
This course emphasizes the development of literacy, critical thinking, and communication skills through the study of works in English by Aboriginal writers. Students will study the content, form, and style of informational texts and literary works, and will develop an appreciation of the wealth and complexity of Aboriginal writing. Students will also write reports, correspondence, and persuasive essays and analyze the relationship between media forms and audiences. An important focus will be on establishing appropriate voice and using business and technical language with precision and clarity. This course may be used to meet the Grade 11 English compulsory credit requirement.
Prerequisite: ENG2P1, ENG2D1

ENG3U1 English, Grade 11, University Preparation
This course emphasizes the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyze challenging literary texts from various periods, countries, and cultures, as well as a range of informational and graphic texts, and create oral, written, and media texts in a variety of forms. An important focus will be on using language with precision and clarity and incorporating stylistic devices appropriately and effectively. The course is intended to prepare students for the compulsory Grade 12 university or college preparation course.
Prerequisite: ENG2D1

ENG4E1 English, Grade 12, Workplace Preparation
This course emphasizes the consolidation of literacy, communication, and critical and creative thinking skills necessary for success in the workplace and in daily life. Students will analyze informational, graphic, and literary texts and create oral, written, and media texts in a variety of forms for workplace-related and practical purposes. An important focus will be on using language accurately and organizing ideas and information coherently. The course is intended to prepare students for the workplace and active citizenship.
Prerequisite: ENG3E1

ENG4C1 English, Grade 12, College Preparation
This course emphasizes the consolidation of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyze a variety of informational and graphic texts, as well as literary texts from various countries and cultures, and create oral, written, and media texts in a variety of forms for practical and academic purposes. An important focus will be on using language with precision and clarity and developing greater control in writing. The course is intended to prepare students for college or the workplace. Prerequisite: ENG3C1, ENG3U1, NBE3C1
NOTE: Students may only take one of the following two courses for credit achievement on the Ontario Student Transcript.

ENGU4U - English, Grade 12, University Preparation
This course emphasizes the consolidation of the literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyze a variety of challenging literary texts from various periods, countries, and cultures; interpret and evaluate informational and graphic texts; and create oral, written, and media texts in a variety of forms. An important focus will be on using academic language coherently and confidently, selecting the reading strategies best suited to particular texts and particular purposes for reading, and developing greater control in writing. The course is intended to prepare students for university, college, or the workplace.
Prerequisite: ENG3U1

ENG4U5 - Grade 12 University English with Science Focus
This course emphasizes the consolidation of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyze a variety of challenging science-based texts from various periods, countries, and cultures; interpret and evaluate informational and graphic texts; and create oral, written, and media texts in a variety of forms. An important focus will be on using academic language coherently and confidently, selecting the reading strategies best suited to particular texts and particular purposes for reading, and developing greater control in writing. The course is intended to prepare students with an interest in science for university, college, or the workplace.
Prerequisite: ENG3U1

OLC4O1 Ontario Secondary School Literacy Course, Grade 12, Open
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 requirements. 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.

Eligibility requirement: Students who have been eligible to write the Ontario Secondary School Literacy Test (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.

OPTIONAL COURSES

EMS3O1 Media Studies, Grade 11, Open
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 analyzing 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 judgment, and skills in viewing, representing, listening, speaking, reading, and writing.
Prerequisite: ENG2O1, ENG2P1

EPS3O - Presentation and Speaking Skills
This course emphasizes the knowledge and skills required to plan and make effective presentations and to speak effectively in both formal and informal contexts, using such forms as reports, speeches, debates, panel discussions, storytelling, recitations, interviews, and multimedia presentations. Students will research and analyse the content and characteristics of convincing speeches and the techniques of effective speakers; design and rehearse presentations for a variety of purposes and audiences; select and use visual and technological aids to enhance their message; and assess the effectiveness of their own and others’ presentations.
Prerequisite: ENG2P1, ENG2D1

EWC4C1 The Writer's Craft, Grade 12, College Preparation
This course emphasizes knowledge and skills related to the craft of writing. Students will investigate models of effective writing; use a workshop approach to write a variety of works; and make considered decisions for improving the quality of their writing. They will also complete a creative or analytical independent study project and investigate opportunities for publication and for writing careers.
Prerequisite: ENG3C1

EWC4U1 The Writer's Craft, Grade 12, University Preparation
This course emphasizes knowledge and skills related to the craft of writing. Students will analyze models of effective writing, use a workshop approach to produce a range of works, identify and use techniques required for specialized forms of writing, and identify effective ways to improve the quality of their writing. They will also complete a major paper as part of a creative or analytical independent study project and investigate opportunities for publication and for writing careers.
Prerequisite: ENG3U1

ETS4U - Studies in Literature
This course is for students with a special interest in literature and literary criticism. The course may focus on themes, genres, time periods, or countries. Students will analyse a range of forms and stylistic elements of literary texts and respond personally, critically, and creatively to them. They will also assess critical interpretations, write analytical essays, and complete an independent study project.
Prerequisite: ENG3U1
ENGLISH as a SECOND LANGUAGE and ENGLISH LITERACY DEVELOPMENT

*All courses marked with a “*” are open to students at other levels of ESL/ELD in consultation with the ESL Department.

ESL/ELD LEVEL 1 COURSES

ESLA01  English as a Second Language, Level 1, Open
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.
Prerequisite: None

ELDA01  English Literacy Development, Level 1, Open
This course is intended for English language learners who have had limited access to schooling; 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.

BTT1OR Information Technology in Business, Level 1, Open
This modified course introduces ESL/ELD students to the use of information and communication technology in a business environment. Students will learn how to use information technology in a work environment, perform electronic research, communicate electronically, and use common business software. They will also explore possible future occupations in information technology.

GLS1OR Learning Strategies, ESL/ELD Level 1, Open
This adapted course for ESL students will develop language and literacy skills, explore learning strategies and help students become better, more independent learners while increasing their personal management skills, both in school and in other contexts. Students will learn how to develop and apply a range of strategies to improve their learning and achievement.

HIF1OR Individual and Family Living, ESL/ELD Level 1, Open
This modified course for beginning ESL students will develop language and literacy skills while exploring the challenges faced by all people: how to meet basic needs, how to relate to others, how to manage resources, and how to become responsible members of society. Students will acquire knowledge and skills that are needed to make the transition to adulthood. Teachers will instruct students in developing interpersonal, decision-making, and practical skills related to daily life. Students will explore the functioning of families and the diversities found among families and within society.

MAT1LL Essential Mathematics, ELD Level 1, Locally Developed
This modified course develops the basic mathematics skills of students who have experienced disruptions in their formal education. Students will begin work at their own level and progress to develop mathematical ideas and methods through hands-on activities and to extend their problem-solving experiences in a variety of applications.

ESL/ELD LEVEL 2 COURSES

ESLB01  English as a Second Language, Level 2, Open
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: ESLAO1, or equivalent*

ELDB01  English Language Development, Level 2, Open
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 and diversity.
Prerequisite: ELDA01, or equivalent

*GLD2OL Discovering the Workplace, Level 2, Open
This course provides English language learners with opportunities to discover and develop the workplace essential skills and work habits required to be successfully employed. Students will develop an understanding of work through practical hands-on experiences in the school and in the community, using real workplace materials. They investigate occupations of interest through experiential learning opportunities. This course helps students make plans for continued learning and work.
ENGLISH as a SECOND LANGUAGE and ENGLISH LITERACY DEVELOPMENT

*CHV2OR Civics, ESL Level 2, Open (0.5 credit)
This half-course is modified for ESL/ELD students explores what it means to be an informed, participating citizen in a democratic society. Students will learn about the elements of democracy and the meaning of democratic citizenship in local, national and global contexts. In addition, students will learn about social change, examine decision-making processes in Canada, explore their own and others' beliefs and perspectives on civics questions, and learn how to think and act critically and creatively about public issues.

*GLC2OR Career Studies, ESL Level 2, Open (0.5 credit)
This modified half-course teaches ESL/ELD students how to develop personal goals in education and work and contribute to their community. Student learning will include assessing their own knowledge, skills, and characteristics and investigating economic trends, workplace organization, work opportunities, and ways to search for work. The course explores post-secondary learning options, prepares students for community-based learning, and helps build the capabilities needed for managing work and life transitions. Students will design action plans for pursuing their goals

*CCG1PR Geography of Canada, Level 2, Applied
This modified course for ESL/ELD students will use a variety of frameworks including natural and human systems to help students learn about the geography of Canada. Students will use a variety of inquiry and communication methods to explore Canada's distinct character and relationship within the global community. An optional field trip is included.

*MAT2LL Mathematics, ESL Level 2, Locally Developed
In this modified course ESL/ELD students begin work at their own level and progress to develop mathematical ideas and methods through hands-on activities and to extend their problem-solving experiences in a variety of applications. Students will solve problems involving rational expressions, number sense, and unit rates; algebra; applications of linear functions; and investigate geometric problems. The effective use of technology in learning and in solving problems will be a focus of this course. The course prepares students for further studies in mathematics at the academic, applied and workplace levels.

*SCN1PR Science, Level 2 ESL, Applied
This modified course for ESL/ELD students enables them to understand basic concepts in biology, chemistry, earth and space science and physics; to develop practical skills in scientific investigation; and to apply their knowledge of science to everyday situations. Students will design and conduct investigations into practical problems and issues related to cell division and reproduction, the structure and properties of elements and compounds, astronomy and space exploration, and static and current electricity. This course prepares students for further studies in science at the academic, applied and workplace levels.

ESL/ELD LEVEL 3 COURSES

ESLCO1 English as a Second Language, Level 3, Open
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 brief 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: ESLBO1, or equivalent

ELDCO1 English Literacy Development, Level 3, Open
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: ELDBO1, or equivalent

*HP4OL Personal Life Management, Level 3, 4 and 5 ELD, Open
This modified course for ELD students focuses on preparing student 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. Students will 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.
Prerequisite: ELDBO1, or equivalent

*GLN4OL Navigating the Workplace, Level 3, 4 and 5 ELD, Open
This course provides students with opportunities to develop the workplace essential 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 postsecondary destination. (2 Credits)

*CHE3OL Origins and Citizenship: The History of a Canadian Ethnic Group, Level 3, 4, and 5 ELD, Open
This course focuses on the history of people who came to Canada from a specific country or region. Students will explore historical developments and events in the group's country of origin, the factors that influenced the decision of members of this group to emigrate, their historical experiences in Canada, and their contributions to Canadian identity and heritage. Students will apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating various aspects of the group’s history. Note: This course is to be developed and delivered with a focus, to be determined by the school, on the history of a specific ethnic group that now lives in Canada. However, with the school's approval, teachers may wish to allow some students to focus on one group, while other students focus on a different group.

