About Us

We believe in the importance and value of completing a secondary education and are committed to reaching all students through a variety of supports. A positive high school experience involves success in academics and a sense of belonging. We are family/community-oriented, and offer something for everyone. The House System has a long-standing tradition at EDHS and provides several opportunities to demonstrate school spirit and community outreach.

School Highlights

Our wide range of extra-curricular activities include:

Teams and Sports:
Badminton, Basketball, Core Conditioning, Cross Country Running, Curling, Fitness Activities, Flag Football, Golf, Hockey, Nordic Skiing, Soccer, Track and Field, Ultimate Frisbee (no-cut program), Volleyball.

Clubs
Announcers, Game Room, Gay-Straight Alliance, Green Team, Inter-School Christian Fellowship, Outdoors Club and Yearbook Club.

Music & Arts
Blues Band, Choir, Concert Band, and Sound & Lighting

Leadership
Link Crew, Peer Mediation, Student Athletic Association, Student Council

Community
EDHS Day, Fall Fair, Food Drive, Maple Syrup Festival, Terry Fox Run, Salvation Army Family Sponsorship, Environmental Partnerships

Program Highlights

Specialist High Skills Major - Environmental
Outdoor Education Leadership Program
OYAP, Dual Credit, Co-op

Course Selection Information – Timelines and Due Dates
February 28 – Grade 8 Course Selections Due
February 14 - March 6 – Grade 9-12 Course Selections
<table>
<thead>
<tr>
<th>Course Titles</th>
<th>Grade 9</th>
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<td>Drama (Univ./College)</td>
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<tr>
<td>Music For Creating</td>
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<td>Music - Guitar</td>
<td>AMG2O</td>
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<td>Music – Instrumental</td>
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<td>Music - Keyboarding</td>
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<td>Business Leadership: Management Fundamentals</td>
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<td>Introduction to Business</td>
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<td>World History since 1900</td>
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**Note:** Course titles marked with an (Univ./College) designation are assumed to be available at the university or college level.
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<td>Designing Your Future (2 credits)</td>
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<td>Designing Your Future (4 credits)</td>
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<td>English (Workplace)</td>
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<td>Ontario Secondary School Literacy Course</td>
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<td>The Writer’s Craft (College)</td>
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<td>Career Studies (half credit taken with a half Civics and Citizenship)</td>
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<td>Leadership and Peer Support</td>
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<td>Healthy Active Living Education (F=female, M=male)</td>
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<td>PPL1OF</td>
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<td>Healthy Active Living and Personal Fitness Activities (F - Female; M – Male)</td>
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<td>PPL1OM</td>
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<td>Healthy Active Living and Large-Group Activities</td>
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<td>Living Life Well - How To Be Well And Live Better Interdisciplinary Studies</td>
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<td>Outdoor Environmental Leadership (3 Credit Package; co-op code to be determined on an individual basis)</td>
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<td>Calculus and Vectors (University)</td>
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<td>Foundations for College Mathematics (College)</td>
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<td>Mathematics of Data Management (University)</td>
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<td>Introduction to Anthropology, Psychology, and Sociology (College)</td>
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<td>Challenge and Change in Society (University)</td>
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### Course Titles

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Course Titles | Grade 9 | Grade 10 | Grade 11 | Grade 12
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TECHNOLOGICAL EDUCATION |  |  |  |
Communications Technology (Open) |  | TGJ2O |  |
Communications Technology (University/College) |  |  | TGJ3M |
Communications Technology: Broadcast and Print Production (Open) |  |  | TGJ3O |
Construction Technology (Open) | TCJ2O |  |  |
Construction Engineering Technology (College) | TCJ3C |  |  |
Construction Engineering (Workplace) | TCJ3E |  |  |
Design Technology |  | TDJ2O |  |
Exploring Technologies | TIJ1O |  |  |
Green Industries |  | THJ2O |  |
Hospitality and Tourism (Open) |  |  | TFJ2O |
Hospitality and Tourism (College) |  |  | TFJ3C |
Hospitality and Tourism (Workplace) |  |  | TFJ3E |

SPECIALIST HIGH SKILLS MAJOR: ENVIRONMENT

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<td>CGW4C – World Issues</td>
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<td>PAF3O – Healthy Active Living &amp; Personal Fitness</td>
<td></td>
<td>CGW4U – World Issues</td>
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<tr>
<td>SBI3C - Biology</td>
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<td>PPL4O – Healthy Active Living</td>
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<td>SBI3U - Biology</td>
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<td>SBI4U - Biology</td>
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<tr>
<td>SVN3M – Environmental Science</td>
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<td>SCH4C - Chemistry</td>
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<td>SVN3E – Environmental Science</td>
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<td>SCH4U - Chemistry</td>
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<tr>
<td>SCH3U - Chemistry</td>
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<td>HSB4U – Challenge and Change in Society</td>
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<tr>
<td>TCJ3O – Construction Technology</td>
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<td>TCJ4C – Construction Technology</td>
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<td>TCJ3M – Construction Technology</td>
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<td>TCJ4E – Construction Technology</td>
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</tbody>
</table>

**e-LEARNING SCDSB 2019-2020**

* A letter of intent acknowledging that delivery and student expectations for e-learning courses is different than face-to-face courses must be completed by each student. Students can access the letter of intent for completion from the guidance/student services office.

**Semester 1**
OLC4O – Ontario Literacy Course
HSE4M – Equity and Social Justice
HHG4M – Human Development
HHS4U/C – Families in Canada
CGG3O – Travel & Tourism

**Semester 2**
ENG3U – English
CGR4M – Environment and Resource Management
CGW4U – World Issues
MCT4C – Math
HFA4U – Nutrition and Health
**Summer School Master Chart 2019-2020**

*Edutravel is an SCDSB approved *Independent Travel Company* offering credit based learning opportunities during March break and in the summer, for a fee. Information and registration details are available on the Edutravel [website](#).*

### Summer School Courses

<table>
<thead>
<tr>
<th>Subject</th>
<th>Grade 9</th>
<th>Grade 10</th>
<th>Grade 11</th>
<th>Grade 12</th>
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<tbody>
<tr>
<td><strong>Face to Face</strong></td>
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<tr>
<td>Applied to Academic Math Transfer (0.5 cr)</td>
<td>MPM1H</td>
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<tr>
<td>Foundations for College Mathematics (Coll.)</td>
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<tr>
<td>Mathematics for College Technology (Coll.)</td>
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<tr>
<td>Functions (University)</td>
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<tr>
<td>Advanced Functions (University)</td>
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<tr>
<td>Calculus and Vectors (University)</td>
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<tr>
<td>English as a Second Language</td>
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<tr>
<td>Presentation Skills (for ESL students only)</td>
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<tr>
<td>Spanish Coop</td>
<td>ESBLBO</td>
<td>ESLCO</td>
<td>EPS3O</td>
<td>LWSBO</td>
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<tr>
<td></td>
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<td>various</td>
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<tr>
<td><strong>Business</strong></td>
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<tr>
<td>International Business Fundamentals</td>
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<td><strong>English</strong></td>
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<tr>
<td>Literacy Course</td>
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<tr>
<td>English (Workplace)</td>
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<td>English (University)</td>
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<tr>
<td>Writer’s Craft (University)</td>
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<tr>
<td><strong>Math</strong></td>
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<tr>
<td>Mathematics of Data Management (Univ.)</td>
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<tr>
<td><strong>Science</strong></td>
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<td>Biology (College)</td>
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<td>Physics (University)</td>
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<td>Civics (.5cr)</td>
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<td>Career Studies (.5cr)</td>
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<td>Analysing Current Economic Issues (Univ.)</td>
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<td>Equity and Social Justice (Univ./College)</td>
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<td>World Cultures (Univ./College)</td>
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<td>Gender Studies (Univ./College)</td>
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<td><strong>EduTravel</strong> (Website)</td>
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<tr>
<td>Biology in Fiji</td>
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<tr>
<td>Sustainable Environments</td>
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<td>Civics and Careers</td>
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<tr>
<td>Canadian Geography (Academic)</td>
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<tr>
<td><strong>EduTravel</strong> (Website)</td>
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*Edutravel is an SCDSB approved Independent Travel Company offering credit based learning opportunities during March break and in the summer, for a fee. Information and registration details are available on the [Edutravel website](#).*
# Night School Master Chart 2019-2020

## Night School Courses

**Barrie Learning Centre**  
Face to Face Two nights/week

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Semester 1</th>
<th>Semester 2</th>
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</thead>
<tbody>
<tr>
<td>TBD</td>
<td>220/110 hrs in evening</td>
<td>220/110 hrs in evening</td>
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<tr>
<td>LWSBO/CO</td>
<td>Monday/Wednesday</td>
<td>Tuesday/Thursday</td>
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<tr>
<td>LWIBO</td>
<td>Tuesday/Thursday</td>
<td>Monday/Wednesday</td>
</tr>
</tbody>
</table>

### Open

- **Co-op (2 credit or 1 credit)**
  - Spanish
  - Italian
  - Course Code: TBD
  - Semester 1:
    - LWSBO/CO:
      - Monday/Wednesday
    - LWIBO:
      - Tuesday/Thursday
  - Semester 2:
    - Monday/Wednesday
    - Tuesday/Thursday

### Grade 11

- **English (Literacy)**
  - Course Code: OLC3O
  - Semester 1:
    - Monday/Wednesday
  - Semester 2:
    - Monday/Wednesday

- **English (Workplace)**
  - Course Code: ENG3E
  - Semester 1:
    - Monday/Wednesday
  - Semester 2:
    - Monday/Wednesday

- **English (College)**
  - Course Code: ENG3C
  - Semester 1:
    - Monday/Wednesday
  - Semester 2:
    - Monday/Wednesday

- **English (University)**
  - Course Code: ENG3U
  - Semester 1:
    - Monday/Wednesday
  - Semester 2:
    - Monday/Wednesday

### Grade 12

- **Math (Workplace)**
  - Course Code: MEL3E
  - Semester 1:
    - Monday/Wednesday
  - Semester 2:
    - Monday/Wednesday

- **Math (College)**
  - Course Code: MBF3C
  - Semester 1:
    - Monday/Wednesday
  - Semester 2:
    - Monday/Wednesday

