

ELMVALE DISTRICT HIGH SCHOOL

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COURSE CALENDAR 2022 - 2023

Table of Contents

| | |
|--------------------------------------------------------------------|-----------|
| SCHOOL GOALS AND PHILOSOPHY | 3 |
| REQUIREMENTS FOR THE ONTARIO SECONDARY SCHOOL DIPLOMA | 4 |
| STUDENT SERVICES | 5 |
| SPECIAL EDUCATION | 7 |
| ASSESSMENT AND EVALUATION | 8 |
| MY BLUEPRINT | 8 |
| SPECIALIST HIGH SKILLS MAJOR | 10 |
| GRADE 9 COURSE DESCRIPTIONS | 12 |
| GRADE 10 COURSE DESCRIPTIONS | 16 |
| GRADE 11 COURSE DESCRIPTIONS | 22 |
| GRADE 12 COURSE DESCRIPTIONS | 33 |
| CURRENT EXTRA-CURRICULAR ACTIVITIES..... | 43 |
| COURSE CODES OFFERED 2022-2023 | 44 |
| MY EDUCATION PLAN AT ELMVALE DISTRICT HIGH SCHOOL..... | 45 |

School Goals and Philosophy

We believe in the importance and value of completing a secondary education. We are committed to reaching every student to help them achieve a successful outcome from their secondary school experience. To ensure high quality learning and a program customized to their skills and interests within a caring and supportive environment, students have access to the supports listed throughout this course calendar.

Elmvale District High School students have traditionally pursued and achieved excellence in academics, athletics and the arts. As a result, Elmvale District High School is a great place in which to be a learner. We have a dedicated staff who are always ready to assist beyond the confines of the classroom in providing extra help for students and co-instructional activities. Our long-standing HOUSE system has earned the respect and admiration of students, staff, and administration across the board. We highly value the sense of belonging and school spirit that is fostered through our house system and use it as a way to enhance the lives of our students and the community at large.

Our focus on mental and physical well-being is supported through SPARK, a daily burst of physical activity provided with the goal of promoting increased mental awareness, and student engagement.

Elmvale District High School fully supports character education as a deliberate effort to nurture universal attributes that transcend racial, religious, socioeconomic and cultural lines. It is a whole school effort to create a community that promotes the highest standards of good character and citizenship. The attributes are promoted, modeled, taught, expected, celebrated and consciously practiced in everyday actions. Character education facilitates the development of a positive school culture in an explicit and intentional manner. At EDHS, you can expect to be treated without discrimination and, in particular, without discrimination based on race, national or ethnic origin, colour, religion, wealth, gender, sexual orientation, age, mental or physical ability.

By working cooperatively to be the best that we can be on a daily basis, we will enrich our school, our community, and ourselves. Take advantage of what Elmvale District High School has to offer you.

School Organization

EDHS is a two-semester school (2 terms/semester) with three reporting periods per semester. Reporting requirements include a semester progress report (October & March), a mid-semester report card (November & April), and an end-of-semester report card (February and July). We support continued communication and progress reports may be requested at any time. Current school year reporting dates are provided on the SCDSB website under "Programs".

Our daily timetable is organized into four class periods, with one common lunch and a school wide SPARK break between periods three and four (See School Goals & Philosophy). Periods three and four alternate bi-weekly.

Roles and Responsibilities

Student Responsibilities, Achievement and Attendance

Regular attendance at school is critical for a student's learning and achievement of course expectations. Students are expected to attend all classes unless there is a legitimate reason for their absence. Students who miss a class are expected to complete the work assigned during the period. Further information about the school's attendance procedures can be found in the Student Handbook, or by contacting the school directly.

Code of Conduct

The SCDSB recognizes that all members of the school community have the right to be safe and to feel safe in their school community. With this right comes the responsibility to contribute to a positive school climate.

The SCDSB's Code of Conduct supports and enhances the Ontario Code of Conduct by setting clear standards of behaviour. These norms apply not only to students, but to all individuals involved in our school system. It is recognized that discipline works best when viewed as a positive learning process and when integrated with effective teaching practices. For more information go to "Parents" on the SCDSB website and select "Safe & Healthy Schools".

The School's Code of Student Behaviour is outlined in the Student Handbook. Each student will be given a copy of the handbook at the beginning of the school year or when he/she registers. We strongly encourage parents to review the expectations in the Code of Student Behaviour with their children.

Learning to 18

The Ontario Ministry of Education's Student Success/Learning to 18 strategy requires students to remain in school until the student has reached the age of 18 or obtained an Ontario Secondary School Diploma (OSSD)

Requirements for the Ontario Secondary School Diploma

In order to earn an OSSD a student must:

- **earn 30 credits (18 compulsory and 12 optional credits)**
- **complete 40 hours of community service**
- **successfully complete the literacy graduation requirement**

Compulsory Credits

Students must earn the following 18 compulsory credits in order to obtain the Ontario Secondary School Diploma:

- 4 credits in English (1 credit per grade)
- 1 credit in French as a second language
- 3 credits in mathematics (at least 1 credit in Grade 11 or 12)
- 2 credits in science
- 1 credit in Canadian history
- 1 credit in Canadian geography
- 1 credit in the arts
- 1 credit in health and physical education
- .5 credit in civics
- .5 credit in career studies

The compulsory “Group” credits may be achieved from Grades 9-12.

A **Group 1** credit is an additional credit in English, or French as a Second Language, or Social Science and the Humanities, or Canadian and World Studies, or Guidance, or Co-op

A **Group 2** credit is an additional credit in Health & Physical Education, or the Arts, or French as a second language, or Business (Gr. 9-12), or Co-op

A **Group 3** credit is an additional credit in Science or Computer Studies (Gr. 10 - 12) or Technical Education (Gr. 9-12), or French as a second language or Co-op

· A maximum of 2 of the 3 “Group” requirements may be met with Co-op credits

· A maximum of 2 of the 3 additional “Group” requirements may be met with French as a second language, one of which may be earned for group 1 and the second for either group 2 or 3.

Ministry Approved Credits for Programs Taken Outside of the School

Specified music certificates may be accepted for credits. Please contact your Student Services department for more information.

Substitutions for Compulsory Credits

Substitutions may be made for a limited number of compulsory credits, selecting from the remaining courses including courses in Guidance that meet the compulsory credit requirements that are offered by the school. A maximum of one credit earned for a Learning Strategies course may be used through substitution to meet a compulsory credit requirement. Credits earned for Co-op courses may not be used through substitution to meet compulsory credit requirements. To meet individual students’ needs, principals may replace **up to three compulsory courses** (or the equivalent in half courses). Each substitution will be noted on the student’s Ontario Student Transcript.

The Ontario Secondary School Certificate (OSSC) & Certificate of Accomplishment

Ontario Secondary School Certificate

The Ontario Secondary School Certificate (OSSC) will be granted, on request, to students who are leaving secondary school upon reaching the age of eighteen without having met the requirements for the Ontario Secondary School Diploma. To be granted an OSSC, a student must have earned a minimum of 14 credits, distributed as follows.

Compulsory credit (total 7)

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

Optional credits (total of 7)

7 credits selected by the student from available courses
The provisions for making substitutions for compulsory credits described in section 6.2 also apply to the Ontario Secondary School Certificate.

Certificate of Accomplishment

To meet individual students’ needs, principals may replace up to three compulsory courses (or the equivalent in half courses) with courses from the remainder of those that meet the compulsory credit requirements. Each substitution will be noted on the student’s Ontario Student Transcript. If a parent or an adult student (a student who is eighteen years of age or older) requests a substitution the principal will determine whether the substitution should be made. Contact your school’s guidance department or special education department to learn more about requesting a substitution as there are limitations as set out by the Ontario Schools Kindergarten to Grade 12 policy document.

