

GRAVENHURST HIGH SCHOOL

2025 – 2026

COURSE CALENDAR



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2025-2026 COURSES AT A GLANCE

GRADE 9			GRADE 11 Cont.		
ADA1O	Drama	Open	HSP3U	Intro to Anthropology, Psychology, Sociology	University
AMU1O	Music (Band)	Open	HSP3C	Intro to Anthropology, Psychology, Sociology	College
AVI1O	Visual Art	Open	MBF3C	Foundations for College Mathematics	College
CGC1W	Issues in Canadian Geography	De-streamed	MCR3U	Mathematics: Functions & Applications	University
ENL1W	English	De-streamed	MEL3E	Mathematics: Work & Everyday Life	Workplace
ENG1L	English	Locally Developed	NBE3C	Language - Understanding Contemporary First	College
FSF1D	Core French	Academic	NBE3U	Language - Understanding Contemporary First	University
GLS1O	Learning Strategies	Open	PAF3O	Personal & Fitness Activities - Coed	Open
MTH1W	Mathematics	Open	PAL3O	Large Group Activities - Coed	Open
MAT1L	Mathematics	Locally Developed	PPL3O	Healthy Active Living - Coed	Open
LNMAO	Mohawk	Open			
PPL1OF	Healthy Active Living - Female	Open	SBI3U	Biology	University
PPL1OM	Healthy Active Living - Male	Open	SBI3C	Biology	College
SNC1W	Science	Open	SPH3U	Physics	University
SNC1L	Science	Locally Developed	SVN3E	Environmental Science	Workplace
TAS1O	Technology and the Skilled Trades	Open	TCJ3C	Construction Technology	College
GRADE 10			GRADE 12		
ADA2O	Dramatic Arts	Open	TFJ3C	Hospitality & Tourism (Food Prep)	College
AMG2O	Guitar	Open	TGJ3M	Communications Technology	Univ/Coll
AMU2O	Music (Band)	Open	TMJ3C	Manufacturing Technology	College
AMV2O	Music (Vocal)	Open	TTJ3C	Transportation Technology	College
AVI2O	Visual Arts	Open	TWJ3E	Custom Woodworking	Workplace
CHC2D	Canadian History Since WW1	Academic	ADA4M	Dramatic Arts	Univ/Coll
CHC2P	Canadian History Since WW1	Applied	AMG4M	Guitar	Univ/Coll
CHC2L	Canadian History Since WW1	Locally Developed	AMU4M	Music	Univ/Coll
CHV2O	Civics (Half Credit)	Open	AMV4M	Music (Vocal)	Univ/Coll
ENG2D	English	Academic	AVI4M	Visual Arts	Univ/Coll
ENG2P	English	Applied	AWC4M	Visual Arts (Ceramics)	Univ/Coll
ENG2L	English	Locally Developed	CGW4U	World Issue: A Geographic Analysis	University
FSF2D	Core French	Academic	CGW4C	World Issue: A Geographic Analysis	College
GLC2O	Career Studies (Half Credit)	Open	CLN4U	Legal Studies	University
GLE2O	Learning Strategies	Open	CLN4C	Legal Studies	College
MPM2D	Principles of Mathematics	Academic	ENG4U	English	University
MFM2P	Foundations of Mathematics	Applied	ENG4C	English	College
MAT2L	Mathematics	Locally Developed	ENG4E	English	Workplace
PAF2O	Personal & Fitness Activities - Coed	Open	FSF4U	French	University
PAL2O	Large Group Activities - Coed	Open	GLN4OD/Q	Coop (D=2 credits, Q=4 credits)	Open
PPL2OF	Healthy Active Living - Female	Open	MAP4C	Foundations for College Mathematics	College
PPL2OM	Healthy Active Living - Male	Open	MEL4E	Math for Everyday Life	Workplace
SNC2D	Science	Academic	MHF4U	Advanced Functions	University
SNC2P	Science	Applied	MCV4U	Calculus & Vectors	University
SNC2L	Science	Locally Developed	OLC4O	Ontario Literacy Course	Open
TCJ2O	Construction Technology	Open	PAF4O	Personal & Fitness Activities - Coed	Open
TFJ2O	Hospitality & Tourism (Food Prep)	Open	PAL4O	Large Group Activities	Open
TGJ2O	Communication Technology	Open	PPL4O	Healthy Active Living – Coed	Open
TTJ2O	Transportation Technology	Open	PSK4U	Introductory Kinesiology	University
GRADE 11			SBI4U	Biology	University
ADA3M	Dramatic Arts	Univ/Coll	SCH4C	Chemistry	College
AMG3O	Music (Guitar)	Open	SNC4M	Health Sciences	Univ/Coll
AMU3M	Music (Band)	Univ/Coll	SPH4U	Physics	University
AMV3M	Music (Vocal)	Univ/Coll	SPH4C	Physics	College
AVI3M	Visual Arts	Univ/Coll	TCJ4C	Construction Technology	Coll/Workplace
AWC3O	Visual Arts - Ceramics	Open	TFB4E	Hospitality & Tourism - Baking	Workplace
BDI3C	Entrepreneurship: The Venture	College	TFJ4C	Hospitality & Tourism (Food Prep)	College
CGG3O	Travel & Tourism	Open	TGJ4M	Communications Technology (Yearbook)	Univ/Coll
ENG3E	English	Workplace	TMJ4C	Manufacturing Technology	College
FSF3U	Core French	University	TTJ4C	Transportation Technology	College
GWL3OD/Q	Co-op (D=2 credits, Q=4 credits)	Open	TWJ4E	Custom Woodworking	Workplace
HPC3O	Raising Healthy Children (Parenting)	Open			