*GLW3OR, Designing Your Future, Level 3, 4 and 5 ELD Open
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. (2 credits)
ENGLISH as a SECOND LANGUAGE and ENGLISH LITERACY DEVELOPMENT

ESL/ELD LEVEL 4 COURSES

ESLDO1 English as a Second Language, Level 4, Open
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: ESLCO1, or equivalent

ELDDO1 English Literacy Development, Level 4, Open
This course extends students' literacy skills and ability to apply learning strategies effectively, and teaches them how to use community resources to enhance lifelong learning. Students will communicate with increased accuracy and fluency for a variety of academic and everyday purposes; perform a variety of guided reading, writing, and viewing tasks; and use media and community resources to complete guided-research projects. This course further develops the critical thinking skills students will need to participate in Canadian society as informed citizens.
Prerequisite: ELDCO1, or equivalent

ESL/ELD LEVEL 5 COURSES

ESLEO1 ESL, LEVEL 5, Open
This course provides 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: ESLDO1, or equivalent

ELDEO1 ESL, LEVEL 5, Open
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 apprenticeship 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: ELDDO1, or equivalent

GUIDANCE and CAREER EDUCATION

GLC2O5 Career Studies, Grade 10, Open (0.5 credit)
This half credit course teaches students how to develop and achieve personal goals in education and work and contribute to their communities. Student learning will include assessing their own knowledge, skills, and characteristics and investigating economic trends, workplace organization, work opportunities, and ways to search for work. The course explores post-secondary learning options, prepares students for community-based learning, and helps them build the capabilities needed for managing work and life transitions. Students will design action plans for pursuing their goals. Students take Grade 10 Civics, CHV2O5, in combination with GLC2O5 as a compulsory credit.

GPP3O1 Leadership and Peer Support, Grade 11, Open
This course prepares and motivates students to provide leadership and assistance to others in their schools and communities. Students will develop skills in communication, interpersonal relations, coaching, leadership, teamwork, and conflict management, and apply them in roles such as tutoring, mentoring, and student council involvement. Students will also learn the value and complexity of social diversity, while acquiring an appreciation of the importance of contributing to their communities and helping others throughout their lives.
Prerequisite: GLC2O5

GPP3OF First Nations Peer Support, Grade 11, Open
This course allows students to benefit from peer mentorship activities, either as mentors who gain valuable leadership experience or mentees who benefit from the positive connection with an older peer. This course includes joint activities that would add the mentoring component in addition to cultural activities and events. The course curriculum covers topics that include life skills, leadership, conflict resolution, developing healthy relationships, learning skills and research, while offering students the opportunity to learn together within a community circle setting during each class.

INTERDISCIPLINARY STUDIES

Note: Students may only apply one IDC4U course towards their top 6 for admission to University

IDC4UF Investment and Finance (Interdisciplinary Studies) Grade 12, University Preparation (see page 14)

IDC4UM Peer Tutoring, Mentoring (Interdisciplinary Studies), Grade 12, University Preparation
This course will offer opportunities to undertake real challenges, encourage students to take intellectual risks, and provide an opportunity to discover the relationship between effort, success and motivation. Through empirical evidence gathering, the class will discover that talent and skill are not innate attributes one is born with, but rather one develops through failure, resiliency, courage and determination. Students will also learn how to create programming for those who want to increase their level of performance through deep practice coaching. This course will change the way one thinks and the way one approaches skill acquisition.
Prerequisite: Any U / M preparation course
HEALTH and PHYSICAL EDUCATION

PPL2OF (female) / PPL2OM (male)  Healthy Active Living Education, Grade 10, Open
This course enables students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities, students develop knowledge and skills related to movement competence and personal fitness that provide a foundation for active living. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.
Prerequisite: None

PAF3O1  Healthy Living and Personal Fitness Activities, Grade 11, Open, (Co-ed)
This course enables students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. It places special emphasis on how students can maintain the habits of healthy, active living throughout their lives as they make the transition to adulthood and independent living. Through participation in a wide range of physical activities in a variety of settings, students can enhance their movement competence, personal fitness, and confidence. Students will participate in a variety of fitness training activities including cross-fit training, challenge training, personal fitness plans, and large group games/cross-training activities. There will be an emphasis on training with weights. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.
Prerequisite: None

PPZ3C1  Health for Life, Grade 11, College, (Co-ed)
This course enables students to examine the factors that influence their own health practices and behaviours as well as those factors that contribute to the development of healthy communities. It emphasizes the concept of wellness, which addresses all aspects of well-being – physical, cognitive, emotional, spiritual, and social – and promotes healthy eating, physical activity, and building and maintaining a positive sense of self. Students will develop the skills necessary to make healthy choices and create a personal wellness plan. They will also design initiatives that encourage others to lead healthy, active lives. The course prepares students for college programs in health sciences, fitness, wellness, and health promotion.
Prerequisite: None

PAQ3O1  Healthy Living and Aquatic Activities, Grade 11, Open, (Co-ed)
This course enables students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities (primarily aquatic in nature) and exposure to a variety of activity settings, students enhance their movement competence, personal fitness, and confidence in an aquatic environment. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively. Students will develop personal skills and competence in an aquatic environment through the use of aquatic games and stroke development. All students will pursue some type of aquatic leadership certification in addition to both First Aid and CPR certification. See note above. There may be a fee attached to this course for the purpose of certifications.
Prerequisite: None

PPL3O1  Healthy Active Living Education, Grade 11, Open, (Co-ed)
This course enables students to further develop the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities and exposure to a broader range of activity settings, students enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.
Prerequisite: None

PAF4O1  Healthy Living and Personal and Fitness Activities, Grade 12, Open (Co-ed)
This course enables students to further develop the knowledge and skills they need to make healthy choices. It continues to place special emphasis on how students can maintain the habits of healthy, active living throughout their lives as they make the transition to adulthood and independent living. Through participation in a wide range of physical activities in a variety of settings, students can continue to enhance their movement competence, personal fitness, and confidence. Students will participate in a variety of fitness training methods and activities including cross-fit training, challenge training, personal fitness plans, and large group games/cross-training activities. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students improve and maintain each student’s personal fitness level, as well as, build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.
Prerequisite: None

PLF4M1  Recreation and Healthy Active Living Leadership, Grade 12, University/College Preparation
This course enables students to explore the benefits of lifelong participation in active recreation and healthy leisure and to develop the leadership and coordinating skills needed to plan, organize, and safely implement recreational events and other activities related to healthy, active living. Students will also learn how to promote the benefits of healthy, active living to others through mentoring and assisting them in making informed decisions that enhance their well-being. The course will prepare students for university programs in physical education and health and kinesiology and for college and university programs in recreation and leisure management, fitness and health promotion, and fitness leadership. Students will have the opportunity to obtain certification in CPR, First Aid in an effort to develop and encourage student leadership.
Prerequisite: Any health and physical education course.
HEALTH and PHYSICAL EDUCATION

PPL4O1 Healthy Active Living Education, Grade 12, Open (Co-ed)
This course enables students to further develop the knowledge and skills they need to make healthy choices. It places special emphasis on how students can maintain the habits of healthy, active living throughout their lives as they make the transition to adulthood and independent living. Through participation in a wide range of physical activities in a variety of settings, students can enhance their movement competence, personal fitness, and confidence. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.
Prerequisite: None

PSK4U1 Introductory Kinesiology, Grade 12, University Preparation
This course focuses on the study of human movement and of systems, factors, and principles involved in human development. Students will learn about the effects of physical activity on health and performance, the evolution of physical activity and sport, and the physiological, psychological, and social factors that influence an individual's participation in physical activity and sport. The course prepares students for university programs in physical education and health, kinesiology, health sciences, health studies, recreation, and sports administration.
Prerequisite: Any Grade 11 U or U/M preparation course in Science (highly recommended), or any Grade 11 or 12 course in Health and Physical Education.

MATHEMATICS

MAT2L1 Mathematics, Grade 10, Locally Developed
This course emphasizes the extension of mathematical knowledge and skills to prepare students for success in their everyday lives, in the workplace, and in the 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 foundational 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: MAT1L1

MFM2P1 Foundations of Mathematics, Grade 10, Applied
This course enables students to consolidate their understanding of key mathematical concepts through hands-on activities and to extend their problem-solving experiences in a variety of applications. Students will solve problems involving proportional reasoning and the trigonometry of right triangles; investigate applications of piecewise linear functions; solve and apply systems of linear equations; and solve problems involving quadratic functions. The effective use of technology in learning and in solving problems will be a focus of the course.
Prerequisite: MFM1P1

MPM2D1 Principles of Mathematics, Grade 10, Academic
This course enables students to broaden their understanding of relationships and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and abstract reasoning. Students will explore quadratic relations and their applications; solve and apply linear systems; verify properties of geometric figures using analytic geometry; and investigate the trigonometry of right and acute triangles. Students will reason mathematically and communicate their thinking as they solve multi-step problems.
Prerequisite: MPM1D1

MEL3E1 Mathematics for Everyday Life, Grade 11, Workplace Preparation
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: MPM1D1, MFM1P1, MAT1L1

MBF3C1 Foundations for College Mathematics, Grade 11, College Preparation
This course enables students to broaden their understanding of mathematics as a problem-solving tool in the real world. Students will extend their understanding of quadratic relations, as well as of measurement and geometry; investigate situations involving exponential growth; solve problems involving compound interest; solve financial problems connected with vehicle ownership; and develop their ability to reason by collecting, analyzing, and evaluating data involving one and two variables. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.
Prerequisite: MFM2P1

MCF3M1 Functions and Applications, Grade 11, University/College Preparation
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 modeling 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: MPM2D1, MFM2P1. *MPM2D1 is very strongly recommended. Students coming from MFM2P1 are recommended to consult their Guidance Counsellor before selecting this course.
MATHEMATICS

MCR3U1 Functions, Grade 11, University Preparation
This course introduces the mathematical concept of the function by extending students' experiences with linear and quadratic relations. Students will investigate properties of discrete and continuous functions, including trigonometric and exponential functions; represent functions numerically, algebraically, and graphically; solve problems involving applications of functions; and develop facility in simplifying polynomial and rational expressions. Students will reason mathematically and communicate their thinking as they solve multi-step problems.
Prerequisite: MPM2D1

MEL4E1 Mathematics for Work and Everyday Life, Grade 12, Workplace Preparation
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 and create household budgets; 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: MEL3E1, MAT2L1

MAP4C1 Foundations for College Mathematics, Grade 12, College Preparation
This course enables students to broaden their understanding of real-world applications of mathematics. Students will analyze data using statistical methods; solve problems involving applications of geometry and trigonometry; simplify expressions; and solve equations. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for college programs in areas such as business, health sciences, and human services, and for certain skilled trades.
Prerequisite: MEL3E1

MCT4C1 Mathematics for College Technology, Grade 12, College Preparation
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: MCF3M1, MCR3U1. This course is an excellent option to consider for students wishing to improve skills learned in MCR3U1 prior to taking MHF4U1.