Student Services

The Guidance/Student Services Department in each high school provides the following services:

- counselling students in planning for graduation and beyond;
- assisting students with course selections for day school, summer school, and night school;
- supporting new students, English Language Learners, exchange students;
- processing timetable changes;
- instruction in on-line application to post-secondary institutions;
- managing student transcript requests;
- maintaining Ontario Student Records (OSRs);
- counselling – social/emotional;
- liaison with post-secondary institutions;
- community agency referrals;
- preparing the course calendar;
- maintaining post-secondary school information and career files;
- providing information about alternative learning opportunities locally and online through e-learning;
- conducting guidance sessions with all students, individually or through groups, to discuss education and career planning.

Full Disclosure for Grade 11 and 12 Courses

The Ministry of Education has a policy of full disclosure. This policy states that all Grade 11 and 12 courses attempted by students must be re-corded on Ontario Student Transcripts. Full disclosure does not apply to students in Grades 9 or 10 or for ESL/ESD courses. Any Grade 11 or Grade 12 course completed, dropped or failed will appear on a student transcript along with the marks earned in the program. If a student repeats a course previously attempted successfully, both courses will appear on the transcript. Credits are earned only on the first successful attempt. Full disclosure will take effect five instructional days following the distribution of the November and April mid-semester report cards.

Timetable Changes

Timetable changes are made on an individual basis with Student Services, and may involve consultation with parents, Special Education, department chairs, subject teachers, administration, and/or Student Success. Students are strongly encouraged to consider their course choices carefully, and request timetable changes as early as possible in each new semester. Spares may be granted to students who have achieved 24 or more credits.

Types of Courses

Five types of courses are offered in Grades 9 and 10:

Applied courses lead to college and workplace courses.

Academic courses lead to university/college and university courses in senior grades.

Locally Developed courses may be offered for students who are working below grade level. These courses are intended to enable students to gain the necessary skills required to be successful in applied and workplace level courses. Locally developed courses are courses that meet educational needs not met by provincial curriculum policy documents. Students who need additional support in academic core subjects (English, Mathematics, Science and History) may count up to 7 Locally Developed courses as compulsory courses in grades 9 and 10.

Open courses are designed to prepare students for further study in certain subjects and to enrich their education generally.

Destreamed for grade 9 math only. Replaces former academic and applied levels.

In Grades 11 and 12, courses are offered to prepare students for their post-secondary destinations:

College preparation courses prepare students for college programs and related careers. Many apprenticeships prefer college level courses as a minimum.

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

University/College preparation courses are designed to equip students for entrance to university and college programs.

Workplace preparation courses prepare students for direct entry into the workplace or admission to some apprenticeship programs and other training programs.

Open courses are appropriate for all students and are not linked to any specific post-secondary destination.

Students are encouraged to review the pathway charts within their school program calendar or the pathways course selection tool, in consultation with their guidance/student services counsellor, if they want to change pathways within any particular area of study.

Ontario Youth Apprenticeship Program (OYAP)

The Ontario Youth Apprenticeship Program (OYAP) provides students with an opportunity to gain apprenticeship training while completing the credits required for their high school diploma. OYAP students will spend a portion of their senior years in the workplace, through cooperative education, learning the skills of a particular trade, and may become registered as apprentices to their employers. Students begin accumulating hours required for their apprenticeships and will also be put on the waiting list for trade school once they are registered into the program. There are over 150 trades involved in apprenticeships in Ontario.

OYAP is available to full-time students who have a minimum of 16 credits and are at least 16 years of age. Specific programs may have additional academic requirements. For more information, please go to the OYAP website for SCDSB or contact Mr. Neily in the co-op department.

Trades That Require High Levels of Academic Performance

** grade 12 math is strongly recommended (MCT4C or MAP4C)

** other recommended courses: senior chemistry, senior physics, related tech course if available, co-op (OYAP)

| | |
|-------------------------------|----------------------------------|
| General Machinist | Alignment and Brake Technician |
| Mould Maker | Transmission Technician |
| Tool and Die Maker | Truck Trailer Service Technician |
| Pattern Maker | Boilermaker |
| Industrial Electrician | Construction Millwright |
| Industrial Mechanic | Construction Electrician |
| Millwright | Refrigeration Air Conditioning |
| Automotive Service Technician | Mechanic |
| Farm Equipment Technician | Steamfitter |
| Truck and Coach Technician | General Carpenter |
| Heavy Duty Equipment Mechanic | Electronic Service Technician |
| Fuel and Electrical Services | |

Trades Where Applied and College Courses Are Suggested

** grade 12 math is highly recommended (MAP4C)

** other recommended courses: senior chemistry, senior physics, related tech course if available, co-op (OYAP)

| | |
|----------------------------|-------------------------------------------------|
| Cabinetmaker | Sheet Metal Worker |
| Motorcycle Mechanic | Sprinkler & Fire Protection Installer |
| Heavy Equipment Operator | Mobile Crane Operator |
| Glazier and Metal Mechanic | Tower Crane Operator |
| Ironworker | Horticulturalist (replace Physics with Biology) |
| Plumber | Arborist (replace Physics with Biology) |

Trades Where Workplace Courses are Suitable/Suggested

** grade 12 math is highly recommended (MEL4E or MAP4C)

** other recommended courses: senior workplace science, related tech course if available, co-op (OYAP)

| | |
|----------------------------------------|---------------------------------|
| Auto Body Repairer | Drywall Finisher and Plasterer |
| Automotive Painter | Floor Covering Installer |
| Marine Engine Mechanic | Roofer |
| Motive Power Machinist | Terazzo, Tile and Marble Setter |
| Small Engine Technician | Appliance Service Technician |
| Brick and Stone Mason | Assistant Cook |
| Cement Mason | Baker |
| Cement Finisher | Cook |
| Painter and Decorator | Hairstylist |
| Drywall, Acoustic & Lathing Applicator | Patissier |

eLearning

The SCDSB supports the use of eLearning for students who, for a variety of reasons, are unable to take some/all of their classes in the regular classroom. Online eLearning courses meet the Ministry of Education standards, are taught by certified Ontario teachers and count as credits towards the OSSD. There are many courses available across all grade levels to support student success and learning. Students wishing to take eLearning courses are expected to register at their home school and, working in combination with the school's Guidance department, students will receive information about course availability and online learning requirements. Further information is available through school Guidance departments, the SCDSB website, or at eLearning Ontario.

Ministry Approved Credits for Programs Taken Outside of the School

Specified music certificates may be accepted for credits. A maximum of one Grade 11 university/college preparation and one Grade 12 university/college preparation music credit may be awarded towards the OSSD with the successful completion of specific programs. Please contact your Student Services/Guidance Department for more information.

Dual Credits

Dual credits give selected senior students the opportunity to sample post-secondary education, work in college labs, experience the college environment and build self-confidence. Students take a college level credit delivered by college faculty. If successful, they are granted both a college credit and a secondary school credit. Students may earn up to four dual credits to count towards optional credits for their OSSD. School-Within-A-College (SWAC) programs are now fully implemented on the South Georgian Bay and Barrie campuses of Georgian College. For more information, contact your school's Guidance or Student Success Department or go to the SCDSBs website under "Students".