- **Math (University)**
  - Course Code: MCR3U
  - Semester 1:
    - Monday/Wednesday
  - Semester 2:
    - Monday/Wednesday

### Biology (College)

- Course Code: SBI3C
  - Semester 1:
    - Monday/Wednesday
  - Semester 2:
    - Monday/Wednesday

### Biology (University)

- Course Code: SBI3U
  - Semester 1:
    - Monday/Wednesday
  - Semester 2:
    - Monday/Wednesday

### Chemistry (University)

- Course Code: SCH3U
  - Semester 1:
    - Monday/Wednesday
  - Semester 2:
    - Monday/Wednesday

### Physics (University)

- Course Code: SPH3U
  - Semester 1:
    - Monday/Wednesday
  - Semester 2:
    - Monday/Wednesday

### Grade 12

- **English (Literacy)**
  - Course Code: OLC4O
  - Semester 1:
    - Monday/Wednesday
  - Semester 2:
    - Monday/Wednesday

- **English (Workplace)**
  - Course Code: ENG4E
  - Semester 1:
    - Monday/Wednesday
  - Semester 2:
    - Monday/Wednesday

- **English (College)**
  - Course Code: ENG4C
  - Semester 1:
    - Monday/Wednesday
  - Semester 2:
    - Monday/Wednesday

- **English (University)**
  - Course Code: ENG4U
  - Semester 1:
    - Monday/Wednesday
  - Semester 2:
    - Monday/Wednesday

### Math (Workplace)

- Course Code: MEL4E
  - Semester 1:
    - Tuesday/Thursday
  - Semester 2:
    - Tuesday/Thursday

- **Math for College Tech (College)**
  - Course Code: MCT4C
  - Semester 1:
    - Tuesday/Thursday
  - Semester 2:
    - Tuesday/Thursday

- **Advanced Functions (University)**
  - Course Code: MHF4U
  - Semester 1:
    - Tuesday/Thursday
  - Semester 2:
    - Tuesday/Thursday

- **Calculus (University)**
  - Course Code: MCV4U
  - Semester 1:
    - Tuesday/Thursday
  - Semester 2:
    - Tuesday/Thursday

- **Data Management (University)**
  - Course Code: MDM4U
  - Semester 1:
    - Tuesday/Thursday
  - Semester 2:
    - Tuesday/Thursday

### Biology (University)

- Course Code: SBI4U
  - Semester 1:
    - Monday/Wednesday
  - Semester 2:
    - Monday/Wednesday

### Chemistry (College)

- Course Code: SCH4C
  - Semester 1:
    - Monday/Wednesday
  - Semester 2:
    - Monday/Wednesday

### Chemistry (University)

- Course Code: SCH4U
  - Semester 1:
    - Monday/Wednesday
  - Semester 2:
    - Monday/Wednesday

### Physics (College)

- Course Code: SPH4C
  - Semester 1:
    - Monday/Wednesday
  - Semester 2:
    - Monday/Wednesday

### Physics (University)

- Course Code: SPH4U
  - Semester 1:
    - Monday/Wednesday
  - Semester 2:
    - Monday/Wednesday

### Equity and Social Justice: From Theory to Practice (Univ./College)

- Course Code: HSE4M
  - Semester 1:
    - Tuesday/Thursday
  - Semester 2:
    - Monday/Wednesday

### World Cultures (Univ./College)

- Course Code: HSC4M
  - Semester 1:
    - Tuesday/Thursday
  - Semester 2:
    - Monday/Wednesday

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Additional information – Policies and Procedures”

Please refer to the 2019-2020 SCDSB Common calendar for details:

[https://www.scdsb.on.ca/secondary](https://www.scdsb.on.ca/secondary)
GRADE 9 COURSE DESCRIPTIONS

Grade 8 students choose Grade 9 courses on the basis of their needs, interests, strengths, and past achievements. They may also choose Grade 10 courses. However, it is important to look at the prerequisites for courses in Grade 11 and 12 to make sure that the Grade 10 course chosen will lead to the desired destination.

COMPULSORY COURSES – GRADE 9

Each student will take the following courses at either the Applied, Academic, or Locally Developed levels: Canadian Geography, English, French, Mathematics, and Science. One Arts-based credit and one Phys. Ed. credit are required for graduation. They may be taken at any grade level. Please check prerequisite requirements.

CGC1D: Issues in Canadian Geography, Academic
This course examines interrelationships within and between Canada’s natural and human systems and how these systems interconnect with those in other parts of the world. Students will explore environmental, economic, and social geographic issues relating to topics such as transportation options, energy choices, and urban development. Students will apply the concepts of geographic thinking and the geographic inquiry process, including spatial technologies, to investigate various geographic issues and to develop possible approaches for making Canada a more sustainable place to live.

NOTE: tools used in the geographic inquiry process include interactive maps, photographs, websites, satellite images, new articles, etc.

CGC1P: Issues in Canadian Geography, Applied
This course focuses on current geographic issues that affect Canadians. Students will draw on their personal and everyday experiences as they explore issues relating to food and water supplies, competing land uses, interactions with the natural environment, and other topics relevant to sustainable living in Canada. They will also develop awareness that issues that affect their lives in Canada are interconnected with issues in other parts of the world. Throughout the course, students will use the concepts of geographic thinking, the geographic inquiry process, and spatial technologies to guide and support their investigations.

NOTE: tools used in the geographic inquiry process include interactive maps, photographs, websites, satellite images, new articles, etc.

ENG1D: English, Academic
This course is designed to develop the oral communication, reading, writing, and media literacy skills that students need for success in their secondary school academic programs and in their daily lives. Students will analyze literary texts from contemporary and historical periods, interpret informational and graphic texts, and create oral, written, and media texts in a variety of forms. An important focus will be on the use of strategies that contribute to effective communication. The course is intended to prepare students for the Grade 10 academic English course, which leads to university or college preparation courses in Grades 11 and 12.

NOTE: This course will also focus on literacy test preparation.

ENG1L: English, Locally Developed
This course provides foundational literacy and communication skills to prepare students for success in their daily lives, in the workplace, and in the Grade 10 course. Students develop listening, talking, reading, viewing, and writing skills in a variety of authentic contexts.

ENG1P: English, Applied
This course is designed to develop the key oral communication, reading, writing, and media literacy skills students need for success in secondary school and daily life. Students will read, interpret, and create a variety of informational, literary, and graphic texts. An important focus will be on identifying and using appropriate strategies and processes to improve students’ comprehension of texts and to help them communicate clearly and effectively. The course is intended to prepare students for the Grade 10 applied English course, which leads to college or workplace preparation courses in Grades 11 & 12.

NOTE: This course will also focus on literacy test preparation.

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FSF1D: Core French, Academic
This course provides opportunities for students to communicate and interact in French with increasing independence, with a focus on familiar topics related to their daily lives. Students will develop their skills in listening, speaking, reading, and writing by using language learning strategies introduced in the elementary Core French program, and will apply creative and critical thinking skills in various ways. They will also enhance their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning. **NOTE:** thematic exploration of culture; emphasis on communication; access to interactive on-line authentic French resources

**Prerequisite:** Minimum of 600 hours of Elementary Core French instruction, or equivalent.

FSF1O: Core French, Open
This is an introductory course for students who have little or no knowledge of French or who have not accumulated the minimum of 600 hours of elementary Core French instruction. Students will begin to understand and speak French in guided and structured interactive settings, and will develop fundamental skills in listening, speaking, reading, and writing through discussing issues and situations that are relevant to their daily lives. Throughout the course, students will develop their awareness of diverse French-speaking communities in Canada and acquire an understanding and appreciation of these communities. They will also develop a variety of skills necessary for lifelong language learning. **NOTE:** Students will develop the ability to express daily needs, acquire basic conversation skills and vocabulary, and use simple sentence patterns orally and in writing. Students will explore cultural components (media, sports, celebrations) of “La Vie Francophone” and compare them with their own lives and Canadian culture.

**Prerequisite:** None

FSF1P: Core French, Applied
This course provides opportunities for students to communicate and interact in French in structured situations, with a focus on everyday topics, and to apply their knowledge of French in everyday situations. Students will develop listening, speaking, reading, and writing skills introduced in the elementary Core French program, through practical applications and concrete examples, and will use creative and critical thinking skills in various ways. They will also enhance their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning. **NOTE:** thematic exploration of culture; emphasis on communication; access to interactive on-line authentic French resources

**Prerequisite:** Minimum of 600 hours of elementary Core French instruction, or equivalent.

MPM1D: Principles of Mathematics, Academic
This course enables students to develop understanding of mathematical concepts related to algebra, analytic geometry, and measurement and geometry through investigation, the effective use of technology, and abstract reasoning. Students will investigate relationships, which they will then generalize as equations of lines, and will determine the connections between different representations of a linear relation. They will also explore relationships that emerge from the measurement of three-dimensional objects and two-dimensional shapes. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

MAT1L: Mathematics, Locally Developed
This course emphasizes development of mathematical knowledge and skills to prepare students for success in their everyday lives, in the workplace, in the Grade 10 Locally Developed course, and in the Mathematics Grade 11 and Grade 12 Workplace Preparation courses. Students develop mathematical literacy, problem-solving, and communication skills related to money sense, measurement, and proportional reasoning by completing practical, authentic activities.

MFM1P: Foundations of Mathematics, Applied
This course enables students to develop an understanding of mathematical concepts related to introductory algebra, proportional reasoning, and measurement and geometry through investigation, the effective use of technology, and hands-on activities. Students will investigate real-life examples to develop various representations of linear relationships, and will determine the connections between the representations. They will also explore certain relationships that emerge from the measurement of three-dimensional figures and two-dimensional shapes. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.
SNC1D: Science, Academic
This course enables students to develop their understanding of basic concepts in biology, chemistry, earth and space science, and physics, and to relate science to technology, society, and the environment. Throughout the course, students will develop their skills in the processes of scientific investigation. Students will acquire an understanding of scientific theories and conduct investigations related to sustainable ecosystems; atomic and molecular structures and the properties of elements and compounds; the study of the universe and its properties and components; and the principles of electricity.