MDM4U1 Mathematics of Data Management, Grade 12, University Preparation
This course broadens students' understanding of mathematics as it relates to managing data. Students will apply methods for organizing large amounts of information; solve problems involving probability and statistics; and carry out a culminating project that integrates statistical concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. Students planning to enter university programs in business, the social sciences, and the humanities will find this course of particular interest.
Prerequisite: MCF3M1, MCR3U1

MHF4U1 Advanced Functions, Grade 12, University Preparation
This course extends students' experience with functions. Students will investigate the properties of polynomial, rational, logarithmic, and trigonometric functions; broaden their understanding of rates of change; and develop facility in applying these concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended both for students who plan to study mathematics in university and for those wishing to consolidate their understanding of mathematics before proceeding to any one of a variety of university programs.
Prerequisite: MCR3U1, MCT4C1

MCV4U1 Calculus and Vectors, Grade 12, University Preparation
This course builds on students' previous experience with functions and their developing understanding of rates of change. Students will solve problems involving geometric and algebraic representations of vectors, and representations of lines and planes in three-dimensional space; broaden their understanding of rates of change to include the derivatives of polynomial, rational, exponential, and sinusoidal functions; and apply these concepts and skills to the modeling of real-world relationships. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended for students who plan to study mathematics in university and who may choose to pursue careers in fields such as physics and engineering.
Prerequisite/Co-requisite: MHF4U1 can be taken concurrently with MCV4U1 or can precede MCV4U1.
MATHEMATICS PATHWAYS

A prerequisite chart for Mathematics, Grade 9–12

This chart maps out all the courses in Mathematics at Beal and shows the links between courses and the possible prerequisites for them. They do not attempt to depict all possible movements from course to course.

*The Grade 12 Advanced Functions course can be taken concurrently with or can precede Calculus and Vectors*
MODERN LANGUAGES

FRENCH, OJIBWAY, ONEIDA, and SPANISH

FSF2D1 Core French, Grade 10, Academic
This course enables students to increase their knowledge of the French language, further develop their language skills, and deepen their understanding and appreciation of francophone culture around the world. Exploring a variety of themes, students will develop and apply critical thinking skills in discussion, in their analysis and interpretation of texts, and in their own writing.
Prerequisite: FSF1D1, FSF1P1 with Department Head approval

FSF3U1 Core French, Grade 11, University Preparation
This course draws on a variety of themes to promote extensive development of reading and writing skills and to reinforce oral communication skills. Students will gain a greater understanding of French-speaking cultures in Canada and around the world through their reading of a variety of materials, including a short novel or a play. Students will produce various written assignments, including a formal essay. The use of correct grammar and appropriate language conventions in both spoken and written French will be emphasized throughout the course.
Prerequisite: FSF2D1 Note: May be offered in alternate years, if insufficient enrolment.

FSF4U1 Core French, Grade 12, University Preparation
This course draws on a variety of themes to promote extensive development of French-language skills. Students will consolidate their oral skills as they discuss literature, culture, and current issues. They will read a variety of texts and will write a formal essay. The use of Preparation grammar and appropriate language conventions in both spoken and written French will be emphasized throughout the course.
Prerequisite: FSF3U1 Note: May be offered in alternate years, if insufficient enrolment.

LNNBO1 Oneida / LNOBO1 Ojibway Native Languages, Level 2, Open
This course will enable students to experience the unique respect for life that permeates Native languages and cultures. Students will expand their vocabulary and knowledge of phrases and expressions, using them in simple dialogues, narrative writing, grammatical constructions, and reading, and to exchange information electronically. This course is open to any student who has successfully completed at least four years of elementary Native languages study, has successfully completed NL1, or demonstrates the required proficiency.

LNNCO1 Oneida / LNOCO1 Ojibway Native Languages, Level 3, Open
This 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 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. This course is open to students who have successfully completed Level 2 of the Native language or who can demonstrate the required proficiency.

LWSBD1 Spanish International Languages, Level 2, Academic
This course is designed to enable students to begin to communicate with native speakers of 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 under study is spoken, including social customs and the arts, by participating in cultural events and activities involving both print and technological resources. 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.

LWSCU1 Spanish International Languages, Level 3, University Preparation
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: May be offered in alternate years, if insufficient enrolment.
Prerequisite: LWSBD1

LWSDU1 Spanish International Languages, Level 4, University Preparation
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. 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: May be offered in alternate years, if insufficient enrolment.
Prerequisite: LWSCU1
SCIENCE

SNC2L1  Science, Grade 10, Locally Developed
This course emphasizes reinforcing and strengthening science-related knowledge and skills, including scientific inquiry, critical thinking and the environmental impact of science and technology, to prepare students for success in everyday life, in the workplace, and in the Grade 11 Science Workplace Preparation course.

SNC2P1  Science, Grade 10, Applied
This course enables students to develop a deeper understanding of concepts in biology, chemistry, earth and space science, and physics; to develop further their practical skills in scientific investigation; and to apply their knowledge of science to real-world situations. Students will design and conduct investigations into everyday problems and issues related to body systems, chemical reactions, climate change, and optics.  
Prerequisite: SNC1P1

SNC2D1  Science, Grade 10, Academic
This course enables students to develop a deeper understanding of concepts in biology, chemistry, earth and space science, and physics; to develop further their skills in scientific inquiry; and to understand the interrelationships among science, technology, and the environment. Students will conduct investigations and understand scientific theories related to: ecology and the maintenance of ecosystems; chemical reactions, with particular attention to body systems; acid-base reactions; climate change; and optics.  
Prerequisite: SNC1D1, SNC1P1

SVN3E1  Science, Grade 11, Workplace Preparation
This course provides students with the fundamental knowledge of and skills relating to environmental science that will help them succeed in work and life after secondary school. Students will explore a range of topics, including the impact of humans 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 environment 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: SNC1D1, SNC1P1, SNC1L1

SB13C1  Biology, Grade 11, College Preparation
This course focuses on the processes involved in biological systems. Students will learn concepts and theories as they conduct investigations in the areas of cellular biology, microbiology, animal anatomy and physiology, plant structure and physiology, and genetics. Emphasis will be placed on the practical application of concepts and skills needed for further study in the various branches of life sciences and related fields.  
Prerequisite: SNC2D1, SNC2P1

SB13U1  Biology, Grade 11, University Preparation
This course further develops students' understanding of the processes involved in biological systems. Students will study evolution, genetic processes, internal systems and regulation, the diversity of living things, and the anatomy, growth, and functions of plants. The course focuses on the theoretical aspects of the topics under study, and helps students refine skills related to scientific investigation.  
Prerequisite: SNC2D1

SCH3U1  Chemistry, Grade 11, University Preparation
This course enables students to deepen their understanding of chemistry through the study of the properties of chemicals and chemical bonds; chemical reactions and quantitative relationships in those reactions; solutions and solubility; and atmospheric chemistry and the behaviour of gases. Students will further develop their analytical skills and investigate the qualitative and quantitative properties of matter, as well as the impact of some common chemical reactions on society and the environment.  
Prerequisite: SNC2D1, MFM2D1 is strongly recommended

SPH3U1  Physics, Grade 11, University Preparation
This course develops students' understanding of the basic concepts of physics - how the physical world works. Students will investigate forces, energy, motion, waves, sound, electricity, electromagnetism, and nuclear physics. Students will develop their understanding of the interrelationships between physics, technology and society. Prerequisite: SNC2D1, MFM2D1 highly recommended with final grade 75% min

SB4U1  Biology, Grade 12, University Preparation
This course provides students with the opportunity for in-depth study of the concepts and processes associated with biological systems. Students will study theory and conduct investigations in the areas of metabolic processes, molecular genetics, homeostasis, biochemistry, and population dynamics. Emphasis will be placed on achievement of the detailed knowledge and refined skills needed for further study in various branches of the life sciences and related fields.  
Prerequisite: SBI3U1, SCH3U1 or SCH4C1 is highly recommended

SCH4C1  Chemistry, Grade 12, College Preparation
This course introduces students to the concepts that form the basis of modern chemistry. Students will study qualitative analysis, quantitative relationships in chemical reactions, organic chemistry and electrochemistry, and chemistry as it relates to the quality of the environment. Students will employ 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 in the development of new technologies and products.  
Prerequisite: SNC2D1, SNC2P1

SCH4U1  Chemistry, Grade 12, University Preparation
This course enables students to deepen their understanding of chemistry through the study of organic chemistry, energy changes and rates of reaction, chemical systems and equilibrium, electrochemistry, and atomic and molecular structure. Students will further develop problem-solving and laboratory skills as they investigate chemical processes, at the same time refining their ability to communicate scientific information. Emphasis will be placed on the importance of chemistry in daily life, and on evaluating the impact of chemical technology on the environment.  
Prerequisite: SCH3U1, SPH3U1 is strongly recommended
SCIENCE

SNC4M1 Science, Grade 12 University/College Preparation
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: SNC2D1 or any senior U / C Science course

SPH4C1 Physics, Grade 12, College Preparation
This course develops students’ understanding of the basic concepts of physics. Students will explore these concepts as they relate to mechanical, electrical, fluid (hydraulic and pneumatic), and communications systems, as well as to the operation of commonly used tools and equipment. They will develop scientific-inquiry skills as they verify accepted 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: SNC2D1, SNC2P1

SPH4U1 Physics, Grade 12, University Preparation
This course enables students to deepen their understanding of the concepts and theories of physics. Students will explore further the laws of dynamics and energy transformations, and will investigate electrical, gravitational, and magnetic fields; electromagnetic radiation; and the interface between energy and matter. They will further develop inquiry skills, learning, for example, how the interpretation of experimental data can provide indirect evidence to support the development of a scientific model. Students will also consider the impact on society and the environment of technological applications of physics.
Prerequisite: SPH3U1
Advanced Placement course may be offered in SBI4U1, SCH4U1, SPH4U1 subject to availability of equipment and staff.