Specialist High Skills Major (SHSM)

A SHSM is a specialized program approved by the Ministry of Education that provides students with courses and activities that focus on a specific work-related sector. A SHSM enables students to customize their high school experience to suit their interests and talents and prepare for a successful post-secondary transition to apprenticeship training, college, university, or employment, while meeting the requirements of the OSSD. The major enables students to gain the sector-identified preparatory credits, skills and knowledge, and make informed career decisions. This makes the learning environment more engaging for students, focuses them on graduation and prepares them to pursue their career goals. Information about SHSM opportunities at SCDSB secondary schools can be found at mySHSM.ca.

ELD - English Literacy Development

English Literacy Development (ELD) programs are intended for students whose first language is a language other than English or is a variety of English significantly different from that used for instruction in Ontario schools. Students in these programs are most often from countries in which their access to education has been limited, so that they have had limited opportunities to develop language and literacy skills in any language. Schooling in their countries of origin has been inconsistent, disrupted, or even completely unavailable throughout the years that these children would otherwise have been in school. As a result, they arrive in Ontario secondary schools with significant gaps in their education. *Students who have significant gaps in their schooling have more to catch up on and will need more support over a longer period of time.

Special Education

Special Provisions Available to Exceptional Students

The following resources are available to meet the needs of exceptional students in all Simcoe County District School Board schools—Special Education Resource Teachers (SERT), guidance services, special education resource rooms and materials, and in-school Special Needs Committee (SNC)/ Student Success discussions.

In addition, some secondary schools have Life Skills Programs or Gifted Congreganted Clustered Programs for those students who require life skills support or gifted support beyond what is provided in every classroom. Information about accessing these specialized placements is available from the SERT.

Resource and Withdrawal Support

This support is available to students who have been identified as requiring special education support through the Identification, Placement and Review Committee (IPRC) process or through the in-school SNC process. Some students will have a support period scheduled as one of their periods in the timetable. Other students may access support during their regularly scheduled classes. All support is provided in a small group or on a one-to-one

basis. Resources available:

- assistive technology including text-to-speech, speech-to-text and organizational tools;
- software for skill development;
- print materials for skill development;
- text and concrete materials for re-teaching and practicing concepts;
- staff assistance with academic courses and life skills development (time management, organization, etc.)

Non-Credit Courses

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 literacy, numeracy and “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.

Assessment and Evaluation

The primary purpose of assessment and evaluation is to improve student learning. Evaluation focuses on students’ achievements of the overall expectations, and may take the form of rich performance tasks, demonstrations, projects, tests, and/or essays. For grades 9-12, a final percentage mark is recorded for every course. Seventy percent of the grade will be based on evaluation conducted throughout the course, while thirty percent will be based on a final evaluation administered at or towards the end of the course.

Student Achievement Levels

The Ministry of Education's document *Growing Success: Assessment, Evaluation, and Reporting in Ontario Schools* outlines policies for measuring and communicating achievement. Levels of achievement are defined as follows:



| Percentage Mark | Achievement of the Provincial Curriculum Expectations |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 80—100% | The student has demonstrated the required knowledge and skills with a high degree of effectiveness. Achievement surpasses the provincial standard. (Level 4) |
| 70—79% | The student has demonstrated the required knowledge and skills with considerable effectiveness. Achievement meets the provincial standard. (Level 3) |
| 60—69% | The student has demonstrated the required knowledge and skills with some effectiveness. Achievement approaches the provincial standard. (Level 2) |
| 50—59% | The student has demonstrated the required knowledge and skills with limited effectiveness. Achievement falls much below the provincial standard. (Level 1) |
| Below 50 | The student has not demonstrated the required knowledge and skills. Extensive remediation is required. |

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

Learning Skills and Work Habits

| Responsibility | Organization |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> • Fulfills responsibilities and commitments within the learning environment. • Completes and submits class work, homework, and assignments according to agreed-upon timelines. • Takes responsibility for and manages own behavior. | <ul style="list-style-type: none"> • Devises and follows a plan and process for completing work and tasks. • Establishes priorities and manages time to complete tasks and achieve goals. • Identifies, gathers, evaluates, and uses information, technology, and resources To complete tasks. |
| Independent Work | Collaboration |

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> Independently monitors, assesses, and revises plans to complete tasks and meet goals. Uses class time appropriately to complete tasks. Follows instructions with minimal supervision. | <ul style="list-style-type: none"> Accepts various roles and an equitable share of work in a group. Responds positively to the ideas, opinions, values, and traditions of others. Builds healthy peer-to-peer relationships through personal and media-assisted interactions. Works with others to resolve conflicts and build consensus to achieve group goals. Shares information, resources, and expertise, and promotes critical thinking to solve problems and make decisions. |
| Initiative | Self-Regulation |
| <ul style="list-style-type: none"> Looks for and acts on new ideas and opportunities for learning. Demonstrates curiosity and interest in learning. Approaches new tasks with a positive attitude. Recognized and advocated appropriately for the rights of self and others. | <ul style="list-style-type: none"> Sets own individual goals and monitors progress towards achieving them. Seeks clarification or assistance when needed. Assesses and reflects critically on own strengths, needs, and interests. Identifies learning opportunities, choices, and strategies to meet personal needs and achieve goals. Perseveres and makes an effort when responding to challenges. |



WHAT IS WWW.MYBLUEPRINT.CA/SIMCOE?

An interactive resource to help you plan your courses, track your progress towards graduation and instantly discover the opportunities available to you.

The screenshot shows a 'New User' registration box with a dropdown menu to 'Select Your School', a text input field, and a 'CREATE ACCOUNT' button.

TO GET STARTED VISIT WWW.MYBLUEPRINT.CA/SIMCOE

- SELECT A HIGH SCHOOL FROM THE NEW USER BOX
- ENTER YOUR SCHOOL EMAIL ACCOUNT

1. GOAL SETTING



Set interactive S.M.A.R.T. goals and action plans to help you stay on track throughout high school and beyond.

2. HIGH SCHOOL PLANNER



Build an interactive 4 or 5-year plan and identify the opportunities you are eligible for after high school.

3. POST-SECONDARY PLANNER



Compare Apprenticeships, College Programs, University Programs and Workplace Sectors available to you across Canada.

Specialist High Skills Major – Environmental

Would you like to glide quietly through a wetland in a canoe observing Bald Eagles, rare cranes or turtles? Would you like to help the environment by planting trees to help preserve endangered species? Would you like to learn valuable skills and certifications that may enhance future employment? Get outside and learn!! Couple your classroom learning with outdoor experiences designed to provide you with opportunities to apply your knowledge in real environmental stewardship activities. Learning experiences may include, but are not limited to, the following: canoeing through environmentally significant wetlands, bee keeping, streambank rehabilitation, navigation, back country tripping, forestry management initiatives, water quality testing, working in Provincial Parks, as well as, wildflower and tree planting for environmental improvement.

Curriculum expectations will be linked to some of the activities listed above and students will be given the opportunity to visit one or more colleges and universities, achieving certifications in first aid and CPR, GPS, canoe paddling, habitat rehabilitation, species identification and more.

Students within the SHSM program have the opportunity to apply to take a 3-credit integrated program - the Outdoor Environmental Leadership Program (OELP) - in the second semester of grade 11. This program boasts leadership development, cross-cultural connections, outdoor education, and local community involvement; all with a hands-on environmental focus. Major components of the program include a variety of single- and multi-day outdoor field trips, as well as numerous industry-recognized certifications which are offered throughout the semester. Credits included: grade 11 English, grade 12 Environment and Resource Management and an environmentally-focused co-op credit.

Why Environmental?