Table of Contents

GHS Vision Statement	1
Using the Course Calendar	1
School Academic Structure	1
The Semester System/School Day	1
The Requirements for the Ontario Secondary School Diploma (OSSD)	1
Compulsory Credits (18)	1
Optional Credits (12)	2
Other Graduation Requirements	2
Community Involvement Activities	2
The Ontario Secondary School Literacy Test (OSSLT)	2
Online Learning Graduation Requirement	2
Definition of “online learning” for this graduation requirement	2
The Ontario Secondary School Certificate (OSSC)	3
The Certificate of Accomplishment (COA)	3
Credits, Types of Courses, & Course Codes	4
Substitutions for Compulsory Courses	4
Attendance Policy	4
Evaluation and Examination Policies	4
Additional Information	5
SHSM Defined	5
Credit Recovery	5
Dual Credits	5
Report Cards	6
Ontario Student Record (OSR)	6
Ontario Student Transcript (OST)	6
Full Disclosure	6
Prior Learning Assessment & Recognition (PLAR)	6
<i>Challenge for Credit</i>	6
Special Education	6
Guidance, Cooperative & Career Education	6
Ontario Youth Apprenticeship Program (OYAP)	6
OYAP Fast	6
Virtual Learning Centre (VLC)	7
Summer School	7
School Support Services & Resources	7
Code of Conduct - Student Responsibility	7
Student Activity Fee	7
GHS Honour Roll	7

COURSES OF STUDY	8
ARTS	9
Grade 9 Dramatic Arts (Open)	9
Grade 10 Dramatic Arts (Open)	9
Grade 11 Dramatic Arts (University/College)	9
Grade 12 Dramatic Arts (University/College)	9
Grade 9 Music – Band (Open)	9
Grade 10 Music - Band (Open)	9
Grade 11 Music – Band (University/College)	10
Grade 12 Music – Band (University/College)	10
Grade 10 Music - Vocal (Open)	10
Grade 11 Music - Vocal (Open)	10
Grade 12 Music - Vocal (University/College)	10
Grade 10 Music – Guitar (Open)	10
Grade 11 Music – Guitar (Open)	11
Grade 12 Music – Guitar (University/College)	11
Grade 9 Visual Arts (Open)	11
Grade 10 Visual Arts (Open)	12
Grade 11 Visual Arts (University/College)	12
Grade 12 Visual Arts (University/College)	12
Grade 11 Visual Arts – Ceramics (Open)	12
Grade 12 Visual Arts – Ceramics (Open)	12
BUSINESS AND TECHNOLOGY	13
Grade 11 Entrepreneurship: The Venture (College)	13
TECHNOLOGY AND COMPUTER STUDIES	13
Grade 9 Technology and the Skilled Trades (Open)	13
Grade 10 Transportation Technology (Open)	13
Grade 11 Transportation Technology (College)	13
Grade 12 Transportation Technology (College)	13
Grade 10 Construction Technology (Open)	14
Grade 11 Construction Technology (College)	14
Grade 12 Construction Technology (College)	14
Grade 11 Manufacturing Technology (College)	14
Grade 12 Manufacturing Technology (College)	14
Grade 11 Custom Woodworking (Workplace)	15
Grade 12 Custom Woodworking (Workplace)	15