SNC1L: Science, Locally Developed
This course develops science-related knowledge and skills to prepare students for success in everyday life, in the workplace, and in the Science Grade 11 Workplace preparation course. Students explore scientific topics that connect with their lives by engaging in practical science activities. **NOTE:** The majority of the strands are addressed through project-based learning. Projects are tailored to the class focusing on group dynamics, problem solving and technical skills.

SNC1P: Science, Applied
This course enables students to develop their understanding of basic concepts in biology, chemistry, earth and space science, and physics, and to apply their knowledge of science to everyday situations. They are also given opportunities to develop practical skills related to scientific investigation. Students will plan and conduct investigations into practical problems and issues related to the impact of human activity on ecosystems; the structure and properties of elements and compounds; space exploration and the components of the universe; and static and current electricity.

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ELECTIVE COURSES – GRADE 9

Grade 8 students are asked to select three elective courses and two alternates.

ADA1O: Drama, Open
This course provides opportunities for students to explore dramatic forms and techniques using material from a wide range of sources and cultures. Students will use the elements of drama to examine situations and issues that are relevant to their lives. Students will create, perform, discuss, and analyze drama, and then reflect on the experiences to develop an understanding of themselves, the art form, and the world around them.

AMU1O: Music, Open
This course emphasizes the creation and performance of music at a level consistent with previous experience and is aimed at developing technique, sensitivity, and imagination. Students will develop musical literacy skills by using the creative and critical analysis processes in composition, performance, and a range of reflective and analytical activities. Students will develop an understanding of the conventions and elements of music and of safe practices related to music, and will develop a variety of skills transferable to other areas of their lives.

AMV1O: Vocal Music, Open
An intermediate vocal music course in which the students continue to develop an appreciation of music through the development of skills in listening, performing and creating. Repertoire will be varied, and performance will be in both large and small ensembles. Theory concepts such as major and minor scales, intervals and rhythmic dictation will be taught, along with some music history. **NOTE:** A beginner vocal music course in which students develop an appreciation of music through listening, performing, and creating. Repertoire will be varied, and performance will be in both large and small ensembles with an emphasis on creating a comfortable and supportive musical environment. Theory concepts such as major scales, intervals and rhythmic dictation will be taught, along with some music history.

AVI1O: Visual Arts, Open
This course is exploratory in nature, offering an overview of visual arts as a foundation for further study. Students will become familiar with the elements and principles of design and the expressive qualities of various materials by using a range of media, processes, techniques, and styles. Students will use the creative and critical analysis processes and will interpret art within a personal, contemporary, and historical context.

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BTT10: Information and Communication Technology, in Business, 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.

PAF1OF (Female)  PAF1OM (Male)
Healthy Living and Personal Fitness Activities: An Introduction to Personal Fitness, Grade 9, Open
This course equips students with the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities, students develop knowledge and skills related to movement competence and personal fitness that provide a foundation for active living. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.
NOTE: This course will focus on introducing activities that promote lifelong physical and mental wellness in a fitness center and outdoor atmosphere. Students will learn to develop and revise personal fitness plans to suit their own needs, such as cross training for their chosen sport or desiring to improve their self-image and fitness levels, as well as assess and monitor their health-related fitness during physical activity. The course involves various forms of physical training including cardiovascular and strength training programs. The development of these skills will start students on a path to achieving their personal wellness goals both now and in the future.

PPL1OF (Female)  PPL1OM (Male)
Physical / Health Education: Healthy Active Living, Open
This course equips students with the knowledge and skills they need to make healthy choices now and lead healthy, active lives in the future. Through participation in a wide range of physical activities, students develop knowledge and skills related to movement competence and personal fitness that provide a foundation for active living. Students also acquire an understanding of the factors and skills that contribute to healthy development and learn how their own well-being is affected by, and affects, the world around them. Students build their sense of self, learn to interact positively with others, and develop their ability to think critically and creatively.
NOTE: This interactive and cooperative course provides students with an introduction to a variety of court, field and individual sports while also introducing the basic knowledge of personal fitness that can allow them to truly embrace healthy living throughout their lives. They will learn basic sport skills in team games such as basketball, volleyball, soccer, football and slow pitch while also developing a knowledge of individual activities such as badminton, tennis and golf. Students will also have the opportunity to try out a variety of fitness programs ranging from strength to yoga or sport-specific training, and participate in community field trips such as rock climbing, skiing and golf.

TJ10: Exploring Technological Design, Open
This exploratory course introduces students to concepts and skills related to technological design, which involves the development of solutions to various design challenges and the fabrication of models or prototypes of those solutions. Students will develop an awareness of related environmental and societal issues, and will begin to explore secondary and postsecondary pathways leading to careers in the field. NOTE: Students will learn to safely and properly use mitre saws, table saws, band saws and all the hand tools. They will be able to explore more complex technical set-ups using the 3-D printer and CNC Router. The students will also learn the basics of electricity and plumbing and more.
GRADE 10 COURSE DESCRIPTIONS

Grade 9 students choose Grade 10 courses based on their needs, interests, strengths, and past achievements. They may also choose grade 11 courses. However, it is important to look at the prerequisites for courses in grade 12 to make sure that the grade 11 course chosen will lead to the desired destination.

COMPULSORY COURSES – GRADE 10

Each student will take the following grade 10 courses at either the Applied, Academic, Open or Locally Developed levels: Canadian History, Civics and Career Studies (half credit each), English, Mathematics, Science.

CHC2D: Canadian History Since World War 1, 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.

CHC2L: Canadian History Since World War I, Locally Developed
This course focuses on the connections between the student and key people, events, and themes in Canadian history from World War I to the present. Students explore a variety of topics highlighting individuals and events that have contributed to the story of Canada. The major themes of Canadian identity, internal and external relationships, and changes since 1914, are explored through guided investigation. Students have the opportunity to extend analytical skills with a focus on identifying and interpreting events and perspectives and making connections. Students practice reading, writing, visual, and oral literacy skills, and mathematical literacy skills to identify and communicate ideas in a variety of forms.

CHC2P: Canadian History Since World War 1, 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.

CHV2O: Civics and Citizenship, Grade 10, Open (.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.

ENG2D: 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. Students will read three independent books and complete a compulsory Book Festival throughout the course.

NOTE: This course will also focus on literacy test preparation. Prerequisite: English, Grade 9, Academic or Applied

ENG2L: English, Grade 10, Locally Developed
In this course, students extend their literacy and communication skills to prepare for success in their daily lives, in the workplace, and in the English Grade 11 Workplace preparation course. Students build on their strategies and engage in the processes involved in talking, listening, reading, viewing, writing and thinking in a variety of authentic contexts.
ENG2P: 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. Students will read three independent books and complete a compulsory Book Festival throughout the course. **NOTE:** This course will also focus on literacy test preparation.
**Prerequisite:** English, Grade 9, Academic or Applied

GLC2O: Career Studies, Grade 10, Open .5 credit
This course teaches students how to develop and achieve personal goals for future learning, work, and community involvement. Students will assess their interests, skills, and characteristics and investigate current economic and workplace trends, work opportunities, and ways to search for work. The course explores post-secondary learning and career options, prepares students for managing work and life transitions, and helps students focus on their goals through the development of a career plan.

MPM2D: 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 relationships 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:** Mathematics, Grade 9, Academic

MAT2L: Mathematics, Grade 10, Locally Developed
This course extends students’ 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. Students strengthen their mathematical literacy, problem-solving, and communication skills related to money sense, measurement, and proportional reasoning by completing practical, authentic activities.
**Prerequisite:** Mathematics, Grade 9, any level

MFM2P: Foundations of Mathematics, Grade 10, Applied
This course enables students to consolidate their understanding of linear relations and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and hands-on activities. Students will develop and graph equations in analytic geometry; solve and apply linear systems, using real life examples; and explore and interpret graphs of quadratic relations. Students will investigate similar triangles, the trigonometry of right-angled triangles, and the measurement of three-dimensional figures. Students will consolidate their mathematical skills as they solve problems and communicate their thinking. **Prerequisite:** Mathematics, Grade 9, Academic or Applied

SNC2D: Science, Grade 10, Academic
This course enables students to enhance their understanding of concepts in biology, chemistry, earth and space science, and physics, and of the interrelationships between science, technology, society, and the environment. Students are also given opportunities to further develop their scientific investigation skills. Students will plan and conduct investigations and develop their understanding of scientific theories related to the connections between cells and systems in animals and plants; chemical reactions, with a particular focus on acid-base reactions; forces that affect climate and climate change; and the interaction of light and matter.
**Prerequisite:** Science, Grade 9, Academic or Applied
SNC2L: Science, Grade 10, Locally Developed
This course strengthens science-related knowledge and skills to prepare students for success in everyday life, in the workplace, and in the Science Grade 11 Workplace preparation course. Students explore science in the media, interactions of common materials, organisms in communities and electrical energy through practical science activities. Students learn science and technology through a series of hands-on projects. An emphasis is placed on developing creative approaches to problem solving and on developing skills which will be valuable in the workplace. Students also gain experience in group work, literacy, measurement and analysis, and interpreting current events. This course is project-based.

SNC2P: 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 apply their knowledge of science in real-world situations. Students are given opportunities to develop further practical skills in scientific investigation. Students will plan and conduct investigations into everyday problems and issues related to human cells and body systems; chemical reactions; factors affecting climate change; and the interaction of light and matter.

Prerequisite: Science, Grade 9, Academic or Applied

ELECTIVE COURSES – GRADE 10

Grade 10 students are asked to select three elective courses and two alternates.

ADA2O: Drama, 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.

AMG2O: Music – Beginner Guitar, Grade 10, Open
An introductory course in which the students are taught the basics of playing guitar. The topics will include: chord formation, notation, tab, soloing and styles of guitar playing. Emphasis is placed on working co-operatively in groups, self-discipline and self-expression through music. Students will also gain an understanding of the role of music and the arts in society.

AMK2O: Music Keyboarding, Grade 10, Open
Students will work individually on piano/keyboards connected to a computer. Students will investigate various software programs that will allow them to discover the piano/keyboard, playing in a band setting, composing, recording and music theory. Students will perform a variety of styles of music from pop to classical.

AMU2O: Music, Grade 10, Open
This course emphasizes the creation and performance of music at a level consistent with previous experience and is aimed at developing technique, sensitivity, and imagination. Students will develop musical literacy skills by using the creative and critical analysis processes in composition, performance, and a range of reflective and analytical activities. Students will develop 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 self, communities, and cultures.