- The Canadian environment sector represents about 3.2% of employment in Canada, making it larger than the nation's aerospace or pharmaceutical industries (Environmental Careers Organization Canada, 2010)
- According to industry experts, existing labour shortages in the environmental sector are expected to increase as regulations to meet Canada's goals regarding climate change come into effect (Ministry of Education, 2010).
- There are approximately 682, 000 environmental professionals within major industry groups across Canada (Environmental Careers Organization Canada, 2010).

Build Your Resume and Gain Valuable Experience

Certification / Training:

- Paddle skills
- Wilderness Survival
- First Aid / CPR
- Navigation / GPS
- WHMIS
- Knot Tying

Career Exploration and Field Trips:

- Swim test
- Hiking and Canoe trip(s)
- Simcoe County Forest
- Springwater Park
- Fleming College (reach ahead)
- Caving / Rock Climbing

"My SHSM has prepared me for my future education in biological sciences through authentic outdoor experiences."



Components of the SHSM Program

1. MAJOR CREDITS - TOTAL OF 4 – At least one grade 11 course and one grade 12 course. See chart below for course options.



Throughout the course calendar this symbol indicates that the course may be counted as a major credit in the SHSM program.

| DEPARTMENT | GRADE 11 | GRADE 12 |
|-----------------------------|----------------------------------------------------|----------------------------------------------------|
| BUSINESS | BAF3M BAI3E | BAT4M |
| CANADIAN & WORLD STUDIES | CGT3O CLU3E CLU3M | CGR4M CGW4C CGW4U CLN4U |
| HEALTH & PHYSICAL EDUCATION | PAF3O PPL3O | PAF4O PLF4M PPL4O PSK4U |
| SCIENCE | SBI3C SBI3U SCH3U SPH3U SVN3E SVN3M | SBI4U SCH4C SCH4U SNC4M SPH4C SPH4U |
| SOCIAL SCIENCE & HUMANITIES | | HFA4C HFA4U HSB4U |
| TECHNOLOGICAL EDUCATION | TCJ3C TCJ3E | TCJ4C TCJ4E |

2. CO-OP CREDITS - 2 environment-related.

3. CERTIFICATIONS – TOTAL OF 7

| Four compulsory | | | |
|--------------------------------------------------------|---------------------------------------------|------------------------------------------------------------------------------------------------------------|--------------------|
| Cardiopulmonary Resuscitation (CPR) Level C (with AED) | compass/map/global positioning system (GPS) | generic (not site-specific) instruction about the Workplace Hazardous Materials Information System (WHMIS) | Standard First Aid |

Three electives from the list below (TBD).

| | | | |
|-----------------------------|-------------------------|--------------------------------------------|----------------------|
| Animal and plant management | Below Zero | Geographic information system (GIS) | Knots technique |
| Habitat restoration | Hike Ontario | Introduction to stream assessment protocol | Search and rescue |
| Leadership Skills | Leave No Trace | Life-saving (Bronze Cross) | Customer service |
| Paddling techniques | Project Wild | Radio operator | Watershed Management |
| Species identification | Water/Ice safety | Ontario Hunter Education | Working at Heights |
| Wilderness survival | Pleasure Craft Operator | | |

4. CONTEXTUALIZED LEARNING ACTIVITIES – Environment-focused 6-10 hours of work completed as part of the following courses:

1 – Grade 11 ENGLISH - (NBE3C, NBE3U, NBE3E, ENG3U, ENG3C, or ENG3E)

1 – Grade 11 MATH – (MBF3C, MCF3M, MCR3U, or MEL3E)

1 – Grade 12 ENGLISH – (ENG4C, ENG4U, ENG4E, or OLC4O)

5. EXPERIENTIAL LEARNING/CAREER EXPLORATION

6. REACH AHEAD EXPERIENCES

7. SECTOR-PARTNERED CONTEXTUALIZED COMPONENT (SPCC)

Talk to Mrs. S. Georgy-Jenkinson if you are ready to sign up: sgeorgyjenkinson@scdsb.on.ca

If you have any questions about Environmental Science SHSM at EDHS, contact:

Mr. D Knox: dknox@scdsb.on.ca

Mr. D. Burns: dburns@scdsb.on.ca

If you have questions about the 3-credit Outdoor Education Program, contact: Mrs. K. Giles: kgiles@scdsb.on.ca

GRADE 9 COURSE DESCRIPTIONS

Grade 8 students choose Grade 9 courses based on 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 grades 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 compulsory courses: 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

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

ENG1D: English

This course is designed to develop the oral communication, reading, writing, and media literacy skills that students need for success in their secondary school academic programs and in their daily lives. Students will 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.

FSF1D: Core French

This course provides opportunities for students to communicate and interact in French with increasing independence, with a focus on familiar topics related to their daily lives. Students will 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.

FSF10: 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**

KENPNK: Language and Communication Development

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. **NOTE:** 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.

KMMPNK: Numeracy and Numbers

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. **NOTE:** 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.

MTH1W: Mathematics

This course enables students to consolidate, and continue to develop, an understanding of mathematical concepts related to number sense and operations, algebra, measurement, geometry, data, probability, and financial literacy. Students will use mathematical processes, mathematical modelling, and coding to make sense of the mathematics they are learning and to apply their understanding to culturally responsive and relevant real-world situations. Students will continue to enhance their mathematical reasoning skills, including proportional reasoning, spatial reasoning, and algebraic reasoning, as they solve problems and communicate their thinking.

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.

SNC1W: Science

This course enables students to develop their understanding of concepts related to biology, chemistry, physics, and earth and space science, and to relate science to technology, society, and the environment. Throughout the course, students will develop and refine their STEM skills as they use scientific research, scientific experimentation, and engineering design processes to investigate concepts and apply their knowledge in situations that are relevant to their lives and communities. Students will continue to develop transferable skills as they become scientifically literate global citizens.

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.

ELECTIVE COURSES – GRADE 9

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

ADA10: Drama, Grade 9, 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.

AMU10: Instrumental Music, Grade 9, 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.

Note: This is a beginner instrumental course and all are welcome.

AVI10: Visual Arts, Grade 9, 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.

BTT10: Information and Communication Technology in Business, Grade 9, 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.

GLS10/GLE10: Learning Strategies 1: Skills for Success in Secondary School, Grade 9, Open

This course focuses on learning strategies to help students become better, more independent learners. Students will learn how to develop and apply literacy and numeracy skills, personal management skills, and interpersonal and teamwork skills to improve their learning and achievement in school, the workplace, and the community. The course helps students build confidence and motivation to pursue opportunities for success in secondary school and beyond.

PPL10F (Female) PPL10M (Male) PPL101 (Co-ed): Healthy Active Living Education, 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 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.

TIJ10: Exploring Technological Design, Grade 9, Open

This course enables students to further explore and develop technological knowledge and skills introduced in the elementary science and technology program. Students will be given the opportunity to design and create products and/or provide services related to the various technological areas or industries, working with a variety of tools, equipment, and software commonly used in industry. Students will develop an awareness of environmental and societal issues, and will begin to explore secondary and postsecondary education and training pathways leading to careers in technology-related fields.

NOTE: In this unique opportunity students will split their time between the wood shop and the Communications lab. In the wood shop the students will learn how to properly and safely operate industry standard tools and machines. The students will use the mitre saw, band saw, table saw and various other tools making wooden projects to take home. Besides learning the physical skills necessary to complete their projects, students will also learn about measurement, paper and digital drawings and increase their knowledge in current construction codes and structures.

In the Communications lab students will learn about a wide variety of areas concerning animation, Photoshop, video editing, videogame making, and more. The students will also learn other skills such as household wiring, framing, plumbing with an emphasis hands-on training.