Grade 10 Communication Technology (Open)	15	Grade 12 English (College)	20
Grade 11 Communications Technology (University/College)	15	Grade 12 English (Workplace)	21
Grade 12 Communications Technology: Yearbook (University/College)	15	Grade 12 Ontario Literacy Course (Open)	21
Grade 10 Hospitality & Tourism (Open)	16	FRENCH	21
Grade 11 Hospitality & Tourism (College)	16	Grade 9 Core French (Academic)	21
Grade 12 Hospitality & Tourism (College)	16	Grade 10 Core French (Academic)	21
Grade 12 Hospitality & Tourism: Baking and Pastry (Workplace)	16	Grade 11 Core French (University)	21
CANADIAN AND WORLD STUDIES (CAWS)	16	Grade 12 Core French (University)	22
Grade 9 Issues in Canadian Geography (Destreamed)	16	MOHAWK	22
Grade 10 Can. Hist. since World War 1 (Academic)	17	Grade 9 Mohawk (Open)	22
Grade 10 Can. Hist. since World War 1 (Applied)	17	GUIDANCE AND CAREER EDUCATION	22
Grade 10 Canadian History (Locally Developed)	17	Grade 9 Learning Strategies (Open)	22
Grade 10 Civics & Citizenship (Open)	17	Grade 10 Learning Strategies (Open)	22
Grade 11 Introduction to Anthropology, Psychology & Sociology (College)	17	Grade 10 Career Studies (Open)	23
Grade 11 Introduction to Anthropology, Psychology & Sociology (University)	18	Grade 11 Cooperative Education: Designing Your Future (Open)	23
Grade 11 Travel and Tourism: A Geographic Perspective (Open)	18	Grade 12 Cooperative Education: Navigating the Workplace (Open)	23
Grade 12 Legal Studies (University)	18	HEALTH AND PHYSICAL EDUCATION	23
Grade 12 Legal Studies (College)	18	Grade 9 Healthy Active Living Education (Open)	23
Grade 12 World Issues: A Geographic Analysis (University)	18	Grade 10 Healthy Active Living Education (Open)	23
Grade 12 World Issues: A Geographic Analysis (College)	18	Grade 10 Personal & Fitness Activities (Co-Ed Open)	24
ENGLISH	19	Grade 10 Healthy Living and Large Group Activities - Focus on Volleyball games (Open)	24
Grade 9 English (Destreamed)	19	Grade 11 Personal & Fitness Activities (Open)	24
Grade 9 English (Locally Developed)	19	Grade 11 Healthy Active Living Education (Open)	24
Grade 10 English (Academic)	19	Grade 11 Healthy Living and Large Group Activities (Open)	24
Grade 10 English (Applied)	19	Grade 12 Personal & Fitness Activities (Open)	24
Grade 10 English (Locally Developed)	19	Grade 12 Healthy Active Living Education (Open)	25
Grade 11 English (Workplace)	20	Grade 12 Healthy Living and Large Group Activities (Open)	25
Grade 11 English: Understanding Contemporary First Nations, Metis, and Inuit Voices (College)	20	Grade 12 Introduction to Kinesiology (University)	25
Grade 11 English: Understanding Contemporary First Nations, Metis, and Inuit Voices (University)	20	FAMILY STUDIES	25
Grade 12 English (University)	20	Grade 11 Raising Healthy Children (Open)	25
		MATHEMATICS	26
		Grade 9 Mathematics (Destreamed)	26
		Grade 9 Mathematics (Locally Developed)	26

Grade 10 Principles of Mathematics (Academic)	26
Grade 10 Foundations of Mathematics (Applied)	26
Grade 10 Mathematics (Locally Developed)	26
Grade 11 Functions (University)	27
Grade 11 Foundations for College Mathematics (College)	27
Grade 11 Mathematics for Work & Everyday Life (Workplace)	27
Grade 12 Advanced Functions (University)	27
Grade 12 Calculus & Vectors (University)	27
Grade 12 Foundations for College Mathematics (College)	28
Grade 12 Mathematics for Work & Everyday Life (Workplace)	28
SCIENCE	28
Grade 9 Science (Destreamed)	28
Grade 9 Science (Locally Developed)	28
Grade 10 Science (Academic)	28
Grade 10 Science (Applied)	29
Grade 10 Science (Locally Developed)	29
Grade 11 Biology (University)	29
Grade 11 Biology (College)	29
Grade 11 Environmental Science (Workplace)	29
Grade 12 Health Sciences (Univ/Coll)	29
Grade 12 Biology (University)	30
Grade 12 Chemistry (College)	30
Grade 11 Physics (University)	30
Grade 12 Physics (University)	30
Grade 12 Physics (College)	30
University Science Courses at a Glance	31
College Science Courses at a Glance	31

GHS Vision Statement

Gravenhurst High School maximizes the benefits of a small school: a positive, safe, and equitable learning environment where academics, citizenship, character, and well-being are the focus.