Note: Recommended AMU1O, or previous instrumental music experience.

AMV2O: Vocal Music, Grade 10, Open
An intermediate vocal music course in which the students continue to develop an appreciation of music through the development of skills in listening, performing and creating. Repertoire will be varied, and performance will be in both large and small ensembles. Theory concepts such as major and minor scales, intervals and rhythmic dictation will be taught, along with some music history.

AVI2O: 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.

**AWT2O: Visual Arts – Urban Art, Grade 10, Open**

Students explore urban, street design, and art forms together with social justice issues. The course emphasizes: the elements and principals of design; observational drawing using a variety of media and techniques; as well as critical and creative thinking skills. The course utilizes a “hands-on” approach to explore the creative process in both 2 and 3 dimensional projects. Students use art as a vehicle through which they will examine their own world and express themselves.

**BBI2O: 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.

**FSF2D: Core French, Grade 10, Academic**

This course provides opportunities for students to communicate in French about personally relevant, familiar, and academic topics in real-life situations with increasing independence. Students will exchange information, ideas, and opinions with others in guided and increasingly spontaneous spoken interactions. Students will develop their skills in listening, speaking, reading, and writing through the selective use of strategies that contribute to effective communication. They will also increase their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning. **NOTE:** novel-based work, kahoot, duolingo, Franco-Ontarien celebrations, traditional and cultural activities (winter carnival) **Prerequisite:** Core French, Grade 9, Academic or Applied

**FSF2P: Core French, Grade 10, Applied**

This course provides opportunities for students to communicate in French about everyday matters and topics of personal interest in real-life situations. Students will exchange information, ideas, and opinions with others in structured, guided, and increasingly spontaneous spoken interactions. Students will develop their skills in listening, speaking, reading, and writing through using language learning strategies for understanding texts and communicating clearly. They will also increase their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning. **NOTE:** novel-based work, kahoot, duolingo, Franco-Ontarien celebrations, traditional and cultural activities (winter carnival) **Prerequisite:** Core French, Grade 9, Academic or Applied

**ICS2O: Introduction to Computer Science, 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. **(Course offered in alternate years; Next 2019-20)**

**NAC2O: Aboriginal Peoples in Canada, Grade 10, Open**

This course explores First Nations, Métis, and Inuit peoples’ relationships with Canada from pre-contact to the 21st century. Students will examine social, economic, political and military interactions that impact the contemporary realities of Aboriginal people in Canada in relation to identity, culture, community, land, and governance. Students will explore their own and others’ ideas using the historical inquiry process to think critically and respond responsibly about civic questions raised today as a result of the changing relationships. **NOTE:** The history of Aboriginal Peoples in Canada is explored through oral and hands-on activities using an interdisciplinary approach.
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.
NOTE: This interactive and cooperative course provides students with an introduction to a variety of court, field and individual sports while also introducing the basic knowledge of personal fitness that can allow them to truly embrace healthy living throughout their lives. They will learn basic sport skills in team games such as basketball, volleyball, soccer, football and slow pitch which further provides a knowledge of individual activities such as badminton, tennis and golf. Students will also have the opportunity to try out a variety of fitness programs ranging from strength to yoga or sport-specific training, and participate in community field trips such as rock climbing, skiing and golf.

PAL2O1: Healthy Active Living and Large Group Activities, 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.
NOTE: This course is intended for students very interested in the large group activity of hockey as their main focus for fitness. Using 30-50 hours of on-ice instruction the course aims to further develop player confidence, individual playing skill, and leadership abilities while promoting lifelong healthy active living. Student learning will include the application of movement principles to refine skills and participation in hockey specific training to enhance personal fitness. The health component of the course will examine fitness appraisals, fitness planning, exercises and injury prevention, nutrition, substance use and abuse and the use of informed decision making as positive contributors to the successful student athlete.

There is a fee associated with this focus course.

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TCJ2O: Construction Technology, Grade 10, Open
This course introduces students to building materials and processes through opportunities to design and build various construction projects. Students will learn to create and read working drawings; become familiar with common construction materials, components, and processes; and perform a variety of fabrication, assembly, and finishing operations. They will use a variety of hand and power tools and apply knowledge of imperial and metric systems of measurement, as appropriate. Students will develop an awareness of environmental and societal issues related to construction technology, and will explore secondary and postsecondary pathways leading to careers in the industry. NOTE: Students will frame walls, learn Single Pole and 3-Way switches while expanding their knowledge in plumbing, trusses and tiling. Any student interested in joining the trades will gain a solid foundation in this course.

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TDJ2O: Technological Design, Grade 10, Open
This course provides students with opportunities to apply a design process to meet a variety of technological challenges. Students will research projects, create designs, build models and/or prototypes, and assess products and/or processes using appropriate tools, techniques, and strategies. Student projects may include designs for homes, vehicles, bridges, robotic arms, clothing, or other products. Students will develop an awareness of environmental and societal issues related to technological design, and will learn about secondary and postsecondary education and training leading to careers in the field. NOTE: Students will utilize the wood shop to design and build a variety of projects for various purposes and needs. They will have full access to the shop and will build-on their knowledge from Grade 9. Students interested in woodworking and design as a career or hobby should take this course.

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TFJ2O: Hospitality and Tourism, Grade 10, Open
This course provides students with opportunities to explore different areas of hospitality and tourism, as reflected in the various sectors of the tourism industry, with an emphasis on food service. Students will study culinary techniques of food handling and preparation, health and safety standards, the use of tools and equipment, the origins of foods, and event planning, and will learn about tourism attractions across Ontario. Students will develop an awareness of related environmental and societal issues, and will explore secondary and postsecondary pathways leading to careers in the tourism industry. **This course will have a culinary focus

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TGJ2O: Communications Technology, Grade 10, Open
This course introduces students to communications technology from a media perspective. Students will work in the areas of TV/video and movie production, radio and audio production, print and graphic communications, photography, and interactive new media and animation. Student projects may include computer-based activities such as creating videos, editing photos, working with audio, cartooning, developing animations, and designing web pages. Students will also develop an awareness of environmental and societal issues related to communications technology, and will explore secondary and post-secondary education and training pathways and career opportunities in the various communications technology fields.

**NOTE:** Students will learn about Adobe Photoshop, Premiere and After Effects to make creative and unique projects based on their interests. Photography, video editing and 2-D animation will be explored giving the student a chance to express themselves through storytelling mediums including Silent films, mini-documentaries and short movies.

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THJ2O: Green Industries, Grade 10, Open
This course introduces students to the various sectors of the green industries – agriculture, forestry, horticulture, floristry, and landscaping. Using materials, processes, and techniques commonly employed in these industries, students will participate in a number of hands-on projects that may include plant or animal propagation; production, maintenance, and harvesting activities; the development of floral or landscaping designs; and/or related construction activities. Students will also develop an awareness of environmental and societal issues related to green industry activities, learn about safe and healthy working practices, and explore secondary and postsecondary education and training pathways and career opportunities in the various industry sectors.

**NOTE:** At EDHS this course will specialize in Landscape design and Horticulture by building various styles of decks, fences, and walkways featuring geographically sensitive plants. The students will learn by a hands-on approach with lessons based on theories and best practice techniques. Students interested in creating outdoor oases and gaining knowledge for a career, or a lifelong love, in landscaping should take this course. The study of Forestry, Agriculture, and Floristry will be studied as well. Please see Mr. Lesage for any questions about this course.

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GRADE 11 COURSE DESCRIPTIONS

Grade 10 students choose Grade 11 courses based on their needs, interests, strengths, and past achievements. They may also choose grade 12 courses. However, it is important to look at the prerequisites for post-secondary programs to make sure that the grade 12 course chosen will lead to the desired destination.

COMPULSORY COURSES – GRADE 11

Each student must check her/his status sheet to identify senior compulsory requirements. Students are encouraged to investigate destination requirements. One compulsory grade 11 English credit, and one senior math credit are required for the OSSD.
ENG3E: English, Grade 11, Workplace Preparation
This course emphasizes the development of literacy, communication, and critical and creative thinking skills necessary for success in the workplace and in daily life. Students will study the content, form, and style of a variety of contemporary informational, graphic, and literary texts; and create oral, written, and media texts in a variety of forms for practical purposes. An important focus will be on using language clearly and accurately in a variety of formal and informal contexts. The course is intended to prepare students for the compulsory Grade 12 workplace preparation course.
Prerequisite: English, Grade 10, Applied or Locally Developed

NBE3C: 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 and media works, and will develop an appreciation of the wealth and complexity of Aboriginal writing. Students will also write reports, correspondence, and persuasive essays, and analyse 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.
Prerequisite: English, Grade 10, Applied or Academic
Note: Counts as grade 11 compulsory English

NBE3U: Contemporary Aboriginal Voices, Grade 11, University Preparation
This course emphasizes the development of literacy, critical thinking, and communication skills through the study of works in English by Aboriginal writers. Through the analysis of literary texts and media works, students will develop an appreciation of the wealth and complexity of Aboriginal writing. Students will also conduct research and analyse the information gathered; write persuasive and literary essays; and analyse the relationship between media forms and audiences. An important focus will be the further development of students’ understanding of English-language usage and conventions.
Prerequisite: English, Grade 10, Academic
Note: Counts as grade 11 compulsory English

MBF3C: Foundations for College Math, Grade 11, College Preparation
This course enables students to broaden their understanding of mathematics as a problem-solving tool in the real world. Students will extend their understanding of quadratic relations; investigate situations involving exponential growth; solve problems involving compound interest; solve financial problems connected with vehicle ownership; develop their ability to reason by collecting, analyzing, and evaluating data involving one variable; connect probability and statistics; and solve problems in geometry and trigonometry. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.
Prerequisite: Foundations of Mathematics, Grade 10, Applied.

MCF3M: 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 applications. Students will reason mathematically and communicate their thinking as they solve multi-step problems. NOTE: This course may be used as a prerequisite for MDM4U, MCT4C or MAP4C but not MHF4U or MCV4U.
Prerequisite: Principles of Mathematics, Grade 10, Academic, or Foundations of Mathematics, Grade 10, Applied.