GRADE 10 COURSE DESCRIPTIONS

Grade 9 students may choose grade 10 courses based on their needs, interests, strengths, and past achievements, and grade 10 students may choose grade 11 courses. However, it is important to look at the prerequisites for courses in the next grade to make sure that the courses 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 individuals, groups, and communities, including First Nations, Métis, and Inuit individuals and communities, 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 identities, citizenship, and heritage in Canada. Students will develop an understanding of some of the political developments and government policies that have had a lasting impact on First Nations, Métis, and Inuit individuals and communities. 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. **NOTE:** This course will be offered in alternating years; next offering in 2022-2023

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, including First Nations, Métis, and Inuit individuals and communities, since 1914. Students will explore interactions between various communities in Canada as well as contributions of individuals and groups to heritage and identities in Canada. Students will develop an understanding of some key political developments and government policies that have had an impact on First Nations, Métis, and Inuit individuals and communities. 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 the continuing relevance of historical developments and how they have helped shape communities in present-day Canada.

CHV20: 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. **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. **NOTE:** This course will also focus on literacy test preparation. **Prerequisite: English, Grade 9, Academic or Applied**

GLC20: Career Studies, Grade 10, Open .5 credit

This course gives students the opportunity to develop the skills, knowledge, and habits that will support them in their education and career/life planning. Students will learn about global work trends, and seek opportunities within the school and community to expand and strengthen their transferable skills and their ability to adapt to the changing world of work. On the basis of exploration, reflective practice, and decision-making processes, students will make connections between their skills, interests, and values and their postsecondary options, whether in apprenticeship training, college, community living, university, or the workplace. They will set goals and create a plan for their first postsecondary year. As part of their preparation for the future, they will learn about personal financial management – including the variety of saving and borrowing tools available to them and how to use them to their advantage – and develop a budget for their first year after secondary school.

KENPNK: Language and Communication Development

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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.

KMMPNK: Numeracy and Numbers

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. **NOTE:** 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.

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 relations and their applications; solve and apply linear systems; verify properties of geometric figures using analytic geometry; and investigate the trigonometry of right and acute triangles. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

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

Prerequisite: Science, Grade 9, Academic or Applied

ELECTIVE COURSES – GRADE 10

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

AMG20: Music – Guitar, Grade 10, Open

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

NOTE: This is 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.

AMK20: Music Keyboarding, Grade 10, Open

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

NOTE: 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.

AMM20 – Music and Computers, Grade 10, Open

This course emphasizes the creation and performance of music at a level consistent with previous experience. Students will develop musical literacy skills by using the creative and critical analysis processes in composition, performance, and a range of reflective and analytical activities. Students will develop their understanding of

musical conventions, practices, and terminology and apply the elements of music in a range of activities. They will also explore the function of music in society with reference to the self, communities, and cultures.

NOTE: This is a course designed for students who wish to explore the use of computers in contemporary music. Students have the hands-on experience of using computers and music technology for creative exploration, composition, and performance. Performance on a specific instrument will not have a large focus in the course, however basic skills on a variety of instruments will be taught. It is recommended that students do have some experience with a musical instrument but it is not required for full participation. The broader scheme of the course involves a wide variety of musical disciplines with collaboration and creation at its focus. Project-based assignments will make up a large part of the course material, therefore giving students the opportunity to work in roles that suit their comfort levels and individual needs.

AMU20: Instrumental 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 AMU10, or previous instrumental music experience.

AVI20: Visual Arts, Grade 10, Open

This course enables students to develop their skills in producing and presenting art by introducing them to new ideas, materials, and processes for artistic exploration and experimentation. Students will apply the elements and principles of design when exploring the creative process. Students will use the critical analysis process to reflect on and interpret art within a personal, contemporary, and historical context.

BBI20: 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 and communication technology, human resources, and production, and of the importance of ethics and social responsibility. This course builds a foundation for further studies in business and helps students develop the business knowledge and skills they will need in their everyday lives.

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

HFN20: Food and Nutrition, Grade 10, Open

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

ICS20: 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.

NAC20: First Nations, Métis, and Inuit in Canada, Grade 10, Open

This course explores the histories of First Nations and Inuit in Canada from precontact, as well as Métis from their beginnings, to the present day. Students will examine the continuing impact of past social, cultural, economic, political, and legal trends and developments on First Nations, Métis and Inuit individuals and communities. Students will apply the concepts of historical thinking and the historical inquiry process to investigate a range of issues, events, and interactions that have affected First Nations, Métis, and Inuit individuals and communities, including those that continue to affect relations between Indigenous and non-Indigenous peoples in Canada. **NOTE:** This course may count as the grade 10 compulsory history credit.

PAF201 (Co-ed): Healthy Living and Personal Fitness 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 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 KSfitness 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.

PPL201 (Co-ed) PPL20F (Female) PPL20M (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.

TCJ20: 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.

TGJ20: 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:** This course is designed to give students an introduction to both the Gamemaker and the Animation streams. They will work on learning the basics and beginnings of both programs with the intent that students will choose their preferred path. The class will be split into two sections (half the semester on learning Gamemaker and game making theories while the second half will be dedicated to learning Adobe Animator and Adobe Character Animator and how to tell stories through animating original characters).

GRADE 11 COURSE DESCRIPTIONS

Grade 10 students may choose Grade 11 courses based on their needs, interests, strengths, and past achievements. Grade 11 students may 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.

ENGLISH

NBE3C: English: Understanding Contemporary First Nations, Métis, and Inuit Voices, Grade 11, College Preparation

This course explores the themes, forms, and stylistic elements of literary, informational, graphic, oral, cultural, and media text forms emerging from First Nations, Métis, and Inuit cultures in Canada, and also looks at the perspectives and influences of texts that relate to those cultures. In order to understand contemporary text forms and their themes of identity, relationship, and self-determination, sovereignty, or self-governance, students will study the use of text forms by Indigenous authors/creators from other periods in expressing ideas related to these themes. Students will also create oral, written, and media texts to explore their own ideas and understanding, focusing on the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. The course is intended to prepare students for the compulsory Grade 12 English college preparation course. **Prerequisite:** English, Grade 10, Academic or Applied

NBE3U: English: Understanding Contemporary First Nations, Métis, and Inuit Voices, Grade 11 University Preparation

This course explores the themes, forms, and stylistic elements of a variety of literary, informational, graphic, oral, cultural, and media text forms emerging from First Nations, Métis, and Inuit cultures in Canada, and also examines the perspectives and influence of texts that relate to those cultures. In order to fully understand contemporary text forms and their themes of identity, relationship, and self-determination, sovereignty, or self-governance, students will analyse the changing use of text forms by Indigenous authors/creators from various periods and cultures in expressing ideas related to these themes. Students will also create oral, written, and media texts to explore their own ideas and understanding, focusing on the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. The course is intended to prepare students for the compulsory Grade 12 English university or college preparation course. **Prerequisite:** English, Grade 10, Academic

OLC30: Ontario Secondary School Literacy Course, Grade 11, 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.

MATHEMATICS

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.

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.

KENANK: 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.

KMMANK: 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.

ELECTIVE COURSES – GRADE 11

Grade 11 students will select six elective courses.