Using the Course Calendar

This document is designed to assist you in the process of managing your secondary school studies. It contains a comprehensive list and descriptions of courses and programs offered.

Diploma and Certificate of Achievement requirements as described in Ontario Secondary Schools Grades 9 to 12, 1999, plus Education Policy and Program Update to April 30, 2010 of the Ministry of Education and Training are provided to guide your program planning.

Course selection for your next year of school is very important. Talk with your parents/guardians about your goals. See the guidance counsellor if you are unsure about course selections. Look over the diploma requirements to ensure you are taking the necessary compulsory credits. **It is your responsibility** to ensure you have the requirements necessary for graduation.

School Academic Structure

GHS is a comprehensive school offering courses in a variety of areas of study and at all levels.

Academic	Open
Applied	College
Locally Developed/Workplace	University

The Semester System/School Day

GHS is a semestered school (Semester 1 begins September 3rd, 2025. Semester 2 begins February 2nd, 2026), including five days of exams at the end of each semester. Each day is divided up into five periods. There are four instructional periods of seventy five minutes each with one common lunch of sixty minutes. GHS rotates instructional classes on a weekly basis. See chart.....

	Week 1	Week 2	Week 3	Week 4
8:50 10:05	Class A	Class D	Class B	Class C
10:15 11:30	Class B	Class C	Class A	Class D
11:30 12:30	Lunch	Lunch	Lunch	Lunch
12:30 1:45	Class C	Class B	Class D	Class A
1:55 3:10	Class D	Class A	Class C	Class B

The Requirements for the Ontario Secondary School Diploma (OSSD)

In order to earn the OSSD, a student must:

- Earn 18 compulsory credits
 - Earn 12 optional credits
- 30 total credits**
- Complete 40 hours of community involvement activities
 - Successfully complete the Ontario Secondary School Literacy Test (OSSLT)
 - Earn two online learning credits unless they have opted out or been exempted

Students may complete the 30 (or more) credits over four or more years.

Compulsory Credits (18)

Students must earn the following compulsory credits in order to obtain the OSSD:

- 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 & Physical Education
- .5 credit in Civics
- .5 credit in Career Studies

PLUS

- G1 1 additional credit** in English *or* French as Second Language *or* a Classical *or* an International Language *or* Social Sciences and the Humanities *or* Canadian and World students *or* Guidance and Career Education *or* Cooperative Education
- G2 1 additional credit** in Health and Physical Education *or* the Arts (music, drama, dance, visual arts, media arts) *or* Business Studies *or* French as a Second Language *or* Cooperative Education
- G3 1 additional credit** in Science (Grade 11 or 12) *or* French as a Second Language *or* Computer Studies *or* Cooperative Education

Optional Credits (12)

Students may earn these credits by successfully completing courses that they have selected from those listed in the course calendar. Students must also be aware they must carry a full timetable (8 courses) if they have less than 24 credits – Grades 9, 10, and 11.

Other Graduation Requirements

Community Involvement Activities

Every student is required to complete 40 hours of community involvement activities in order to receive a diploma. Each student in grade 9 will be provided with a “Community Involvement Activities Card” which provides for the record keeping of this requirement. Additional cards can be obtained in the office if required.

The Ontario Secondary School Literacy Test (OSSLT)

All Students must successfully complete this test in order to receive an OSS diploma. Students generally take the test in grade 10. Students who fail the OSSLT will have a second opportunity to write the test. If unsuccessful, students will be encouraged to take the Literacy course offered in Grade 12 (OLC40) to satisfy this requirement. *Accommodations* may be made for students who are receiving program modifications as identified on an Individual Education Plan (IEP). Students may be *deferred* from the test who have been identified as exceptional or who have registered in English as a second language/English literacy development courses and have not yet acquired proficiency in English required for the test. The school Principal may grant a deferral. With parental consent and approval of the Principal, students whose IEP indicates that the student is not working towards the

attainment of an OSS diploma may be exempted from participating in the test.

Online Learning Graduation Requirement

Students are required to earn two online learning credits to graduate from secondary school, beginning with every student who entered Grade 9 in the 2020-21 school year. The graduation requirement is intended to support students in developing familiarity and comfort with learning and working in a fully online environment, as well as developing digital literacy and other important transferable skills that they will need for success after secondary school, including in post-secondary education and the workplace.