MCR3U: Functions, Grade 11, University Preparation
This course introduces the mathematical concept of the function by extending students’ experiences with linear and quadratic relations. Students will investigate properties of discrete and continuous functions, including trigonometric and exponential functions; represent functions numerically, algebraically, and graphically; solve problems involving applications of functions; investigate inverse functions; and develop facility in determining equivalent algebraic expressions. Students will reason mathematically and communicate their thinking as they solve multi-step problems. NOTE: This course may be used as a prerequisite for MDM4U and MHF4U. Prerequisite: Principles of Mathematics, Grade 10, Academic

MEL3E: Mathematics for Work and Everyday Life, Grade 11, Workplace Preparation
This course enables students to broaden their understanding of mathematics as it is applied in the workplace and daily life. Students will solve problems associated with earning money, paying taxes, and making purchases; apply calculations of simple
and compound interest in saving, investing, and borrowing; and calculate the costs of transportation and travel in a variety of situations. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

**Prerequisite:** Principles of Mathematics, Grade 9, Academic, or Foundations of Mathematics, Grade 9 Applied, or a ministry-approved locally developed Grade 10 mathematics course.

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**ELECTIVE COURSES – GRADE 11**

Grade 11 students will select six elective courses.

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**ADA3M: Drama, 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 analyse the processes involved in producing dramatic works. Students will develop a variety of skills related to collaboration and the presentation of dramatic works.

**Prerequisite:** Drama, Grade 9

**AMC3O: Music For Creating, Grade 11, Open**
This course develops students’ musical literacy through performance and the preparation and presentation of music productions. Students will perform works at a level consistent with previous experience. Independently and collaboratively, students will use current technology and the creative and critical analysis processes to plan, produce, present, and market musical productions. Students will respond to, reflect on, and analyse music from various genres and periods, and they will develop skills transferable to other aspects of their lives and their careers. **NOTE:** This course focusses on creating, presenting, and promoting art work, including integrated productions with an emphasis on music recording and songwriting.

**Prerequisite:** Instrumental Music, Grade 9 or 10

**AMG3O: Music - Intermediate Guitar, Grade 11, Open**
As an extension of the beginning level guitar course students will perform appropriate works in contemporary popular styles as well as explore more complex chord structures in blues, jazz, and classical music. Students will also take advantage of appropriate technology for recording and producing. **NOTE:** Students must use an acoustic guitar.

**Prerequisite:** Beginner Guitar, Grade 10

**AMU3M: Music – Instrumental, Grade 11, Open**
This course develops students’ musical literacy through performance and the preparation and presentation of music productions. Students will perform works at a level consistent with previous experience. Independently and collaboratively, students will use current technology and the creative and critical analysis processes to plan, produce, present, and market musical productions. Students will respond to, reflect on, and analyse music from various genres and periods, and they will develop skills transferable to other aspects of their lives and their careers.

**Prerequisite:** Instrumental Music, Grade 9 or 10

**AMV3M: Music - Vocal, Grade 11, Open**
This is a senior vocal music course in which the student continues to develop skills in the areas of listening, performing and creating. Repertoire will be varied, and emphasis will be placed on performing in large and small ensembles. There will be a continuation of study of theory concepts and musical styles.

**Prerequisite:** Vocal Music, Grade 9 or 10

**AVI3M: Visual Arts, Grade 11, Open**
This course focuses on studio activities in one or more of the visual arts, such as drawing, painting, sculpture, photography, printmaking, collage, and/or multimedia art. Students will use the creative process to create art works that reflect a wide range of subjects and will evaluate works using the critical analysis process. Students will also explore works of art within a personal, contemporary, historical, and cultural context.

**Prerequisite:** Visual Arts, Grade 9 or 10
AWL3O: Visual Arts (Drawing), Grade 11, Open
This is a focused visual arts course in which the student continues to develop drawing skills using a range of mediums. Students will develop their drawing techniques on a wide range of subjects such as figures, portraiture, animals, and natural and man-made landscapes.
Prerequisite: Visual Arts, Grade 9 or 10

BUSINESS

BAF3M: 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.

BAI3E: Accounting Essentials, Grade 11, Workplace Preparation
This course introduces students to the accounting cycle of a service business. Students will use computer application software to record business transactions and to prepare financial statements. Students will also investigate banking and cash management, decision making, ethical behaviour, and career opportunities in the field of accounting.
Prerequisite: None.

CANADIAN AND WORLD STUDIES

CGG3O: 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

CHT3O: World History since 1900: Global and Regional Interactions, Grade 11, Open
This course focuses on major developments in world history from 1900 to the present. Students will explore the causes and consequences of global and regional conflicts, the impact of significant individuals and social movements, and the effects of social, economic, and political developments around the world. Students will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating interactions within and between nations and other historical developments and events, including those that continue to affect people in various parts of the world.
Prerequisite: Canadian History since World War I, Grade 10, Academic or Applied, or the locally developed compulsory course (LDCC) in Canadian history (Course offered in alternate years; Next 2019-20)

CHW3M: World History to the End of the Fifteenth Century, Grade 11, University/College Preparation
This course explores the history of various societies and civilizations around the world, from earliest times to around 1500 CE. Students will investigate a range of factors that contributed to the rise, success, and decline of various ancient and pre-modern societies throughout the world and will examine life in and the cultural and political legacy of these societies. Students will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating social, political, and economic structures and historical forces at work in various societies and in different historical eras. NOTE: Numerous class projects will highlight the semester, from
ancient art lessons to making weapons of antiquity including the famous Mesopotamian sling. Join this “hands-on” experience as ancient history comes alive.

**Prerequisite:** Canadian History since World War 1, Grade 10, Academic or Applied
(Course offered in alternate years; Next 2020-2021)

**CLU3E: Understanding Canadian Law in Everyday Life, Grade 11, Workplace Preparation**
This course enables students to develop a practical understanding of laws that affect the everyday lives of people in Canada, including their own lives. Students will gain an understanding of the need for laws, and of their rights, freedoms, and responsibilities under Canadian law. Topics include laws relating to marriage, the workplace, cyber bullying, and the processing of criminal offences. Students will apply the concepts of legal thinking and the legal inquiry process, and will begin to develop legal reasoning skills and an understanding of Canadian law. **NOTE:** Students will enjoy participating in a mock trial as a lawyer, witness, court official or perhaps even the accused. If you are planning a career in law or just want to know more about the rights and responsibilities of Canadians, this is the course for you.

**Prerequisite:** Canadian History since World War I, Grade 10, Academic, Applied or a Locally Developed Compulsory Course.

**CLU3M: Understanding Canadian Law, Grade 11, University/College Preparation**
This course explores Canadian law, with a focus on legal issues that are relevant to the lives of people in Canada. Students will gain an understanding of rights and freedoms in Canada, our legal system, and family, contract, employment, tort, and criminal law. Students will use case studies and apply the concepts of legal thinking and the legal inquiry process to develop legal reasoning skills and to formulate and communicate informed interpretations of legal issues, and they will develop the ability to advocate for new laws. **NOTE:** Students will enjoy participating in a mock trial as a lawyer, witness, court official or perhaps even the accused. If you are planning a career in law or just want to know more about the rights and responsibilities of Canadians, this is the course for you.

**Prerequisite:** Canadian History since World War I, Grade 10, Academic or Applied

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**COMPUTER STUDIES**

**ICS3C: Introduction to Computer Programming, Grade 11, College Preparation**
This course introduces students to computer programming concepts and practices. Students will write and test computer programs, using various problem-solving strategies. They will learn the fundamentals of program design and apply a software development life-cycle model to a software development project. Students will also learn about computer environments and systems, and explore environmental issues related to computers, safe computing practices, emerging technologies, and postsecondary opportunities in computer-related fields. **(Course offered in alternate years; Next 2020-2021)**

**ICS3U: Introduction to Computer Science, Grade 11, University Preparation**
This course introduces students to computer science. Students will design software independently and as part of a team, using industry-standard programming tools and applying the software development life-cycle model. They will also write and use subprograms within computer programs. Students will develop creative solutions for various types of problems as their understanding of the computing environment grows. They will also explore environmental and ergonomic issues, emerging research in computer science, and global career trends in computer-related fields. **Recommended:** ICS2O or MPM2D **(Course offered in alternate years; Next 2020-2021)**

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**CO-OPERATIVE EDUCATION**

**GWL3O2 Sem 1, half day co-op**  **GWL3O4 Sem 1, full day co-op**
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 or courses 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.

**FRENCH**

**FSF3U: Core French, Grade 11, University Preparation**

This course offers students extended opportunities to speak and interact in real-life situations in French with greater independence. Students will develop their listening, speaking, reading, and writing skills, as well as their creative and critical thinking skills, through responding to and exploring a variety of oral and written texts. They will also broaden their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning. **NOTE:** novel-based work, learning grammatical concepts with an arts-based focus, cross curricular study.

**Prerequisite:** Core French, Grade 10, Academic

**GUIDANCE AND CAREER EDUCATION**

**GPP3O: Leadership and Peer Support, Grade 11, Open**

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

**HEALTH AND PHYSICAL EDUCATION**

**PAF3OF (Female) PAF3OM (Male):**

**Healthy Living and Personal and Fitness Activities, Grade 11, 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 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. **NOTE:** This course will focus on activities to promote lifelong physical and mental wellness in a fitness center atmosphere. Students will learn to develop and revise personal fitness plans to suit their own needs, such as cross training for their chosen sport or desiring to improve their self-image and fitness levels, as well as assess and monitor their health related fitness during physical activity. The course involves various forms of physical training including cardiovascular and strength training programs. The development of these skills will start students on a path to achieving their personal wellness goals both now and in the future.

**PPL3OF (Female) PPL3OM (Male):**

**Healthy Active Living Education, Grade 11, 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 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. **NOTE:** This interactive and cooperative course provides students with an introduction to a variety of court, field and individual sports while also introducing the basic knowledge of personal fitness that can allow them to truly embrace
healthy living throughout their lives. They will further develop basic sport skills and learn important game strategies in team games such as basketball, volleyball, soccer, football and slow pitch while continuing to develop a knowledge of individual activities such as badminton, tennis and golf. Students will also have the opportunity to try out a variety of fitness programs ranging from strength to yoga or sport-specific training, and participate in community field trips such as rock climbing, skiing and golf.