ARTS

ADA3M: Drama, Grade 11, Open

This course requires students to create and perform in dramatic presentations. Students will analyze, interpret, and perform dramatic works from various cultures and time periods. Students will research various acting styles and conventions that could be used in their presentations, and analyse the functions of playwrights, directors, actors, designers, technicians, and audiences. **Prerequisite: Drama, Grade 9 or 10, Open**

AMG30: Music - Intermediate Guitar, 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 life and their careers. **NOTE:** 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. Students must use an acoustic guitar. **Prerequisite: Beginner Guitar (AMG20), Grade 10**

AMU3M: Instrumental Music, 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**

AVI3M: Visual Arts, Grade 11, Open

This course enables students to further develop their knowledge and skills in visual arts. Students will use the creative process to explore a wide range of themes through studio work that may include drawing, painting, sculpting, and printmaking, as well as the creation of collage, multimedia works, and works using emerging technologies. Students will use the critical analysis process when evaluating their own work and the work of others. The course may be delivered as a comprehensive program or through a program focused on a particular art form (e.g., photography, video, computer graphics, information design). **NOTE:** 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

AWL30: Visual Arts (Drawing), Grade 11, Open

This course enables students to further develop their knowledge and skills in visual arts. Students will use the creative process to explore a wide range of themes through studio work that may include drawing, painting, sculpting, and printmaking, as well as the creation of collage, multimedia works, and works using emerging technologies. Students will use the critical analysis process when evaluating their own work and the work of others. The course may be delivered as a comprehensive program or through a program focused on a particular art form (e.g., photography, video, computer graphics, information design). **NOTE:** Drawing 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 ethics and current issues 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

CGT30: Introduction to Spatial Technologies, Grade 11, Open



This course enables students to develop practical skills associated with spatial technologies and to investigate related career opportunities. Students will develop their ability to use geographic information systems (GIS), global positioning systems (GPS), and remote sensing technologies. They will apply the concepts of geographic thinking and the geographic inquiry process when conducting fieldwork, collecting and organizing data, and analyzing spatial images such as maps and aerial photographs. Throughout the course, students' local context is emphasized. **NOTE:** Possible Careers: GIS/GPS technician, GIS/GPS specialist, analyst, field data collection technician, farmer, farm equipment operator, soil analyst, forestry

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

CHT30: 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

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, cyberbullying, and criminal offences. Students will begin to develop legal reasoning skills and will apply the concepts of legal thinking and the legal studies inquiry process when investigating legal issues that are relevant to life in Canada today. **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, or the locally developed compulsory course (LDCC) in Canadian history

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 laws relating to rights and freedoms in Canada; our legal system; and family, contract, employment, tort, and criminal law. Students will develop legal reasoning skills and will apply the concepts of legal thinking and the legal studies inquiry process when investigating a range of legal issues and formulating and communicating informed opinions about them. **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

CO-OPERATIVE EDUCATION

GWL302 - half day co-op GWL304 - full day co-op

This course consists of a learning experience connected to a community 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, including their education and career/life planning, at school and beyond, today and in the future. Within the context of their experience connected to a community, 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. **Prerequisite:** None

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

HEALTH AND PHYSICAL EDUCATION

PAF301 (Co-ed): Healthy Active Living - Personal 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.

PPL30F (Female) PPL301 (Co-ed): 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.

CGR4M: Environment and Resource Management, Grade 12, University/College Preparation

This course investigates interactions between natural and human systems, with a particular emphasis on the impacts of human activity on ecosystems and natural processes. Students will use the geographic inquiry process, apply the concepts of geographic thinking, and employ a variety of spatial skills and technologies to analyse these impacts and propose ways of reducing them. During their investigations, they will assess resource management and sustainability practices, as well as related government policies and international accords. They will also consider questions of individual responsibility and environmental stewardship as they explore ways of developing a more sustainable relationship with the environment.

NBE3U: English: Understanding Contemporary First Nations, Métis, and Inuit Voices, Grade 11 University Preparation

This course explores the themes, forms, and stylistic elements of a variety of literary, informational, graphic, oral, cultural, and media text forms emerging from First Nations, Métis, and Inuit cultures in Canada, and also examines the perspectives and influence of texts that relate to those cultures. In order to fully understand contemporary text forms and their themes of identity, relationship, and self-determination, sovereignty, or self-governance, students will analyse the changing use of text forms by Indigenous authors/creators from various periods and cultures in expressing ideas related to these themes. Students will also create oral, written, and media texts to explore their own ideas and understanding, focusing on the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. The course is intended to prepare students for the compulsory Grade 12 English university or college preparation course. **Prerequisite: English, Grade 10, Academic**

NBE3C: English: Understanding Contemporary First Nations, Métis, and Inuit Voices, Grade 11, College Preparation

This course explores the themes, forms, and stylistic elements of literary, informational, graphic, oral, cultural, and media text forms emerging from First Nations, Métis, and Inuit cultures in Canada, and also looks at the perspectives and influences of texts that relate to those cultures. In order to understand contemporary text forms and their themes of identity, relationship, and self-determination, sovereignty, or self-governance, students will study the use of text forms by Indigenous authors/creators from other periods in expressing ideas related to these themes. Students will also create oral, written, and media texts to explore their own ideas and understanding, focusing on the development of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. The course is intended to prepare students for the compulsory Grade 12 English college preparation course. **Prerequisite: English, Grade 10, Academic or Applied**

COOP (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.

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 chemicals and chemical bonds; chemical reactions and quantitative relationships in those reactions; solutions and solubility; and atmospheric chemistry and the behaviour of gases. Students will further develop their analytical skills and investigate the qualitative and quantitative properties of matter, as well as the impact of some common chemical reactions on society and the environment. **Prerequisite: 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 analyze 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 2023-2024, as the course only runs in alternating years. It is recommended that students take grade 10 academic math prior to grade 11 university physics.

Prerequisite: Science, 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

SOCIAL SCIENCE AND THE HUMANITIES

HPC30: 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 behavior. Students will develop their research skills through investigations related to caregiving and child rearing. **Prerequisite:** None

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

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

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:** The Grade 10 academic course in English, or the Grade 10 academic history course (Canadian and world studies)

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**

TGI3M: Communications Technology: Interactive New Media and Animation, 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: This course examines communications technology from an animation perspective. Students will develop knowledge and skills as they design and produce media projects in graphic communications. These areas include interactive new media while developing the ability to express themselves through various animation software. 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 animation fields. This animation class will focus only on the creation of original animation characters and stories. The students will focus on the use of Adobe Animator and Adobe Character Animator to create characters while using Adobe Photoshop and Premiere to give supplemental support to the students' creations. The students will focus on the importance of storytelling while understanding the importance of sound and style to the overall success of the characters and storylines.

Prerequisite: None

TGJ3M: Communications Technology (Game-Maker), 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:** This game maker class is designed to allow students to take their interest and skill to the next level making 2-D and 3-D games. The

students will be able to design their own games and make a very clear and concise style while learning what makes a successful game. The students will be using the software Gamemaker 2 and will have the opportunity to explore many aspects and avenues of the game industry. Students that choose this course will learn exclusively about video game making. **Prerequisite: None**

TWJ3E: Custom Woodworking, Grade 11, Workplace

This course enables students to develop knowledge and skills related to cabinet making and furniture making. Students will gain practical experience using a variety of the materials, tools, equipment, and joinery techniques associated with custom woodworking. Students will learn to create and interpret technical drawings and will plan, design, and fabricate projects. They will also develop an awareness of environmental and societal issues related to the woodworking industry, and will explore apprenticeships, post-secondary training, and career opportunities in the field that may be pursued directly after graduation. **Prerequisite: None**

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.

ENGLISH

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 analyze 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 Preparation**

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 analyze informational, graphic, and literary texts and create oral, written, and media texts in a variety of forms for workplace-related and practical purposes. An important focus will be on using language accurately and organizing ideas and information coherently. The course is intended to prepare students for the workplace and active citizenship.

Prerequisite: 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

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.

KENANK: 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.