SCIENCE PATHWAYS
A prerequisite chart for Science, Grade 9–12

This chart maps out all the courses in Science at Beal and shows the links between courses and the possible prerequisites for them. They do not attempt to depict all possible movements from course to course.
SOCIAL SCIENCES and HUMANITIES

FAMILY STUDIES – RAISING and CARING FOR CHILDREN

HPC3O1 Raising Healthy Children, Grade 11, Open
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. They will have an infant simulation experience with ‘Baby Think it Over’, and will learn skills in researching and investigating questions related to raising children.
Prerequisite: None

HPW3C1 Working with Infants and Young Children, Grade 11, College Preparation
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.
Prerequisite: None

FAMILY STUDIES - HOUSING

HLS3O1 Housing and Home Design, Grade 11, Open
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.
Prerequisite: None

FAMILY STUDIES - MANAGING RESOURCES

HIP4O1 Managing Personal Resources, Grade 12, Open
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.
Prerequisite: None

FAMILY STUDIES - GENERAL

HHG4M1 Human Development throughout the Lifespan, Grade 12, University/College Preparation
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, college, or university/college preparation course in Social Sciences and Humanities, English, or Canadian and World Studies.

FAMILY STUDIES - FOOD and NUTRITION

HFN2O1 Food and Nutrition, Grade 10, Open
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.
Prerequisite: None

HFL4E1 Food and Healthy Living, Grade 12, Workplace Preparation
This course focuses on the fundamental food needs of young adults. Students will learn how to stock a kitchen, make nutritious food choices, and accommodate the food needs of others. Through a range of practical experiences, they will develop skills needed in food preparation for personal use and for employment in the food industry. They will also learn about dining etiquette in different contexts and about responsible consumer practices. Students will use social science research methods to investigate issues related to food preparation and nutrition.
Prerequisite: None

HFA4C1 Nutrition and Health, Grade 12, College Preparation
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, college, or university/college preparation course in Social Sciences and Humanities, English, or Canadian and World Studies
SOCIAL SCIENCES and HUMANITIES

HFAU1 Nutrition and Health, Grade 12, University Preparation
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 or university/college preparation course in Social Sciences and Humanities, English, or Canadian and World Studies.

FAMILY STUDIES - FASHION

HNL2O1 Clothing, Grade 10, Open
This course introduces students to the world of clothing. Students will gain knowledge about clothing and will demonstrate basic skills associated with techniques and technologies used to create garments and accessories. Students will learn about the functions of clothing and accessories and what clothing communicates about the wearer. They will learn how to enhance their personal wardrobe by assessing garment quality and will develop shopping strategies and an understanding of various retail formats. Students will develop research skills as they investigate topics related to clothing. Students will learn to sew by hand and on a sewing machine in this course.
Prerequisite: None

HNC3C1 Understanding Fashion, Grade 11, College Preparation
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. Students will learn to sew by hand and on a sewing machine in this course.
Prerequisite: None

HNB4M1 The World of Fashion, Grade 12, University/College Preparation
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. Students will learn to sew by hand and on a sewing machine in this course.
Prerequisite: None

WORLD RELIGIONS

HRF3O1 World Religions and Belief Traditions in Daily Life, Grade 11, Open
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.
Prerequisite: None

GENERAL SOCIAL SCIENCES

HSP3C1 Introduction to Anthropology, Psychology, and Sociology, Grade 11, College Preparation
This course introduces students to theories, questions, and issues related to anthropology, psychology, and sociology. Students learn about approaches and research methods used by social scientists. Students will be given opportunities to apply theories from a variety of perspectives, to conduct social science research, and to become familiar with current issues within the three disciplines.
Prerequisite: None

HSP3U1 Introduction to Anthropology, Psychology, and Sociology, Grade 11, University Preparation
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: ENG2D1 or CHC2D1
SPECIAL EDUCATION

GLE2O General Learning Strategies, Grade 10, Open
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.

GLE3O General Learning Strategies, Grade 11, Open
This course improves students’ learning and personal-management skills, preparing them to make successful transitions to work, training, and/or post-secondary education destinations. Students will assess their learning abilities and use literacy, numeracy, and research skills and personal-management techniques to maximize their learning.
COMMUNICATIONS TECHNOLOGY – GRAPHIC DESIGN

TGJ2O1 Communications Technology, Grade 10, Open
This course focuses on digital photography and graphic design systems. Students will learn through a variety of project based assignments. These may include creating printed stationery, graphic logo design, audio productions, short videos, digital photography as well as focusing on photo manipulations. Students will learn to transfer information using live (audio & video recording), and graphic (logos, photo editing) communications methods. The knowledge and skills they will develop will provide a basis for careers in areas such as publishing, advertising, print production, web and/or graphic design, animation, photography, and journalism. This course is strongly recommended for students interested in continuing with the grade 11/12 programs in Live (Broadcast Beal), Multi-Media (Interactive CDs & DVDs) and Graphics (Animation, Digital Photography and Graphic Design).

TGJ3M1 Communications Technology: Graphics and Photography, Grade 11, University/College Preparation
This course examines the design and production processes in the area of graphic design. Students will learn through a variety of project based assignments. Emphasis is placed on the graphic design principles for print, digital photography and photo manipulation. This course also focuses on each student writing and illustrating their very own children’s storybook. Students will be given the opportunity to study industry standards, regulations and health and safety issues, and will explore careers, the importance of lifelong learning, and the impact of communications technology on society and the environment. Prerequisite: None, TGJ2O1 is highly recommended

TGJ3P1 Communications Technology: Yearbook, Grade 11, University/College Preparation
This class designs the H.B. Beal yearbook and is your opportunity to showcase your creativity! Students compose, construct, and edit all elements of the layout, graphic art, and digital photography. This course will help student to create informative design layouts from the photographic and story-telling perspective. Activities include interviewing, feature writing, layout design, picture planning, sales, advertising and computer work. Photographers must have previously completed a photography class (such as TGJ2O1). Students will learn management skills and develop a good work ethic in relation to meeting project deadlines and being accountable. They will explore legal and ethical uses of information that is made public. **Please note: Outside class time is often required for members of the yearbook staff. Students must sign a contract stipulating they will act appropriately, attend regularly, and commit their time through to the completion of the yearbook. Prerequisite: None, TGJ2O1 is highly recommended

TGJ4M1 Communications Technology: Graphics and Photography, Grade 12, University/College Preparation
This course examines the design and production processes in the areas of graphic design and digital photography. Students will learn through a variety of project based assignments. These may include print production and the operation of a printing press for the printing of your own stationary, package design and graphic layouts. Emphasis is placed on digital photography, portrait photography, and special effects photography. Students focus on building a professional portfolio as well as showcasing their work through competition entries. Students will also study industry standards and regulations and health and safety issues, and will explore careers, the importance of lifelong learning, and the impact of communications technology on society and the environment. Prerequisite: Any grade 11 Communications Technology course

TGJ4P1 Digital Photography, Grade 12, University/College Preparation:
This course examines communications systems and production processes in the areas of digital photography and digital imagery. This class provides students the opportunity to use DSLR cameras and to study the functions of how the camera works. Topics include detailed understanding of shooting and manual manipulation of shutter speeds, aperture settings, choice of ISO. Students will set up and explore techniques used in fast-action sports, product shots, indoor locations, and portrait photography shoots, as well as the correct use of lighting with natural and indoor light. Emphasis on advanced concepts and techniques while using design principles, composition, digital enhancement and photo manipulation. Students will focus on the fundamentals and principles of great photography as well as the software used to enhance and correct digital images. Students will be introduced to software such as Adobe Photoshop Extended, Shooting in Camera RAW and Adobe Bridge. This course is ideal for students who are preparing for a careers in the digital imagery industry or other related fields, such as advertising, photography, design, film, special effects, etc. This course is part of the unique Specialist High Skills Major in Information and Communication Technology program offered at Beal, however it is open to anyone who has the grade 11 prerequisite and is interested in digital photography. Prerequisite: TGJ3M1, TGJ3P1, TGJ3M1, TGV3M1, TGJ4M1, TG4M1 or TDJ4M1.