INTERDISCIPLINARY STUDIES

BLOCK3: OELP Outdoor Environmental Leadership Program

Have an interest in the outdoors? Apply for the Outdoor Environmental Leadership Program! OELP is a three credit package for University and College bound students that will be delivered in the second semester of the year. It boasts leadership development, cross-cultural connections, outdoor education, local community involvement, and all of this with a hands-on environmental focus.

Credits delivered include:
- Grade 11 English (NBE3UD/NBE3CD) - Native Studies/Environment focus
- Grade 12 Geography (CGR4MD) - Environment and Resource Management
- Cooperative Education (1 credit)

The cooperative education component of the course includes working with local environmental organizations on environmental projects, supporting children’s programs both in the school and the community, and earning outdoor and environmental certifications on multi-day field trips.

CGR4MD: Environment and Resource Management, Grade 12, University/College Preparation

This course investigates the complexity and fragility of ecosystems and the pressures human activities place on them. Students will examine ecological processes, the principles of sustainability and strategies for resource management, with a focus on the challenges of environmental degradation and resource depletion. Students will use geotechnologies and skills of geographic inquiry to explain and evaluate various approaches to achieving a more sustainable relationship between people and their environment.

NBE3UD: English: Contemporary Aboriginal Voices, Grade 11, University Preparation

This course emphasizes the development of literacy, critical thinking, and communication skills through the study of works in English by Aboriginal writers. Through the analysis of literary texts and media works, students will develop an appreciation of the wealth and complexity of Aboriginal writing. Students will also conduct research and analyse the information gathered; write persuasive and literary essays; and analyse 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. Prerequisite: English, Grade 10, Academic

NBE3CD: 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 and media works, and will develop an appreciation of the wealth and complexity of Aboriginal writing. Students will also write reports, correspondence, and persuasive essays, and analyse 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. Prerequisite: English, Grade 10, Academic or Applied

COOPD (COOPERATIVE EDUCATION)

Cooperative Education is a method of program delivery whereby regular curriculum or Ministry approved locally developed courses are linked to workplace experience. It assists the student in making a successful transition to post-secondary work and education or training. Students will explore the realities and opportunities of modern workplaces, while refining their employability skills. There are both classroom and placement components.

IDC3O: Living Life Well - How To Be Well And Live Better
This course will help students combine the skills required for and knowledge of different subjects and disciplines to solve problems, make decisions, create personal meaning, and present findings beyond the scope of a single subject or discipline. Through individual and collaborative inquiry and research, students will analyze the connections among diverse subjects and disciplines; develop information literacy skills in analyzing, selecting, evaluating, and communicating information; and become aware of a variety of resources and viewpoints on contemporary issues. They will also examine their own learning styles, relate their inquiries and research to real-life situations, and investigate career opportunities in new disciplines. **NOTE:** This course is designed for students who are interested in all areas of personal wellness. We will look at how to build regular fitness into our everyday lives, good eating habits and how to create food that tastes good and is good for you, and the importance of sleep and managing stress. We will address issues like healthy relationships and having a positive relationship with yourself, and how to present your best self to the world. **Prerequisite:** None

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**SCIENCE**

**SBI3C: Biology, Grade 11, College Preparation**
This course focuses on the processes that occur in biological systems. Students will learn concepts and theories as they conduct investigations in the areas of cellular biology, microbiology, genetics, the anatomy of mammals, and the structure of plants and their role in the natural environment. Emphasis will be placed on the practical application of concepts, and on the skills needed for further study in various branches of the life sciences and related fields. **NOTE:** Students will learn microbiology, including bacteria and viruses, with a focus on disease. Students will also build on their understanding of the systems of the human body and will be introduced to some diseases of those systems. Students will also learn about inheritance with a focus on the importance of DNA and inheritance patterns. **Prerequisite:** Science, Grade 10, Academic or Applied

**SBI3U: Biology, Grade 11, University Preparation**
This course furthers students’ understanding of the processes that occur in biological systems. Students will study theory and conduct investigations in the areas of biodiversity; evolution; genetic processes; the structure and function of animals; and the anatomy, growth, and function of plants. The course focuses on the theoretical aspects of the topics under study, and helps students refine skills related to scientific investigation. **NOTE:** Students will learn about the vast diversity of living organisms, from the simple bacteria up to complex organisms. They will also learn the role that many of these organisms play in our health and diseases. Students will also build on their understanding of the systems of the human body and will be introduced to some diseases of those systems. Students will also learn about inheritance with a focus on inheritance patterns and predicting offspring based on these learned patterns. Students will also be introduced to the concept of evolution and how it links together many aspects of biology. **Prerequisite:** Science, Grade 10, Academic

**SCH3U: Chemistry, Grade 11, University Preparation**
This course enables students to deepen their understanding of chemistry through the study of the properties of chemical bonds; chemical reactions and quantitative relationships in those reactions; 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:** Science, Grade 10, Academic

**SPH3U: Physics, Grade 11, University Preparation**
This course develops students’ understanding of the basic concepts of physics. Students explore kinematics, with an emphasis on linear motion; different kinds of forces; energy transformations; the properties of mechanical waves and sound; and electricity and magnetism. They will enhance their scientific investigation skills as they test laws of physics. In addition, they will analyse the interrelationships between physics and technology, and consider the impact of technological applications of physics on society and the environment. **NOTE:** Students interested in grade 12 University Physics are advised to take it in 2019-2020, as the course only runs in alternating years. **Prerequisite:** Science, Grade 10, Academic **Recommended:** Math, Grade 10, Academic

**SVN3E: Environmental 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 human activities on the environment; human health and the environment; energy conservation; resource science and management; and safety and environmental responsibility in the workplace. Emphasis is placed on relevant, practical applications and current topics in environmental science, with attention to the refinement of students’ literacy and mathematical literacy skills as well as the development of their scientific and environmental literacy. **NOTE:** Students will build environmental stewardship by participating in many activities including tree planting, stream rehabilitation and wetland health measurement. Students will contribute to the ongoing assessment and rehabilitation of the Wye River and surrounding watershed. **Prerequisite:** Science, Gr. 9, Academic or Applied, or a Gr. 9 or 10 Locally Developed compulsory credit (LDCC) course in science. This course is project-based.

**SVN3M: Environmental Science, Grade 11, University/College Preparation**

This course provides students with the fundamental knowledge of and skills relating to environmental science that will help them succeed in life after secondary school. Students will explore a range of topics, including the role of science in addressing contemporary environmental challenges; the impact of the environment on human health; sustainable agriculture and forestry; the reduction and management of waste; and the conservation of energy. Students will increase their scientific and environmental literacy and examine the interrelationships between science, the environment, and society in a variety of areas. **NOTE:** Students will build environmental stewardship by participating in many activities including tree planting, stream rehabilitation and wetland health measurement. Students will contribute to the ongoing assessment and rehabilitation of the Wye River and surrounding watershed.

**Prerequisite:** Grade 10 Science, Applied or Academic

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**SOCIAL SCIENCE AND THE HUMANITIES**

**HHD3O: Dynamics of Human Relationships, Grade 11, Open**

This course focuses on helping students understand the individual and group factors that contribute to healthy relationships. Students will examine the connections between their own self-concept and their interpersonal relationships. They will learn and practice strategies for developing and maintaining healthy relationships with friends, family, and community members, as well as with partners in intimate relationships. Students will use research and inquiry skills to investigate topics related to healthy relationships. **Prerequisite:** None (Course offered in alternate years; Next 2019-20)

**HPC3O: 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. **NOTE:** Experiential Learning includes care of computerized baby simulators and may also include the planning and delivery of a pre-school event. **Prerequisite:** None.

(Course offered in alternate years; Next 2020-21)

**HSG3M: Gender Studies, Grade 11 University/College Preparation**

This course enables students to explore the social construction of gender. Students will learn about the dynamic nature of gender roles and norms; sexism and power relations; and the impact of representations of women and men in the media, popular culture, and the arts. Students will analyze a range of gender equity issues, including gender-based violence and workplace equity, in both Canadian and global contexts. Students will develop and apply research skills and will design and implement a social action initiative relating to gender equity. **Prerequisite:** None.

(Course offered in alternate years; Next: 2020-2021)

**HSP3C: 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 (Course offered in alternate years; Next: 2019-20)

**HSP3U: 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 research, and to become familiar with current thinking on a range of issues within the three disciplines.

**Prerequisite: Grade 10 academic credit in English or History course (Course offered in alternate years; Next: 2019-20)**

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**SPECIAL EDUCATION**

K Courses are Ministry of Education approved non-credit courses offered to students who are registered in high school and are unable to meet the requirements of credit courses. These non-credit courses are practical academics and are oriented towards “life skills”. K Courses are based upon alternative expectations that are not currently derived from the Ministry Policy Documents. These expectations are highly individualized and are listed on the Individual Education Plan (IEP). Assessment of these alternative expectations occurs through the IEP process. No marks or credits are granted for alternative expectations.

**KENLNK/KENNMNK: Language and Communication Development**

This course involves the development of skills needed for communication and general language use. Many of the program areas for language may link directly to the language strands outlined in the Ontario Curriculum. The IEP becomes the definition of the course and may include components from the following program areas: Listening and Comprehension, Non-Verbal Communication, Social Language, General Language Functions, Conversation Skills and/or Functional Language.

**KMMLNK/KMMMNK: Numeracy and Numbers**

This course involves the development of mathematic skills required for daily living. Many of the program areas may link directly with the math strands outlined in the Ontario Curriculum. The IEP becomes the definition of the course and may include components from the following program areas: Calendar Skills, Time, Numeracy, Measurement, Money and/or Personal Finances.

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**TECHNOLOGICAL EDUCATION**

**TCJ3C: Construction Engineering Technology, Grade 11, College Preparation**

This course focuses on the development of knowledge and skills related to residential construction. Students will gain hands-on experience using a variety of construction materials, processes, tools, and equipment; learn about building design and planning construction projects; create and interpret working drawings and sections; and learn how the Ontario Building Code and other regulations and standards apply to construction projects. Students will also develop an awareness of environmental and societal issues related to construction technology, and will explore career opportunities in the field.