KMMANK: 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.

ELECTIVE COURSES – GRADE 12

Grade 12 students will select up to seven elective courses.

ARTS

AMU4M: Instrumental Music, 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 analyze how to apply skills developed in music to their lives and careers.

Prerequisite: Instrumental Music, Grade 11, University/College Preparation or Open

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, University/College Preparation

AWT4M: Visual Arts: Art and the Social Imagination, 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. **NOTE:** This course is an inquiry-based course that will give students an opportunity to learn and create awareness around public/private issues which may affect individuals, communities, and societies at large. Looking through an artistic lens, how do our social constructs influence our lives? Although this course will follow the Grade 12 Visual Arts curriculum, students do not need to have a heavy practical studio arts background. **Prerequisite: Visual Arts, Grade 11, University/College Preparation**

BUSINESS

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, Grade 11, University/College Preparation

CANADIAN AND WORLD STUDIES

The prerequisite for any Grade 12 course in Canadian and World Studies is any Grade 11 university or university/college preparation course in Canadian and world studies, English, or social sciences and humanities, 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



In this course, students will address the challenge of creating a more sustainable and equitable world. They will explore issues involving a wide range of topics, including economic disparities, threats to the environment, globalization, human rights, and quality of life, and will analyze government policies, international agreements, and individual responsibilities relating to them. Students will apply the concepts of geographic thinking and the geographic inquiry process, including the use of spatial technologies, to investigate these complex issues and their impacts 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.

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 ideas and assess societal progress or decline in world history.

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 an understanding of the principles of Canadian and international law and of issues related to human rights and freedoms, conflict resolution, and criminal, environmental, and workplace law, both in Canada and internationally. Students will apply the concepts of legal thinking and the legal studies inquiry process, and will develop legal reasoning skills, when investigating these and other issues in both Canadian and international contexts. **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.

CO-OPERATIVE EDUCATION

GWL302 - half day co-op GWL304 - full day co-op

This course consists of a learning experience connected to a community 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, including their education and career/life planning, at school and beyond, today and in the future. Within the context of their experience connected to a community, 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. **Prerequisite: None**

HEALTH AND PHYSICAL EDUCATION

PAF401 (Co-ed): Healthy Living and Personal Fitness Activities, 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 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.

PLF4M (Co-ed): Recreation and Healthy Active Living Leadership, Grade 12, University/College Preparation

This course enables students to explore the benefits of lifelong participation in active recreation and healthy leisure and to develop the leadership and coordinating skills needed to plan, organize, and safely implement recreational events and other activities related to healthy, active living. Students will also learn how to promote the benefits of healthy, active living to others through mentoring and assisting them in making informed decisions that enhance their well-being. The course will prepare students for university programs in physical education and health and kinesiology and for college and university programs in recreation and leisure management, fitness and health promotion, and fitness leadership. **Prerequisite: Any health and physical education course**

PPL40F (Female) PPL401 (Co-ed): 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.

MATHEMATICS

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. **NOTE:** This course may be used as a prerequisite for grade 12 university Advanced Functions (MHF4U). **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 or concurrently with 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 analyzing 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

SCIENCE

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

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 analyze, 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: 2023-2024)**

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.



HFA4C – Nutrition and Health, Grade 12, College Preparation

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

HFA4U – Nutrition and Health, Grade 12, University Preparation



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

HHG4M – Human Development Throughout the Lifespan, Grade 12, University/College Preparation

This course offers a multidisciplinary approach to the study of human development throughout the lifespan. Students will learn about a range of theoretical perspectives on human development. They will examine threats to healthy development as well as protective factors that promote resilience. Students will learn about physical, cognitive, and social-emotional development from the prenatal period through old age and will develop their research and inquiry skills by investigating issues related to human development. **NOTE:** This course also requires students to participate in a placement here at EDHS where they can practice and demonstrate the skills they have learned in class.

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 behavior and their impact on society. Students will critically analyze how and why cultural, social, and behavioral 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.

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

TGI4M: Interactive New Media and Animation, Grade 12, University/College Preparation

This course enables students to further develop media knowledge and skills while designing and producing projects in the areas of live, recorded, and graphic communications. Students may work in the areas of TV, video, and movie production; radio and audio production; print and graphic communications; photography; digital imaging; broadcast journalism; and interactive new media. Students will also expand their awareness of environmental and societal issues related to communications technology and will investigate career opportunities and challenges in a rapidly changing technological environment. **NOTE:** This course examines communications technology from an animation perspective. Students will develop knowledge and skills as they design and produce media projects in graphic communications. These areas include interactive new media while developing the ability to express themselves through various animation software. 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 animation fields.

Prerequisite: Comm Tech - Interactive New Media and Animation, Grade 11, University/College Preparation

TGJ4M: Gamemaker, Grade 12, University/College Preparation

This course enables students to further develop media knowledge and skills while designing and producing projects in the areas of live, recorded, and graphic communications. Students may work in the areas of TV, video, and movie production; radio and audio production; print and graphic communications; photography; digital imaging; broadcast journalism; and interactive new media. Students will also expand their awareness of environmental and societal issues related to communications technology and will investigate career opportunities and challenges in a rapidly changing technological environment. **NOTE:** This game maker class is designed to allow students to take their interest and skill to the next level making 2-D and 3-D games. The students will be able to design their own games and make a very clear and concise style while learning what makes a successful game. The students will be using the software Gamemaker 2 and will have the opportunity to explore many aspects and avenues of the game industry. Students that choose this course will learn exclusively about video game making. **Prerequisite: Comm Tech - Gamemaker, Grade 11, University/College Preparation**

TWJ4E: Custom Woodworking, Grade 12, Workplace Preparation

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

Prerequisite: Custom Woodworking, Grade 11, Workplace Preparation

E-LEARNING / SUMMER SCHOOL / NIGHT SCHOOL

To view SCDSB eLearning course offerings for 2022-2023:

https://scdsb.on.ca/UserFiles/Servers/Server_210898/File/Secondary/Program%20Options/SCDSB-eLearning-courses_2021-22.pdf

To view 2022 SCDSB summer school course offerings:

<http://www.thelearningcentres.com/high-school-student/summer-school>

To view SCDSB 2022-2023 night school offerings: <http://www.thelearningcentres.com/adult-student/night-school>

Extra-Curricular Activities

In addition to academics, EDHS promotes the enjoyment of other school-based opportunities for all students. Involvement in extra-curricular activities will help to foster a sense of community and belonging, and create lasting memories. Students who are fully engaged in school life often achieve greater academic success.

Make the most of your high school experience and get involved in the fun stuff!