COMMUNICATIONS TECHNOLOGY - BROADCASTING

TGi3M1 Communications Technology: Live – Multi-Media, Grade 11, University/College Preparation
This single credit course examines communications systems and design and production processes in all areas of media production. Students will learn intermediate graphic skills, audio and video production combining elements into interactive multimedia. Students will complete a variety of independent audio, video, motion graphics and online projects. Students will also study industry standards and regulations and health and safety issues, and will explore careers, the importance of lifelong learning, and the impact of communications technology on society and the environment. Prerequisite: None, TGJ2O1 - Grade 10 Communications Technology recommended

TGi3R1 Communications Technology: Live – Audio Production, Grade 11, University/College Preparation
This single credit course examines communications systems and design and production processes in live radio production, recorded radio production as well as sound for film and animation. Students will learn intermediate multi-track digital editing, audio recording, live radio broadcast, voice performance, music composition for video & animation as well as Foley techniques. Students will complete a variety of independent & group audio projects. Students will also study industry standards and regulations and health and safety issues, and will explore careers, the importance of lifelong learning, and the impact of communications technology on society and the environment. Prerequisite: None, TGJ2O1 - Grade 10 Communications Technology recommended
TECHNOLOGY

COMMUNICATIONS TECHNOLOGY - BROADCASTING

TGV3M1 Communications Technology: Live – Video Production, Grade 11, University/College Preparation
This single credit course examines communications systems and design and production processes in pre-recorded and live video production. Students will develop single-camera shooting techniques, multi-track video editing, TV graphics and motion editing. Students will progress to producing a live television show in a multi-camera studio. Students will also study industry standards and regulations and health and safety issues, and will explore careers, the importance of lifelong learning, and the impact of communications technology on society and the environment.
Prerequisite: None. TGV2O1 - Grade 10 Communications Technology recommended

TGV4M1 Communications Technology: Live – Broadcasting, Grade 12, University/College Preparation
In this single credit course, students will run BTV – the daily live broadcast television show as well as the online news broadcast site. They will rotate through all areas of production including; directing, switching, audio, camera operation, floor directing, news writing and on-air anchors. Video productions include news stories, sports coverage, public service announcements, and documentaries. Post production will include multi-layered digital video editing and advanced motion graphics. Students will also study industry standards and regulations and health and safety issues, and will explore careers, the importance of lifelong learning, and the impact of communications technology on society and the environment. The design component is delivered from the Communications perspective.
Prerequisite: Any Grade 11 Communications Technology course

TGI4M1 Communications Technology: Live – Advanced Multimedia, Grade 12, University/College Preparation
In this single credit course, students will create single camera video productions such as public service announcements, mini documentaries and short dramas. They will learn advanced video shooting and editing techniques. Students will develop online news story and production skills that provide a constantly updated and easily accessible portfolio. Students will also study industry standards and regulations and health and safety issues, and will explore careers, the importance of lifelong learning, and the impact of communications technology on society and the environment. The design component is delivered from the Communications perspective.
Prerequisite: Any Grade 11 Communications Technology course

TDJ4M1 Communications Technology: Live – Advanced Broadcasting, Grade 12, University/College Preparation
In this single credit course, students will run BTV – the daily live broadcast television show as well as the online news broadcast site. They will rotate through all areas of production including; directing, switching, audio, camera operation, floor directing, news writing and on-air anchors. Video productions include news stories, sports coverage, public service announcements, and documentaries. Post production will include multi-layered digital video editing and advanced motion graphics. Students will also study industry standards and regulations and health and safety issues, and will explore careers, the importance of lifelong learning, and the impact of communications technology on society and the environment. The design component is delivered from the Communications perspective.
Prerequisite: Any Grade 11 Communications Technology course

TGJ4O1 Communications Technology: Live – Multimedia, Grade 12, Open
In this single credit course students will create single camera video productions such as Public Service Announcements, music videos, short dramas and web video. They will learn advanced shooting and video editing techniques. Students may focus on a selection of studies including video, audio, multimedia, motion graphics and online production. Students will also study industry standards and regulations and health and safety issues, and will explore careers, the importance of lifelong learning, and the impact of communications technology on society and the environment. The design component is delivered from the Communications perspective.
Prerequisite: A Communications Technology course recommended

COMPUTER TECHNOLOGY

TEJ2O1 Computer Technology, Grade 10, Open
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 postsecondary pathways to careers in computer technology.
Prerequisite: None

TEJ3E1 Computer Technology, Grade 11, Workplace Preparation
This course enables students to develop knowledge and skills related to computer hardware, networks, operating systems, and other software. Students will use utility and application software and learn proper procedures for installing, maintaining, and troubleshooting computer systems and networks. Students will develop an awareness of environmental and societal issues related to the use of computers, and will learn about apprenticeships and other employment opportunities in the field of computer technology that they may choose to pursue after graduation. This course will explore the various alternative energy sources. Students will build wind turbines and explore solar and geothermal energies.
Prerequisite: None. TEJ2O1 is highly recommended

TEJ3M1 Computer Engineering Technology, Grade 11, University/College Preparation
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. The focus of this course will be the certification in CISCO network Engineering. Students will design, build and troubleshoot Local Area Networks, Wide Area Networks and Wireless Networks.
Prerequisite: None. TEJ2O1 is highly recommended
TECHNOLOGY

COMPUTER TECHNOLOGY

TEJ4E1  Computer Technology, Grade 12, Workplace Preparation
This course enables students to further develop their practical understanding of computer hardware, software, networks, and operating systems. Students will use utility and application software, and will follow proper procedures for installing, maintaining, and troubleshooting computer systems and networks. In addition to demonstrating an understanding of the ethical use and environmental effects of computers, students will develop marketable skills and assess career opportunities in the field. This course will build upon the grade 11 engineering course. Students will continue to explore alternative energies and build and design a hovercraft as a culminating project.
Prerequisite: TEJ3E1

TEJ4M1  Computer Engineering Technology, Grade 12, University/College Preparation
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 postsecondary pathways leading to careers in computer engineering and related fields. This course will build on the grade 11 Cisco Network Engineering Program. Students will work towards part two Cisco Certification, and continue to build and troubleshoot more advanced local area networks, wide area networks and wireless networks.
Prerequisite: TEJ3M1

CONSTRUCTION TECHNOLOGY

TCJ2O1  Construction Technology, Grade 10, Open
This course requires students to design, build, and evaluate projects using design instruments and machine and hand tools. Students will solve technological problems through a variety of media; identify and describe building materials and other resources needed to construct, maintain, and service buildings; identify support systems and components; apply safety rules related to materials, processes, and equipment; identify common architectural styles; and identify careers related to construction technology. In this course students are exposed to careers in electricity, plumbing, cabinetmaking, general carpentry and architectural design through many hands-on activities and projects.
Prerequisite: None

NOTE: TCJ2O1 is highly recommended for all Construction Courses

TCC3E2  Construction Technology: Building Construction, Carpentry, Grade 11, Workplace Preparation
This 2-credit course focuses on residential, commercial, industrial, and/or recreational construction. Students will learn about the tools, materials, equipment, and methods used in the light construction industry; structural analysis and design; presentation and working drawings; and mechanical systems. Students will also estimate materials and labour costs, and study industry standards and building codes, health and safety issues, energy conservation, careers, and the impact of construction technology on society and the environment. Students learn through theory, independent research assignments and many hands on projects and labs to make the course exciting and meaningful. Students will be learning construction techniques and processes using stationary and hand power tools and working primarily with wood and wood composites. Projects may include sheds, gazebos, garages, kitchens, shelving units and furniture.

TCE3E2  Construction Technology: Electrical / Network Cabling, Grade 11, Workplace Preparation
This 2-credit course focuses on residential, commercial, industrial, and/or recreational construction. Students will learn about the tools, materials, equipment, and methods used in the light construction industry; structural analysis and design; presentation and working drawings; and mechanical systems. They will also estimate materials and labour costs, and study industry standards and building codes, health and safety issues, energy conservation, careers, and the impact of construction technology on society and the environment. Students learn through theory and many hands-on projects and labs to make the course exciting and meaningful. Students will learn wiring methods that pertain to residential structures. Areas of study include electrical service entrance, branch circuit wiring, special circuit wiring as well as auxiliary systems. Students will apply current Canadian Electrical Code rules and industry standards to all projects. Projects may include developing wiring diagrams, wiring of typical residential circuits, electrical panels, doorbell and other special circuits.

TWJ3E1  Construction Technology: Custom Woodworking, Grade 11, Workplace Preparation
This single credit course enables students to develop knowledge and skills related to cabinet making and furniture making. Students will gain practical experience using a variety of the materials, tools, equipment, and joinery techniques associated with custom woodworking. Students will learn to create and interpret technical drawings and will plan, design, and fabricate projects. They will also develop an awareness of environmental and societal issues related to the woodworking industry, and will explore apprenticeships, postsecondary training, and career opportunities in the field that may be pursued directly after graduation. Projects may include sheds, gazebos, garages, kitchens, shelving units and furniture. There will be an independent research assignment integrating construction literacy skills.

TCJ3C1  Construction Engineering Technology: Architectural, Grade 11, College Preparation
This single credit course provides students with opportunities to apply the principles of technological design to challenges in architecture including health and safety, building codes and environmental impact. Students will identify user needs, estimate labour and material costs, analyze material characteristics, and illustrate design solutions using traditional and computer-based methods. Students will also acquire the basic skills required for post-secondary studies in engineering, architecture, and construction. This course will focus on the use of industry standard computer-based programs such as AutoCad systems, SoftPlan Architectural software and the construction of scale model buildings.
TECHNOLOGY

CONSTRUCTION TECHNOLOGY

TCJ3E1  Construction Technology: Electrical / Network Cabling, Grade 11, Workplace Preparation
This single credit course focuses on residential and light construction systems related to commercial, industrial, and/or recreational construction; the development of generic employment skills; and preparation for apprenticeship and training programs. Students will learn about and gain practical experience with various types of materials, processes, labour, tools, and equipment used in the construction industry; technical drawings; and auxiliary systems. They will also study industry standards and building codes; consider health and safety issues; and explore careers, the importance of lifelong learning, and the impact of construction technology on society and the environment. Students will learn wiring methods that pertain to residential structures. Areas of study include electrical service entrance, branch circuit wiring, special circuit wiring as well as auxiliary systems. Students will apply current Canadian Electrical Code rules and industry standards to all projects. Projects may include developing wiring diagrams, wiring of typical residential circuits, electrical panels, doorbell and other special circuits.

Prerequisite: None, TCJ2O1 highly recommended

TCP3E1  Construction Technology: Plumbing, Grade 11, Workplace Preparation
This single credit course focuses on residential and light construction systems related to commercial, industrial, and/or recreational construction; the development of generic employment skills; and preparation for apprenticeship and training programs. Students will learn about and gain practical experience with various types of materials, processes, labour, tools, and equipment used in the construction industry; technical drawings; and auxiliary systems. They will also study industry standards and building codes; consider health and safety issues; and explore careers, the importance of lifelong learning, and the impact of construction technology on society and the environment. Students will be introduced to the skills, nomenclature, and practice of residential and commercial plumbing and the systems involved. Projects may include modeling and full-scale work using various plumbing materials including: copper, ABS, plastic, iron.