**Prerequisite: None**

**TCJ3E: Construction Technology, Grade 11 Workplace Preparation**

This course enables students to develop technical knowledge and skills related to carpentry, masonry, electrical systems, heating and cooling, and plumbing for residential construction. Students will gain hands-on experience using a variety of materials, processes, tools, and equipment to design, lay out, and build projects. They will create and read technical drawings, learn construction terminology, interpret building codes and regulations, and apply mathematical skills as they develop construction projects. Students will also develop an awareness of environmental and societal issues related to construction technology, and will explore postsecondary and career opportunities in the field. **Prerequisite: None**

**TFJ3C: Hospitality and Tourism, Grade 11, College Preparation**

This course enables students to develop or expand knowledge and skills related to hospitality and tourism, as reflected in the various sectors of the tourism industry. Students will learn about preparing and presenting food, evaluating facilities, controlling inventory, and marketing and managing events and activities, and will investigate customer service principles and the cultural and economic forces that drive tourism trends. Students will develop an awareness of health and safety standards, environmental and societal issues, and career opportunities in the tourism industry.
TFJ3E: Hospitality and Tourism, Grade 11, Workplace Preparation
This course enables students to acquire knowledge and skills related to the food and beverage services sector of the tourism industry. Students will learn how to prepare, present, and serve food using a variety of tools and equipment, and will develop an understanding of the fundamentals of providing high-quality service to ensure customer satisfaction and the components of running a successful event or activity. Students will develop an awareness of health and safety practices, environmental and societal issues, and career opportunities in the food and beverage services sector. **This course will have a culinary focus**  
Prerequisite: None

TGj3M: Communications Technology, Grade 11, University/College Preparation
This course examines communications technology from a media perspective. Students will develop knowledge and skills as they design and produce media projects in the areas of live, recorded, and graphic communications. These areas may include TV, video, and movie production; radio and audio production; print and graphic communications; photography; digital imaging; broadcast journalism; and interactive new media. Students will also develop an awareness of related environmental and societal issues, and will explore college and university programs and career opportunities in the various communications technology fields. **NOTE:** Students will expand their knowledge about Adobe Photoshop, Premiere and After Effects to make creative and unique projects based on their interests. Photography, video editing and 2-D animation will be explored giving the student a chance to express themselves through storytelling mediums with students specializing in their interest area. **Prerequisite:** None

TGJ3O: Communications Technology: Broadcast and Print Production, Grade 11, Open
This course enables students to develop knowledge and skills in the areas of graphic communication, printing and publishing, audio and video production, and broadcast journalism. Students will work both independently and as part of a production team to design and produce media products in a project-driven environment. Practical projects may include the making of signs, yearbooks, video and/or audio productions, newscasts, and documentaries. Students will also develop an awareness of related environmental and societal issues, and will explore secondary and postsecondary education and training pathways and career opportunities in the various communications technology fields.  
**Prerequisite:** None

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**GRADE 12 COURSE DESCRIPTIONS**

Grade 11 students choose Grade 12 courses on the basis of their needs, interests, strengths, and past achievements. It is important to look at the prerequisites for post-secondary programs to make sure that the grade 12 courses chosen will lead to the desired destination.

**COMPULSORY COURSES – GRADE 12**

Each student must check her/his status sheet to ensure all graduation requirements will be met by the end of the year. Students are strongly encouraged to investigate destination requirements. One compulsory grade 12 English credit is required for the OSSD.

ENG4C: English, Grade 12, College Preparation
This course emphasizes consolidation of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyse a variety of informational and graphic texts, as well as literary texts 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:** English, Grade 11, College or University  
**Note:** Contemporary Aboriginal Voices NBE3C or NBe3U also accepted as prerequisite

ENG4E: English, Grade 12, Workplace Preparation
This course emphasizes consolidation of literacy, communication, and critical and thinking skills necessary for success in the workplace and in daily life. Students will analyse informational, graphic, and literary texts and create oral, written, and media
texts in a variety of forms for workplace-related and practical purposes. An important focus will be on using language accurately and organizing ideas and information coherently. The course is intended to prepare students for the workplace and active citizenship. **Prerequisite: English, Grade 11, Workplace Preparation**

**ENG4U: English, Grade 12, University Preparation**
This course emphasizes consolidation of literacy, communication, and critical and creative thinking skills necessary for success in the workplace and in daily life. Students will analyze a range of challenging texts from various time 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. **NOTE:** The literary essay will be a large focus of this course as will the development of a formal, personal voice in a variety of written forms. **Prerequisite: English, Grade 11, University Preparation**

**OLC4O: 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. Students who complete the course successfully will meet the provincial literacy requirement for graduation. Students will read a variety of informational, narrative, and graphic texts and will produce a variety of forms of writing, including summaries, information paragraphs, opinion pieces, and news reports. Students will also maintain and manage a literacy portfolio containing a record of their reading experiences and samples of their writing. **NOTE:** Eligibility requirement: Students who have been eligible to write the OSSLT at least twice and who have been unsuccessful at least once are eligible to take the course.

**ELECTIVE COURSES – GRADE 12**
Grade 12 students will select up to seven elective courses.

### ARTS

**AMU4M: Music -Instrumental, Grade 12, University/College Preparation**
This course enables students to enhance their musical literacy through the creation, appreciation, analysis, and performance of music. Students will perform traditional, commercial, and art music, and will respond with insight to live and recorded performances. Students will enhance their understanding of the function of music in society and the impact of music on themselves and various communities and cultures. Students will analyse how to apply skills developed in music to their lives and careers. **Prerequisite: Instrumental Music, Grade 11, University/College Preparation or Open**

**AMV4M: Music - Vocal, Grade 12, University/College Preparation**
This is a senior vocal music course in which the students concentrate on advanced large and small ensemble singing, theory, basic conducting technique, critical evaluation of music and musical performance. There will be a continued study of music history and musical styles. **Prerequisite: Vocal Music, Grade 11**

**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 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 material, 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**

**BUSINESS**

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**BAT4M: Financial Accounting Principles, Grade 12, University/College Preparation**
This course introduces students to advanced accounting principles that will prepare them for post-secondary studies in business. Students will learn about financial statements for various forms of business ownership and how those statements are interpreted in making business decisions. This course expands students’ knowledge of sources of financing, further develops accounting methods for assets, and introduces accounting for partnerships and corporations.

**Prerequisite: Financial Accounting Fundamentals BAF3M, Grade 11, University/College**

**BOH4M: 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 analyse the role of a leader in business, with a focus on decision making, management of group dynamics, workplace stress and conflict, motivation of employees, and planning. Effective business communication skills, ethics, and social responsibility are also emphasized.

**Prerequisite: None**

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**CANADIAN AND WORLD STUDIES**

The prerequisite for any Grade 12 course in Canadian and World Studies is any Grade 11 course in Canadian and World Studies, English, or Social Sciences and Humanities from the appropriate level, unless otherwise stated.

**CGW4C: World Issues: A Geographic Analysis, Grade 12, College Preparation**
This course explores many difficult challenges facing Canada and the world today – challenges such as unequal access to food, water, and energy; urbanization; globalization; and meeting the needs of a growing world population while ensuring the sustainability of the natural environment. Students will explore these and other world issues from environmental, social, economic, and political perspectives, while applying the concepts of geographic thinking, the geographic inquiry process, and spatial technologies to guide and support their investigations.

**Prerequisite: Issues in Canadian Geography, Grade 9, Academic or Applied**

**CGW4U: 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.

**CHY4C: World History since the Fifteenth Century, Grade 12, College Preparation**
This course explores key developments and events in world history since approximately 1450, with a focus on interactions within and between various regions. Students will examine social, economic, and political developments and how they have affected different peoples. Students will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, when investigating key turning points in world history and historical forces that have shaped our world. *(Course offered in alternate years; Next 2020-21)*

**CHY4U: World History since the Fifteenth Century, Grade 12, University Preparation**
This course traces major developments and events in world history since approximately 1450. Students will explore social, economic, and political changes, the historical roots of contemporary issues, and the role of conflict and cooperation in global interrelationships. They will extend their ability to apply the concepts of historical thinking and the historical inquiry process, including the interpretation and analysis of evidence, as they investigate key issues and assess societal progress or decline in world history. *(Course offered in alternate years; Next 2020-21)*

**CLN4U: Canadian and International Law, Grade 12, University Preparation**
This course explores a range of contemporary legal issues and how they are addressed in both Canadian and international law. Students will develop their understanding of the principles of Canadian and international law when exploring rights and
freedoms within the context of topics such as religion, security, cyberspace, immigration, crimes against humanity, and environmental protection. Students will apply the concepts of legal thinking and the legal inquiry process when investigation these issues in both Canadian and international contexts, and they will develop legal reasoning skills and an understanding of conflict resolution in the area of international law. **NOTE:** This course allows students to explore not only the law as it currently exists in Canada, but also allows them to go deeper in their understanding of the law by considering and debating the reasons why we have the laws that we do.

**COMPUTER STUDIES**

**ICS4U: 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 also analyse algorithms for effectiveness. They will investigate ethical issues in computing and further explore environmental issues, emerging technologies, areas of research in computer science, and careers in the field. **Prerequisite: Introduction to Computer Science, Grade 11, University Preparation**
(Course offered in alternate years; Next 2019-20)

**CO-OPERATIVE EDUCATION**

**GWL302 Sem 1, half day co-op**
**GWL304 Sem 1, full day co-op**
Cooperative Education is a method of program delivery whereby regular curriculum or Ministry approved locally developed courses are linked to workplace experience. It assists the student in making a successful transition to post-secondary work and education or training. Students will explore the realities and opportunities of modern workplaces, while refining their employability skills. There are both classroom and placement components. A student may take co-op more than once as long as each co-op experience is linked to a different course. Students should be 16 years old and have 16 credits. There is no limit to the number of times that you can take co-op and co-op can count up to a maximum of 2 additional compulsory credits. **Note: Grade 11 & 12 students may select any of the above codes.**

**ENGLISH**

**EWC4C: 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: English, Grade 11, College Preparation**
**Note: ENG3U and Contemporary Aboriginal Voices NBE3C or NBE3U also accepted as prerequisites**

**EWC4U: 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: English, Grade 11, University Preparation**
**Note: ENG3U and Contemporary Aboriginal Voices NBE3C or NBE3U also accepted as prerequisites**
FRENCH

FSF4U: Core French, Grade 12, University Preparation
This course provides extensive opportunities for students to speak and interact in French independently. Students will develop their listening, speaking, reading, and writing skills, apply language learning strategies in a wide variety of real-life situations, and develop their creative and critical thinking skills through responding to and interacting with a variety of oral and written texts. They will also enrich their understanding and appreciation of diverse French-speaking communities, and will develop skills necessary for lifelong language learning. **NOTE:** novel-based work, extended grammatical concepts through project-based learning  
**Prerequisite:** Core French, Grade 11, University Preparation

HEALTH AND PHYSICAL EDUCATION

PPL4OF (Female) PPL4OM (Male): Healthy Active Living Education, Grade 12, Open
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.  
**NOTE:** This interactive and cooperative course provides students with an introduction to a variety of court, field and individual sports while also introducing the basic knowledge of personal fitness that can allow them to truly embrace healthy living throughout their lives. They will further develop basic sport skills and learn important game strategies in team games such as basketball, volleyball, soccer, football and slow pitch while continuing to develop a knowledge of individual activities such as badminton, tennis and golf. Students will also have the opportunity to try out a variety of fitness programs ranging from strength to yoga or sport-specific training, and participate in community field trips such as rock climbing, skiing and golf.