Clubs

Chess Club
Coding Club
Debate Team
"Extra Life" Sick Kids Hospital Fundraiser
Gay-Straight Alliance (GSA)
Link Crew
EDHS Gives
Mock Trial
Outdoors Club
Tree Huggers
Yearbook Club
Video Game Society



Music and the Arts

Blues Band
Choir
Concert Band
Recording Club
Sound and Lighting



Community Involvement

EDHS Day
Environmental Partnerships
Fall Fair marching and float building
Food Drive
Maple Syrup Festival
Salvation Army sponsorship



Athletics

Competitive Team & Individual Sports

Alpine Skiing
Badminton
Basketball
Cross Country Running
Curling
Flag Football
Golf
Hockey
Nordic Skiing
Soccer
Track and Field
Ultimate Frisbee – No Cut
Volleyball



Supercrew

Terry Fox Run
Fall Fair
Intramural Sports (Dodge Ball, Basketball, Badminton, Ultimate Frisbee, Soccer, Volleyball, etc.)
"Hicks with Sticks" (floor hockey) 3 on 3 ball hockey tournament
Winter Carnival
Athletic Banquet (June)
Dances, Semi-Formal, Prom
Fundraising
Theme Days
Grade Days



COURSES OFFERED 2022-2023

| | Grade 9 | Grade 10 | Grade 11 | Grade 12 |
|----------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ARTS | ADA1O - Drama AMU1O - Instrumental AVI1O - Visual Arts | AMG2O - Guitar AMK2O - Keyboarding AMM2O - Music & Computers AMU2O - Instrumental AVI2O - Visual Arts | ADA3M - Drama AMG3O - Guitar AMU3M - Instrumental AVI3M - Visual Arts AWL3O - Drawing | AMU4M - Instrumental AVI4M - Visual Arts AWT4M - Art and the Social Imagination |
| BUSINESS | BTT1O - Information & Comm Tech in Business | BBI2O - Intro to Business | BAF3M - Financial Accounting BAI3E - Accounting Essentials | BAT4M – Financial Accounting Principles |
| CANADIAN AND WORLD STUDIES | CGC1D - Geography | CHC2D - History CHC2L - History CHC2P - History CHV2O - Civics (.5 credit) | CGT3O - Intro to Spatial Technologies CHT3O - World History since 1900 CLU3E - Canadian Law CLU3M - Canadian Law | CGW4C - World Issues CGW4U - World Issues CHY4C - World History since the 15 th Century CHY4U - World History since the 15 th Century CLN4U - Canadian & International Law |
| COMPUTER STUDIES | | ICS2O - Intro to Computer Studies | | |
| COOP EDUCATION | | | GWL3O2 - half day GWL3O4 - full day | GWL3O2 - half day GWL3O4 - full day |
| ENGLISH | ENG1D ENG1L | ENG2D ENG2L ENG2P | NBE3C NBE3U OLC3O - Ontario Secondary School Literacy Course | ENG4C - English ENG4E - English ENG4U - English |
| FIRST NATIONS, MÉTIS, AND INUIT STUDIES | | NAC2O - First Nations, Métis, and Inuit in Canada | | |
| FRENCH | FSF1D FSF1O | FSF2D FSF2P | FSF3U - French | |
| GUIDANCE | GLS1O / GLE1O – Learning Strategies | GLC2OH - Careers (.5 credit) | | |
| INTERDISCIPLINARY STUDIES | | | BLOCK3A: Outdoor Environmental Leadership Program (OELP) | |
| MATH | MAT1L MTH1W | MAT2L MFM2P MPM2D | MBF3C - College Math MCF3M - Functions & Applications MCR3U - Functions MEL3E - Math for Work and Everyday Life | MAP4C - Foundations for College Math MCT4C - Math for College Technology MCV4U - Calculus & Vectors MDM4U - Data Management MEL4E - Math for Work & Everyday Life MHF4U - Advanced Functions |
| PHYSICAL EDUCATION | PPL1OF - Gym - Female PPL1OM - Gym - Male PPL1O1 - Gym - Co-ed | PAF2O1 - Fitness - Co-ed PPL2O1 - Gym - Co-ed PPL2OF - Gym - Female PPL2OM - Gym - Male | PAF3O1 - Fitness – Co-ed PPL3O1 - Gym - Co-ed PPL3OF - Gym - Female | PAF4O1 - Fitness - Co-ed PLF4M1 - Recreation and Healthy Active Living Leadership - Co-ed PPL4O1 - Gym - Co-ed PPL4OF - Gym - Female |
| SCIENCE | SNC1W SNC1LL | SNC2D SNC2L SNC2P | SBI3C - Biology SBI3U - Biology SCH3U - Chemistry SPH3U - Physics SVN3E - Environmental Science SVN3M - Environmental Science | SBI4U - Biology SCH4C - Chemistry SCH4U - Chemistry SPH4C - Physics |
| SOCIAL SCIENCES | | HFN2O - Food and Nutrition | HPC3O - Raising Healthy Children HSG3M - Gender Studies HSP3C - Introduction to Anthropology, Psychology, & Sociology HSP3U - Introduction to Anthropology, Psychology & Sociology | HFA4C - Nutrition and Health HFA4U - Nutrition and Health HHG4M - Human Development Throughout the Lifespan HSB4U - Challenge and Change |
| SPECIAL EDUCATION (NON-CREDIT) | KENPNK - Language & Comm. KMMPNK - Numeracy | KENPNK - Lang. & Comm. KMMPNK - Numeracy | KENANK - Language & Communication KMMANK - Numeracy | KENANK - Language & Communication KMMANK - Numeracy |
| TECHNICAL | TIJ1O - Exploring Technologies | TCJ2O - Construction Tech TGJ2O - Comm Tech - Animation and Game-Maker | TCJ3C - Construction Engineering Tech TCJ3E - Construction Technology TGI3M - Comm Tech: New Media & Animation TGJ3M - Comm Tech: Game-Maker TWJ3E - Custom Woodworking | TCJ4C - Construction Tech TCJ4E - Construction Tech TGI4M - Comm Tech: New Media & Animation TGJ4M - Comm Tech: Game-Maker TWJ4E - Custom Woodworking |

Fifth Character Legend: P – Applied D – Academic L – Locally Developed O – Open W - Destreamed
C – College U – University E – Workplace M – Mixed (University / College)



My Education Plan at Elmvalle District High School

In order to earn an Ontario Secondary School Diploma, a student must:

- Earn 30 credits (**18 compulsory** and 12 optional)
- Complete **40 hours** of Community Involvement Activities
- Successfully complete the Ontario Secondary School Literacy Requirement

| Grade 9 Year 1 | | Grade 10 Year 2 | | Grade 11 Year 3 | | Grade 12 Year 4 |
|-------------------|-------------------------------------------|-----------------------|--------------------------------------|--------------------|--------------------------------------|--------------------|
| 1. English | C R O S S O V E R | 1. English | T R A N S F E R | 1. English | T R A N S F E R | 1. English |
| 2. Math | | 2. Math | | 2. Math | | 2. Elective |
| 3. Science | | 3. Science | | 3. (Group 1) | | 3. Elective |
| 4. Geography | | 4. History | | 4. (Group 2) | | 4. Elective |
| 5. French | M A T E R I A L S | 5. Civics/ Careers | C O U R S E S | 5. (Group 3) | C O U R S E S | 5. Elective |
| 6. Elective | | 6. Elective | | 6. Elective | | 6. Elective |
| 7. Elective | | 7. Elective | | 7. Elective | | |
| 8. Elective | | 8. Elective | | 8. Elective | | |
| Credits = 8 | | + 8 = 16 Credits | | + 8 = 24 Credits | | + 6 = 30 Credits |

Students must earn 1 compulsory credit in the arts and 1 compulsory credit in Phys. Ed at any grade level for their OSSD.

The compulsory "Group" credits may be achieved from Grades 9-12.

A **Group 1** credit is an additional credit in English, or French as a Second Language, or Social Science and the Humanities, or Canadian and World Studies, or Guidance, or Co-op

A **Group 2** credit is an additional credit in Health & Physical Education, or the Arts, or French as a second language, or Business (Gr. 9-12), or Co-op

A **Group 3** credit is an additional credit in Science or Computer Studies (Gr. 10 - 12) or Technical Education (Gr. 9-12), or French as a second language or Co-op

· A maximum of 2 of the 3 "Group" requirements may be met with Co-op credits

· A maximum of 2 of the 3 additional "Group" requirements may be met with French as a second language, one of which may be earned for group 1 and the second for either group 2 or 3.