Prerequisite: TWJ3E1 or TCJ3E2

TCC4E2  Construction Technology: Carpentry, Grade 12, Workplace Preparation
This 2-credit course focuses on advanced residential construction, more complex construction systems, and the introduction of heavy construction related to commercial, industrial, and/or recreational construction. Students will learn about the tools, materials, equipment, and methods used in the light and heavy construction industries; structural analysis and design; presentation and working drawings; and auxiliary systems. Students will also estimate materials and labour costs; study industry standards and building codes; consider health and safety issues; and explore energy conservation, careers, and the impact of construction technology on society and the environment. Students will be learning construction techniques and processes at a more advanced level using stationary and hand power tools and working primarily with wood and wood composites. Projects may include sheds, gazebos, garages, kitchens, shelving units and furniture. There will be an independent research assignment integrating construction literacy skills.

Prerequisite: TCJ3E1 or TCC3E2

TCE4E2  Construction Technology: Electrical / Network Cabling, Grade 12, Workplace Preparation
This 2-credit course focuses on advanced residential construction, more complex construction systems, and the introduction of heavy construction related to commercial, industrial, and/or recreational construction. Students will learn about the tools, materials, equipment, and methods used in the light and heavy construction industries; structural analysis and design; presentation and working drawings; and auxiliary systems. They will also estimate materials and labour costs; study industry standards and building codes; consider health and safety issues; and explore energy conservation, careers, and the impact of construction on the environment. Students will learn wiring methods that pertain to residential structures at a more advanced level. Areas of study include electrical service entrance, branch circuit wiring, special circuit wiring as well as auxiliary systems. Programmable Logic Controllers (PLCs) and Motor Control will also be covered. Students will apply current Canadian Electrical Code rules and industry standards to all projects. Projects may include developing wiring diagrams, wiring of typical residential circuits, electrical panels, doorbell and other special circuits.

Prerequisite: TWJ3E1 or TCE3E2

TWJ4E1  Construction Technology: Custom Woodworking, Grade 12, Workplace Preparation
This course enables students to further develop knowledge and skills related to the planning, design, and construction of residential and/or commercial cabinets and furniture. 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. Projects may include sheds, gazebos, garages, kitchens, shelving units and furniture. There will be an independent research assignment integrating construction literacy skills.

Prerequisite: TWJ3E1 or TCC3E2

TCJ4C1  Construction Engineering Technology: Architectural, Grade 12, College Preparation
This single credit course provides students with opportunities to apply the principles of technological design to challenges in architecture including health and safety, building codes and environmental impact. Students will identify user needs, estimate labour and material costs, analyze material characteristics, and illustrate design solutions using traditional and computer-based methods. Students will also acquire the basic skills required for post-secondary studies in engineering, architecture, and construction. This course will focus on the use of industry standard computer-based programs such as AutoCad systems, SoftPlan Architectural software and the construction of scale model buildings.

Prerequisite: TCJ3C1 or TDA3M2
CONSTRUCTION TECHNOLOGY

TCJ4E1 Construction Technology: Electrical / Network Cabling, Grade 12, Workplace Preparation
This single credit course focuses on residential and light construction systems related to commercial, industrial, and/or recreational construction; the development of generic employment skills; and preparation for apprenticeship and training programs. Students will learn about and gain practical experience with various types of materials, processes, labour, tools, and equipment used in the construction industry; technical drawings; and auxiliary systems. They will also study industry standards and building codes; consider health and safety issues; and explore careers, the importance of lifelong learning, and the impact of construction technology on society and the environment. Students will learn wiring methods that pertain to residential structures at a more advanced level. Areas of study include electrical service entrance, branch circuit wiring, special circuit wiring as well as auxiliary systems. Programmable Logic Controllers (PLC's) and Motor Control will also be covered. Students will apply current Canadian Electrical Code rules and industry standards to all projects. Projects may include developing wiring diagrams, wiring of typical residential circuits, electrical panels, doorbell and other special circuits.
Prerequisite: TCJ3E1 or TCE3E2

TCP4E1 Construction Technology: Plumbing, Grade 12, Workplace Preparation
This single credit course focuses on residential and light construction systems related to commercial, industrial, and/or recreational construction; the development of generic employment skills; and preparation for apprenticeship and training programs. Students will learn about and gain practical experience with various types of materials, processes, labour, tools, and equipment used in the construction industry; technical drawings; and auxiliary systems. They will also study industry standards and building codes; consider health and safety issues; and explore careers, the importance of lifelong learning, and the impact of construction technology on society and the environment. Students will be learning advanced level skills, nomenclature, and practice of residential and commercial plumbing and the systems involved. Projects may include modeling and full-scale work using various plumbing materials including: copper, ABS, plastic, iron.
Prerequisite: TCP3E1 or TCH3E2

HAIRSTYLING and AESTHETICS

TXJ2O1 Hairstyling and Aesthetics, Grade 10, Open
This course presents hairstyling, make-up and nail care techniques from a salon/spa perspective. Using materials, processes, and techniques used in industry, students learn fundamentals in hairstyling, giving manicures and facials, and providing hair/scalp analyses and treatments. Students will also consider related environmental and social issues, and will explore secondary and post-secondary pathways leading to careers in the field of hairstyling and aesthetics.
Prerequisite: None

TXJ3E1 Hairstyling and Aesthetics, Grade 11, Workplace Preparation
This course provides students with opportunities to learn techniques in hairstyling and aesthetics that meet industry standards, using appropriate materials and equipment. Students will identify trends in the hairstyling and aesthetics industry; describe scientific and physical processes used in beauty services; learn to respect environmental, health, and safety laws; and explore career opportunities. The course may focus on either hairstyling or aesthetics, or may include a combination of both areas.
Prerequisite: None

TXJ4E1 Hairstyling and Aesthetics, Grade 12, Workplace Preparation
This course builds on the Grade 11 course to provide a solid foundation for students wishing to pursue a career in cosmetology. Students will continue to develop practical skills and knowledge pertaining to the beauty industry. They will also gain an awareness of the entrepreneurial skills required to own and operate a salon. The course may focus on either hairstyling or aesthetics, or may include a combination of both areas.
Prerequisite: TXJ3E1

MANUFACTURING TECHNOLOGY

TMJ2O1 Manufacturing Technology, Grade 10, Open
This course introduces students to the manufacturing industry, the various components used in the design of products, the industrial tools and equipment used, and methods of manufacturing, including assembly–line production. Students will learn about technical drawing; preparation processes; manufacturing techniques; power, and quality control systems; careers in the manufacturing field; and the role of entrepreneurs in Canadian society. This course is delivered through many projects, labs and theory to help students experience manufacturing in a real way. Students will use lathes and milling machines to create projects such as hammers and punches. Students will also be introduced to heat treating and finishing processes and gain experience in welding.
Prerequisite: None

TMJ3C1 Manufacturing Technology: Precision Machining, Grade 11, College Preparation
This single credit course focuses on design principles using traditional and advanced manufacturing processes. Students will solve problems using machines such as precision lathes, mills and grinders. Students will also study the broad range of career opportunities available in the manufacturing sector and their educational requirements. Students will research the scope of the manufacturing industry and the impact of its products on individuals, society, and the environment. Students will design and plan out projects working with steel, aluminum or plastic. Independent projects and self-directed learning will comprise a bulk of the course.
Prerequisite: None, TMJ2O1 highly recommended

TMW3E2 Manufacturing Technology: Welding, Grade 11, Workplace Preparation
This 2-credit course helps familiarize students with the broad range of career opportunities with the manufacturing sector. Students will acquire design and fabrication skills using a variety of materials, tools, equipment, and processes, and will construct products that adhere to design specifications and meet quality control standards. In addition to developing employability and technical skills, students will develop an understanding of the impact of the manufacturing sector on consumers, society, and the environment. Welding processes include GMAW, GTAW, SMAW, and Oxy-fuel. Blueprint drawing and interpretation are an integral part of the program. This course of study may lead to welding certification. Projects may include trailers, plant hangers, candle holders, custom bicycles, etc.
Prerequisite: None, TMJ2O1 is highly recommended
MANUFACTURING TECHNOLOGY

TMJ3E1  Manufacturing Technology: Welding, Grade 11, Workplace Preparation
This single credit course helps familiarize students with the broad range of career opportunities with the manufacturing sector. Students will acquire design and fabrication skills using a variety of materials, tools, equipment, and processes, and will construct products that adhere to design specifications and meet quality control standards. In addition to developing employability and technical skills, students will develop an understanding of the impact of the manufacturing sector on consumers, society, and the environment. Welding processes include GMAW, and Oxy-fuel. Blueprint drawing and interpretation are an integral part of the program. Trade skills and safe shop practices are emphasized. Projects may include bulrushes, plant stands, welded gates and fences. **Prerequisite:** None. **TMJ2O1 highly recommended**

TMJ4E1  Manufacturing Engineering Technology: Precision Machining, Grade 12, College Preparation
This single credit course focuses on design principles using traditional and advanced manufacturing processes. Students will solve problems using machines such as precision lathes, mills and grinders at a more advanced level. Students will also study the broad range of career opportunities available in the manufacturing sector and their educational requirements. Students will research the manufacturing industry and the impact of its products on individuals, society, and the environment. Students will design and plan out projects working with steel, aluminum or plastic. Independent projects and self-directed learning will comprise a bulk of the course. **Prerequisite:** TMJ3E1

TMW4E2  Manufacturing Technology: Welding, Grade 12, Workplace Preparation
This 2-credit course focuses on drafting, design and welding at an advanced level. Welding processes include GMAW, GTAW, SMAW, and Oxy-fuel. Blueprint drawing and interpretation are an integral part of the program. This course of study may lead to welding certification. Projects may include trailers, plant hangers, candle holders, custom bicycles, etc. **Prerequisite:** TMJ3E1 or TMW3E2

TMJ4E1  Manufacturing Technology: Welding, Grade 12, Workplace Preparation
This single credit course helps familiarize students with the broad range of career opportunities with the manufacturing sector. Students will acquire design and fabrication skills using a variety of materials, tools, equipment, and processes, and will construct products that adhere to design specifications and meet quality control standards. In addition to developing employability and technical skills, students will develop an understanding of the impact of the manufacturing sector on consumers, society, and the environment. Welding processes include GMAW, and Oxy-fuel. Blueprint drawing and interpretation are an integral part of the program. Trade skills and safe shop practices are emphasized. Projects may include bulrushes, plant stands, welded gates and fences. **Prerequisite:** TMJ3E1 or TMW3E2