PSK4U: 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 participation in physical activity. The course prepares students for university programs in physical education, kinesiology, recreation, and sports administration.  
**Prerequisite:** Any Grade 11 university or university/college preparation course in science or any Grade 11 or 12 Open course in Physical and Health Education. Recommended: Grade 11 Biology, SBI 3C or SB13U

INTERDISCIPLINARY STUDIES

IDC4U: Interdisciplinary Studies, Grade 12, University Preparation
This course will help students develop and consolidate the skills required for and knowledge of different subjects and disciplines to solve problems, make decisions, create personal meaning, and present findings beyond the scope of a single subject or discipline. Students will apply the principles and processes of inquiry and research to effectively use a range of print, electronic, and mass media resources; to analyze historical innovations and exemplary research; and to investigate real-life situations and career opportunities in interdisciplinary endeavours. They will also assess their own cognitive and affective strategies, apply general skills in both familiar and new contexts, create innovative products, and communicate new knowledge.  
**NOTE:** This credit is delivered as a peer tutoring course. Students are expected to take on a leadership placement in their school for 40-50 hours during the semester. They will have a supervising teacher who will help to provide evaluations of student progress, in addition to the IDC4U teacher. Students may be placed in an intermediate classroom, may run special events or activities for students, or may provide academic tutoring. There will also be a significant academic component to this course, in addition to the placement.  
**Prerequisite:** Grade 11 University English (NBE3U or ENG3U)
MAP4C: 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; solve financial problems connected with annuities, budgets, and renting or owning accommodation; simplify expressions; and solve equations. Students will reason mathematically and communicate their thinking as they solve multi-step problems. This course prepares students for college programs in areas such as business, health sciences, and human services, and for certain skilled trades.
**Prerequisite:** Foundations for College Mathematics, Grade 11, College Preparation or Functions and Applications, Grade 11, University/College Preparation

MCT4C: 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:** Functions and Applications, Grade 11, University/College Preparation, or Functions, Grade 11, University Preparation

MCV4U: 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, sinusoidal, exponential, rational, and radical 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 choose to pursue careers in fields such as science, engineering, economics, and some areas of business, including those students who will be required to take a university-level calculus, linear algebra, or physics course.
**Prerequisite:** The Advanced Functions course (MHF4U) must be taken prior to Calculus and Vectors (MCV4U).

MDM4U: 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 and analysing large amounts of information; solve problems involving probability and statistics; and carry out a culminating investigation that integrates statistical concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. Students planning to enter university programs in business, the social sciences and the humanities will find this course of particular interest.
**Prerequisite:** Functions, Grade 11, University Preparation, or Functions and Applications, Grade 11, University/College Preparation.

MEL4E: 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, create household budgets and prepare a personal income tax return; use proportional reasoning; estimate and measure; and apply geometric concepts to create designs. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.
**Prerequisite:** Mathematics for Work and Everyday Life, Grade 11, Workplace Preparation

MHF4U: Advanced Functions, Grade 12, University Preparation
This course extends students’ experiences with functions. Students will investigate the properties of polynomial, rational, logarithmic, and trigonometric functions; develop techniques for combining functions; broaden their understanding of rates of change; and develop facility in applying these concepts and skills. Students will also refine their use of the mathematical processes necessary for success in senior mathematics. This course is intended both for students taking the Calculus and Vectors course as a prerequisite for a university program and for those wishing to consolidate their understanding of
mathematics before proceeding to any one of a variety of university programs. **Prerequisite: Functions, Grade 11, University Preparation, or Mathematics for College Technology, Grade 12, College Preparation**

**NDW4M: 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. **(Course offered in alternate years; Next: 2019/2020)**
**Prerequisite: Any Grade 11 university, university/college, or college preparation course in Native Studies**

**SBI4U: Biology, Grade 12, University Preparation**
This course provides students with the opportunity for in-depth study of the concepts and processes that occur in biological systems. Students will study theory and conduct investigations in the areas of biochemistry, metabolic processes, molecular genetics, homeostasis, and population dynamics. Emphasis will be placed on the achievement of detailed knowledge and the refinement of skills needed for further study in various branches of the life sciences and related fields. **NOTE:** Students will dive into biology using their new abilities acquired from chemistry to achieve a more thorough understanding of biological concepts already introduced in earlier courses. Students will learn the complex processes that drive cells and organisms in biology. This course will help students have a deeper understanding of normal cell functioning and genetics. **Prerequisite: Biology, Grade 11, University Preparation**

**SCH4C: Chemistry, Grade 12, College Preparation**
This course enables students to develop an understanding of chemistry through the study of matter and qualitative analysis, organic chemistry, electrochemistry, chemical calculations, and chemistry as it relates to the quality of the environment. Students will use a variety of laboratory techniques, develop skills in data collection and scientific analysis, and communicate scientific information using appropriate terminology. Emphasis will be placed on the role of chemistry in daily life and the effects of technological applications and processes on society and the environment. **Prerequisite: Science, Grade 10, Academic or Applied**

**SCH4U: Chemistry, Grade 12, University Preparation**
This course enables students to deepen their understanding of chemistry through the study of organic chemistry, the structure and properties of matter, energy changes and rates of reaction, equilibrium in chemical systems, and electrochemistry. Students will further develop their problem-solving and investigation skills as they investigate chemical processes, and will refine their ability to communicate scientific information. Emphasis will be placed on the importance of chemistry in everyday life and on evaluating the impact of chemical technology on the environment. **Prerequisite: Chemistry, Grade 11, University Preparation**

**SPH4C: Physics, Grade 12, College Preparation**
This course develops students’ understanding of the basic concepts of physics. Students will explore these concepts with respect to motion; mechanical, electrical, electromagnetic, energy transformation, hydraulic, and pneumatic systems; and the operation of commonly used tools and machines. They will develop their scientific investigation skills as they test laws of physics and solve both assigned problems and those emerging from their investigations. Students will also consider the impact of technological applications of physics on society and the environment. **Prerequisite: Science, Grade 10, Academic or Applied. This course is offered every second year. (2018-2019)**

**SPH4U: Physics, Grade 12, University Preparation**
This course enables students to deepen their understanding of the concepts and theories of physics. Students will continue their exploration of energy transformations and the forces that affect motion, and will investigate electrical, gravitational, and magnetic fields and electromagnetic radiation. Students will also explore the wave nature of light, quantum mechanics, and special relativity. They will further develop their scientific investigation skills, learning, for example, how to analyse, qualitatively and quantitatively, data relating to a variety of physics concepts and principles. Students will also consider the impact of technological applications of physics on society and the environment.

**Prerequisite: Physics, Grade 11, University Preparation. This course is offered every second year.**

*(Course offered in alternate years; Next: 2019/2020)*

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**SOCIAL SCIENCE AND THE HUMANITIES**

The prerequisite for any grade 12 course in the Social Sciences and Humanities is any university, college, or university/college preparation course in social sciences and humanities, English, or Canadian and world studies, unless otherwise stated.

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**HSB4U: Challenge and Change in Society, Grade 12, University Preparation**

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

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**HHS4U: Families in Canada, Grade 12, University Preparation**

This course enables students to draw on sociological, psychological, and anthropological theories and research to analyse the development of individuals, intimate relationships, and family and parent-child relationships. Students will focus on issues and challenges facing individuals and families in Canada’s diverse society. They will develop analytical tools that enable them to assess various factors affecting families and to consider policies and practices intended to support families in Canada. They will develop the investigative skills required to conduct and communicate the results of research on individuals, intimate relationships, and parent-child relationships.

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**HHS4C: Families in Canada, Grade 12, College Preparation**

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

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**HIP4O: Personal Life Management, 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. *(Course offered in alternate years; Next: 2020/2021)*

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**TECHNOLOGICAL EDUCATION**

**TCJ4C: Construction Engineering Technology, Grade 12, College Preparation**
This course enables students to further develop knowledge and skills related to residential construction and to explore light commercial construction. Students will gain hands-on experience using a variety of materials, processes, tools, and equipment, and will learn more about building design and project planning. They will continue to create and interpret construction drawings and will extend their knowledge of construction terminology and of relevant building codes and regulations, as well as health and safety standards and practices. Students will also focus on environmental and societal issues related to construction engineering technology, and will explore career opportunities in the field.

**Prerequisite:** Construction Engineering Technology, Grade 11, College Preparation

**TCJ4E: Construction Technology, Grade 12, Workplace Preparation**
This course enables students to further develop technical knowledge and skills related to residential construction and to explore light commercial construction. Students will continue to gain hands-on experience using a variety of materials, processes, tools, and equipment; create and interpret construction drawings; and learn more about building design and project planning. They will expand their knowledge of terminology, codes and regulations, and health and safety standards related to residential and light commercial construction. Students will also expand their awareness of environmental and societal issues related to construction technology, and will explore entrepreneurship and career opportunities in the industry that may be pursued directly after graduation.

**Prerequisite:** Construction Technology, Grade 11, Workplace Preparation

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