TRANSPORTATION TECHNOLOGY

TTJ2O1  Transportation Technology, Grade 10, Open
This course requires students to build projects and to learn service procedures related to different modes of transportation. Students will learn about support systems for transporting people and products; measurement systems and methods; the analysis, design, and construction of a system to convert and make practical use of energy; the function of major vehicle system components; the impact of transportation systems on the environment; communication skills; and transportation-related careers. Students are exposed to different aspects of transportation from auto body repair to engines and drive trains using theory and many hands-on experiences working with tools and equipment. **Prerequisite:** None

TTA3C2  Transportation Technology: Personal Transportation, Grade 11, College Preparation (Engine/Fuel/Electrical Systems and Design)
This 2-credit package examines the various types of vehicle systems found within the transportation sector. Students will acquire identification, troubleshooting, repairing, and testing skills for fuel injection systems. In addition to developing employability and technical skills, they will explore the broad range of career opportunities within this sector, and will examine the impact of the transportation sector on people, society, and the environment. One component will focus on the development of power in various types of transportation vehicles (engines and related systems such as cooling, lubrication, ignition, etc.). The theory of design, Maintenance and repair with trade skills and practices allow the student to gain valuable knowledge and experience of vehicle electrical and fuel systems. Vehicle design and fabrication will also be involved as a part of this program. Developing hands on skills with standard automotive shop equipment will be emphasized. **Prerequisite:** None. **TTJ2O1 highly recommended**

TTJ3O1  Transportation Technology, Grade 11, Open
This single credit course examines the various types of land, air, and/or marine vehicles and vehicle systems found within the transportation sector. Students will acquire identification, troubleshooting, repairing, and testing skills that meet industry standards and government regulations. In addition to developing employability and technical skills, they will explore the broad range of career opportunities within this sector, and will examine the impact of the transportation sector on people, society, and the environment. This course will focus on personal vehicle maintenance and repair. **Prerequisite:** None. **TTJ2O1 is recommended**

TTJ3C1  Transportation Technology: Auto Body, Grade 11, College Preparation
This single credit course examines the various types of land, air, and/or marine vehicles and vehicle systems found within the transportation sector. Students will acquire identification, troubleshooting, repairing, and testing skills that meet industry standards and government regulations. In addition to developing employability and technical skills, they will explore the broad range of career opportunities within this sector, and will examine the impact of the transportation sector on people, society, and the environment. This course will focus on personal vehicle maintenance and repair. Students will fabricate a panel that will introduce the fundamentals of metal fabricating, metalurgy, mig welding, grinding, body fill, priming and painting and give hands on experience that will allow students to do basic repairs on their own vehicles. **Prerequisite:** None. **TTJ2O1 is highly recommended**
TECHNOLOGY

TRANSPORTATION TECHNOLOGY

TTA4C2  Transportation Technology: Personal Transportation, Grade 12, College Preparation
(Power/Running Gear Systems and Design)
This 2-credit package examines the various types of land, air, and/or marine vehicles and vehicle systems found within the transportation sector. Students will acquire identification, troubleshooting, repair, and testing skills that meet industry standards and government regulations. In addition to developing employability and technical skills, they will explore the broad range of career opportunities within this sector, and will examine the impact of the transportation sector on people, society, and the environment. One component will focus on the transmission of power (clutches, manual and automatic transmissions, differentials, etc.) in various types of transportation vehicles. The theory of design, maintenance and system repair with trade skills and practices allow the student to gain valuable knowledge and experience of the vehicle running gear systems (suspension, steering, brakes, chassis electrical etc.) will be the focus of the second 2 credit package. We also incorporate hands-on workplace practice on vehicles and equipment. Students will work within modern industry standards of practice and MTO safety expectations
Prerequisite: None, TTJ3O1 highly recommended

TTJ4E1  Transportation Technology: Vehicle Maintenance, Grade 12, Workplace Preparation
This single credit course examines the commonalities of land, air, and marine vehicles and transportation systems. Students will develop safe workplace habits and business management skills and will use diagnostic, hand, and power tools effectively to service and repair vehicles to meet industry standards and safety inspections. They will also research the entry requirements for apprenticeship training programs and develop the employability and technical skills required for entry into the workplace. This course will focus on personal vehicle maintenance and repair.
Prerequisite: TTJ3O1, TTJ3C1

TTJ4C1  Transportation Technology: Auto Body, Grade 12, College Preparation
This single credit course examines the commonalities of land, air, and marine vehicles and transportation systems. Students will develop safe workplace habits and business management skills and will use diagnostic, hand, and power tools effectively to service and repair vehicles to meet industry standards and safety inspections. They will also research the entry requirements for apprenticeship training programs and develop the employability and technical skills required for entry into the workplace. This course will focus on personal vehicle maintenance and repair. Students will work in the shop on a variety of vehicles, repairing and painting them with a focus on a hands-on approach to reinforce theory. Students will also implement the design process as it relates to vehicle design and paint.
Prerequisite: TT83C2, TTJ3C1

Beal Innovates: Interdisciplinary Studies

<table>
<thead>
<tr>
<th>COURSE CATEGORIES</th>
<th>Grade 9</th>
<th>Grade 10</th>
<th>Grade 11</th>
<th>Grade 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page to Stage</td>
<td>ENG2DK / ENG2PK (English) and ADA2OK (Drama)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>The Story of History</td>
<td>ENG2PK / ENG2DK (English) and CHC2PK / CHC2DK (History)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biology: Changing the World</td>
<td>SB13CK and SNC4MK (Biology and Science)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physimatics</td>
<td>SPU3UK and MCR3UK (Physics and Functions)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Foundations 1</td>
<td>AV13MK (Visual Art)</td>
<td>AWP3MK</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>and ENG3CK / ENG3UK (English)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>The Chemistry of Biology</td>
<td>SB14UK and SCH4UK (Biology and Chemistry)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COURSE CATEGORIES</td>
<td>Grade 9</td>
<td>Grade 10</td>
<td>Grade 11</td>
<td>Grade 12</td>
</tr>
<tr>
<td>-------------------</td>
<td>---------</td>
<td>---------</td>
<td>---------</td>
<td>---------</td>
</tr>
<tr>
<td><strong>THE ARTS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Art</td>
<td>AVI1O1</td>
<td>AVI2O1</td>
<td>AVI3M1</td>
<td>AVI4M1</td>
</tr>
<tr>
<td>Art Multi-Credit</td>
<td>AWD1O1</td>
<td>AWD2O1</td>
<td>AVA2O1</td>
<td></td>
</tr>
<tr>
<td><strong>(Interview required for all programs)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dance</td>
<td>ATC1O1</td>
<td>ATC2O1</td>
<td>ATC3M1</td>
<td>ATC4M1</td>
</tr>
<tr>
<td>Drama</td>
<td>ADA1O1</td>
<td>ADA2O1</td>
<td>ADA3M1</td>
<td>ADA4M1</td>
</tr>
<tr>
<td>Music</td>
<td>AMG1O1</td>
<td>AMG2O1</td>
<td>AMG3M1</td>
<td>AMG4M1</td>
</tr>
<tr>
<td>Music Studio</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Recording</td>
<td>AMI1O1</td>
<td>AMR2O1</td>
<td>AMI3M1</td>
<td>AMR3MB</td>
</tr>
<tr>
<td>Musical Theatre</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ART Multi</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Credit</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Foundation 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Foundation 2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Studio Practice</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specialist</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>BUSINESS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Introduction to Business</td>
<td>BBI1O1</td>
<td>BBI2O1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accounting</td>
<td></td>
<td></td>
<td>BAF3M1</td>
<td>BAT4M1</td>
</tr>
<tr>
<td>Business Finance</td>
<td></td>
<td></td>
<td>IDC4UF</td>
<td></td>
</tr>
<tr>
<td>Business Leadership</td>
<td></td>
<td></td>
<td>BOH4M1</td>
<td></td>
</tr>
<tr>
<td>Computer Studies</td>
<td>BTT1O1</td>
<td>BTT2O1</td>
<td>BTA3O1</td>
<td>BTX4C1</td>
</tr>
<tr>
<td></td>
<td>ICS2O1</td>
<td></td>
<td>ICS3C1</td>
<td>ICS4C1</td>
</tr>
<tr>
<td>Entrepreneurship</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>International Business</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marketing</td>
<td></td>
<td></td>
<td>BM3C1</td>
<td>BMX3E1</td>
</tr>
<tr>
<td>Law</td>
<td></td>
<td></td>
<td>CLU3M1</td>
<td>CLU3E1</td>
</tr>
<tr>
<td>Law</td>
<td></td>
<td></td>
<td>CLN4U1</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td></td>
<td></td>
<td>CIA4U1</td>
<td></td>
</tr>
<tr>
<td>Geography</td>
<td>CGC1PL</td>
<td>CGC1P1</td>
<td>CGG3O1</td>
<td>CGW4U1</td>
</tr>
<tr>
<td></td>
<td>CGC1D1</td>
<td></td>
<td>CGF3M1</td>
<td>CGR4M1</td>
</tr>
<tr>
<td>History</td>
<td>NAC1O1</td>
<td>CHC2PL</td>
<td>CHT3O1</td>
<td>NDG4M1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CHC2P1</td>
<td>CHW3M1</td>
<td>CHY4U1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CHC2D1</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>NAC2O1</td>
<td></td>
</tr>
<tr>
<td><em>ALL CO-OPS require separate application &amp; interview</em></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Students who wish to take a two-credit CO-OP select: <strong>GWL3OD</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Students who wish to take a second two-credit CO-OP in the same school year select: <strong>GWL3OD &amp; GLN4OD</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Students who wish to take Military CO-OP select: <strong>GLC2OD</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Students who wish to take all-day CO-OP select: <strong>GLD2OD</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>ENGLISH</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>ENG1L1</td>
<td>ENG2L1</td>
<td>ENG3E1</td>
<td>ENG4E1</td>
</tr>
<tr>
<td></td>
<td>ENG1P1</td>
<td>ENG2P1</td>
<td>ENG3C1</td>
<td>ENG4C1</td>
</tr>
<tr>
<td></td>
<td>ENG1D1</td>
<td>ENG2PF</td>
<td>NBE3C1</td>
<td>ENG4U1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENG2D1</td>
<td>EMS3O1</td>
<td>ENG4US</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>ENG3U1</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>ETS4U1</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>English as a</td>
<td>ESLA01</td>
<td>ESLB01</td>
<td>ELC4O1</td>
<td></td>
</tr>
<tr>
<td>Second Language</td>
<td>HIF1OR</td>
<td>GC1PR</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MAT1LL</td>
<td>CV2OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ELDA01</td>
<td>GLC2OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>GLS1OR</td>
<td>BT2OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ELDO1</td>
<td>ELD20R</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>BTT1OR</td>
<td>ELDCOL</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>ESLCO1</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>GLN4OL</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>EL4OL</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>CHE30L</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>ELD01</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>GLW3OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COURSE CATEGORIES</td>
<td>Grade 9</td>
<td>Grade 10</td>
<td>Grade 11</td>
<td>Grade 12</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>--------------------------------------</td>
<td>---------------------------------------</td>
<td>---------------------------------------</td>
<td>---------------------------------------</td>
</tr>
<tr>
<td><strong>HEALTH &amp; PHYSICAL EDUCATION</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Guidance</td>
<td>GLC2O5 - careers CHV2O5 - civics</td>
<td>GPP3O1</td>
<td>IDC4UM</td>
<td></td>
</tr>
<tr>
<td>Physical Education</td>
<td>PPL1OF (female) PPL1OM (male) PPL1O1 (co-ed)</td>
<td>PPL2OF (female) PPL2OM (male) PPL2O1</td>
<td>PAF3O1 PAF3O2 PAF3O3 PAF3O4 PAF3O5</td>
<td>PAF4O1 PAF4O2 PAF4O3 PAF4O4 PAF4O5</td>
</tr>
<tr>
<td>French</td>
<td>FSF141 FSF1D9 FSF1P1 FSF1D1</td>
<td>FSF2D1</td>
<td>FSF3U1</td>
<td>FSF4U1</td>
</tr>
<tr>
<td>Spanish</td>
<td>LWSBD1</td>
<td>LWSCU1</td>
<td>LWSDU1</td>
<td></td>
</tr>
<tr>
<td>Native Languages</td>
<td>ONEIDA LNAO1 LNOAO1</td>
<td>LNNBO1 LNOBO1 LNNCO1 LNOCO1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>MAT1L1 MFM1P1 MPM1D1 MAT2L1 MFM2P1 MPM2D1</td>
<td>MEL3E1 MFB3C1 MCF3M1 MCR3U1</td>
<td>MEL4E1 MDM4U MAP4C1 MHC4U MCV4U</td>
<td></td>
</tr>
<tr>
<td>Science</td>
<td>SNC1L1 SNC1P1 SNC1D1 SNC2L1 SNC2P1 SNC2D1</td>
<td>SVN3E1 SB13C1 SB13U1 SCH3U1 SPH3U1</td>
<td>SCH4C1 SPH4C1 SBI4U1 SCH4U1 SPH4U1</td>
<td>SNC4M1</td>
</tr>
<tr>
<td>Special Education</td>
<td>GLS1O1 GLS1OF GLE1O1 GLE2O1 GLE3O1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SOCIAL SCIENCE &amp; HUMANITIES</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anthropology, Psychology / Sociology</td>
<td></td>
<td>HSP3U1 HSP3C1</td>
<td>HSP4U1</td>
<td></td>
</tr>
<tr>
<td>Fashion</td>
<td>HNL2O1</td>
<td>HNC3C1</td>
<td>HNB4M1</td>
<td></td>
</tr>
<tr>
<td>Food and Nutrition</td>
<td>HFN2O1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hairstyling &amp; Aesthetics</td>
<td>TXJ2O1</td>
<td>TXJ3E1</td>
<td>TXJ4E1</td>
<td></td>
</tr>
<tr>
<td>Managing Resources</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exploring Family Studies</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Housing</td>
<td>HLS3O1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Parenting, Work w/Child</td>
<td>HPC3O1 HPW3C1 HHG4M1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Philosophy</td>
<td>HZB3M1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sewing and Clothing</td>
<td>TDP3MS TDP4MS TDP4MP</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>World Religion</td>
<td>HR3F1O1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Communication</td>
<td>TGJ2O1</td>
<td>TGJ3M1 TGR3M1 TGR3M2 TGR3M3 TGR3M4 TGR3M5</td>
<td>TGR3M6 TGR3M7 TGR3M8 TGR3M9 TGR3M10</td>
<td></td>
</tr>
<tr>
<td>Computer</td>
<td>TEJ2O1</td>
<td>TEJ3E1 TEJ3M1 TEJ3E1 TEJ4E1 TEJ4M1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Construction</td>
<td>TCJ2O1</td>
<td>TWJ3E1 TTJ3E1 TCJ3E1 TCJ3E2 TCJ3E3</td>
<td>TCJ3E4 TCJ3E5 TCJ3E6 TCJ3E7 TCJ3E8</td>
<td>TCJ3E9 TCJ3E10 TCJ3E11 TCJ3E12 TCJ3E13</td>
</tr>
<tr>
<td>Manufacturing</td>
<td>TMJ2O1</td>
<td>TMJ3C1 TMJ3E1 TMJ3E2 TMJ3E3 TMJ3E4</td>
<td>TMJ3E5 TMJ3E6 TMJ3E7 TMJ3E8 TMJ3E9</td>
<td>TMJ3E10 TMJ3E11 TMJ3E12 TMJ3E13 TMJ3E14</td>
</tr>
<tr>
<td>Transportation</td>
<td>TIJ1O1- (Integrated Technology)</td>
<td>TTA3C2 TTJ3C1 TTJ3O1 TT4C2 TTJ4C1</td>
<td>TTJ4E1</td>
<td></td>
</tr>
</tbody>
</table>
In order to obtain the **Ontario Secondary School Diploma** students must complete the following:

**Earn the following compulsory credits** (18 in total):
- 4 credits in English (1 credit per grade) *
- 3 credits in Mathematics (1 in Grade 11 or 12)
- 2 credits in Science
- 1 credit in Canadian Geography
- 1 credit in Canadian History
- 1 credit in the Arts
- 1 credit in Health and Physical Education
- 1 credit in French as a Second Language
- 0.5 credit in Career Studies
- 0.5 credit in Civics

**Plus one** credit from **each** of the following groups:

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, or Canadian and world studies, or guidance and career education, or cooperative education***

2. **group 2**: additional credit in health and physical education, or the arts, or business studies, or French as a second language,** or cooperative education***

3. **group 3**: additional credit in science (Grade 11 or 12), or technological education or French as a second language,** or computer studies, or cooperative education***

* A maximum of 3 credits in English as a second language (ESL) or English literacy development (ELD) may be counted towards the 4 compulsory credits in English, but the fourth must be a credit earned for a Grade 12 compulsory English course.

** In groups 1, 2, and 3, a maximum of 2 credits in French as a second language can count as compulsory credits, one from group 1 and one from either group 2 or group 3.

*** A maximum of 2 credits in cooperative education can count as compulsory credits. The 12 optional credits may include up to 4 credits earned through approved dual credit courses.

In addition, students **must** complete:

- ✓ 12 optional credits
- ✓ 40 hours of community involvement activities
- ✓ the provincial literacy requirement (OSSLT)

**PLEASE CIRCLE** or **ADD** the correct course codes in the boxes below

**MY GRADE 10**

**ENGLISH**

<table>
<thead>
<tr>
<th>ENG2L1</th>
<th>ENG2PF</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG2P1</td>
<td>ENG2D1</td>
</tr>
</tbody>
</table>

**CIVICS & CAREERS**

<table>
<thead>
<tr>
<th>CHV2O5</th>
<th>GLC2O5</th>
</tr>
</thead>
<tbody>
<tr>
<td>.5 credit</td>
<td>.5 credit</td>
</tr>
</tbody>
</table>

**MATHEMATICS**

<table>
<thead>
<tr>
<th>MAT2L1</th>
<th>MFM2P1</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPM2D1</td>
<td></td>
</tr>
</tbody>
</table>

**CANADIAN HISTORY**

<table>
<thead>
<tr>
<th>CHC2L1</th>
<th>CHC2D1</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHC2P1</td>
<td>NAC2O1</td>
</tr>
</tbody>
</table>

**SCIENCE**

<table>
<thead>
<tr>
<th>SNC2P1</th>
<th>SNC2D1</th>
<th>SVN3E1</th>
</tr>
</thead>
</table>

**PLEASE CIRCLE** or **ADD** the correct course codes in the boxes below

**MY GRADE 11**

**ENGLISH**

<table>
<thead>
<tr>
<th>ENG3U1</th>
<th>ENG3E1</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG3C1</td>
<td>NBE3C1</td>
</tr>
</tbody>
</table>

**MATHEMATICS**

<table>
<thead>
<tr>
<th>MEL3E1</th>
<th>MCF3M1</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBF3C1</td>
<td>MCR3U1</td>
</tr>
</tbody>
</table>

**PLEASE CIRCLE** or **ADD** the correct course codes in the boxes below

**MY GRADE 12**

**ENGLISH**

<table>
<thead>
<tr>
<th>ENG4U1</th>
<th>ENG4E1</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG4C1</td>
<td>OLC4C1</td>
</tr>
</tbody>
</table>

**SCIENCE**

<table>
<thead>
<tr>
<th>SNC1L1</th>
<th>SNC1P1</th>
</tr>
</thead>
<tbody>
<tr>
<td>SNC1D1</td>
<td></td>
</tr>
</tbody>
</table>

**CANADIAN GEOGRAPHY**

<table>
<thead>
<tr>
<th>CGC1PL</th>
<th>CGC1P1</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGC1D1</td>
<td></td>
</tr>
</tbody>
</table>

**FRENCH**

<table>
<thead>
<tr>
<th>FSF141</th>
<th>FSF1P1</th>
</tr>
</thead>
<tbody>
<tr>
<td>FSF1D1</td>
<td></td>
</tr>
</tbody>
</table>

**PHYSICAL EDUCATION**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>