Definition of “online learning” for this graduation requirement

- Online learning credits that count towards the requirement are earned through courses that rely primarily on communication between students and educators through the internet or another digital platform.
- Online learning credits that count do not generally require students to be physically present with one another or with their educator in the school, except where required for:
 - examinations and other final evaluations
 - occasional meetings with educators and other school staff, and
 - access to internet connectivity, learning devices, or other supports (for example, guidance, special education and mental health and well-being supports, and required initial assessment and in-person learning for English language learners and students of Actualisation linguistique en français (ALF) or Programme d’appui aux nouveaux arrivants (PANA) at their early stages of language acquisition)
- In online learning courses delivered by schools in the publicly funded education system, coursework is teacher-led.
- Students from the same online class may follow different timetables and be from different schools or school boards.
- Students in publicly funded schools complete their online coursework with the support of a certified Ontario educator with whom they communicate, and who provides instruction, ongoing feedback, assessment, evaluation and

reporting as needed, including implementing any accommodations and/or modifications identified in the student's Individual Education Plan.

In-person courses that use digital learning tools in a physical classroom do not count towards the online graduation requirement, nor do remote learning courses that rely on a minimum requirement for synchronous learning.

There is one exception: **Up to one** secondary school credit that was completed by students who were in Grade 9 during the province-wide school closures (from April 2021 to June 2021) may be counted towards the graduation requirement, in recognition of the extraordinary circumstances of the COVID19 pandemic.

Selection of courses should consider future pathways, the ability and interests of the student to learn in a fully online environment and any potential supports that may be needed. Meeting the online learning graduation requirement should not pose a barrier to graduation for students. As with all learning, students taking online courses will have access to the supports they need through their school, (e.g., guidance, nutrition programs, extra-curricular activities and services for English-language learners). If a student in a publicly funded school has an Individual Education Plan, the plan should be shared, when appropriate, with an educator instructing an online course delivered by another publicly funded school board, with the necessary consent.

Check with your local school if you have questions regarding the registration process.

Parents/guardians may choose to opt their children out of the mandatory online learning credits required for graduation. To opt out, a parent/guardian must submit an opt-out form to the school. Students 18 years of age or older, or who are 16 or 17 years of age and have withdrawn from parental control, can also opt out of the graduation requirement by submitting an opt-out form to the school. School boards must also allow for students and parents/guardians to opt back into the online learning graduation requirement should their decision change. Please contact the school for further information on this process.

The Ontario Secondary School Certificate (OSSC)

This certificate will be granted, upon request, to students who leave school before earning the OSS diploma provided they have earned a minimum of 14 credits as follows:

- Compulsory Credits (7)
 - 2 credits in English
 - 1 credit in Canadian Geography or Canadian History
 - 1 credit in Mathematics
 - 1 credit in Science
 - 1 credit in Health and Physical Education
- 1 credit in the Arts or Technological Education
- Optional Credits (7)

The Certificate of Accomplishment (COA)

Students who leave school before fulfilling requirements for an OSS diploma or an OSS Certificate may be granted a Certificate of Accomplishment.

Credits, Types of Courses, & Course Codes

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

A **prerequisite course** is one that **must** be completed before a student can enrol in the next course in a related subject. All prerequisites are shown with the course descriptions.

In grades 9 – 12, courses are offered at these levels:

Academic courses emphasize theory and abstract problems.

Applied courses focus on practical applications and concrete examples

Open courses prepare students for further study in certain subjects.

College courses prepare students for college entrance.

University courses prepare students for university entrance

Locally Developed/Workplace courses prepare students for the world of work

Course Codes consist of 5 or 6 digits. The first three digits are letters that indicate the course. For example:

CGC 1D

C = Canadian and World Studies

GC = Geography

1 = Grade 9

The fifth digit indicates the level

D = Academic

The 6th digit is an internal code the school uses: ie: **R** = Regular

Other 5th digit codes:

P = Applied

O = Open

C = College

U = University

M = College/University

E/L = Workplace/Locally Developed

Requests for course changes can be made through the Guidance Counsellor with the approval of parent/guardian.

Substitutions for Compulsory Courses

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

replace up to three of these courses (or equivalent in half courses) with courses from the remainder of those that meet the compulsory credit requirements.

However, the sum of compulsory and optional credits will not be less than thirty for students aiming to earn the Ontario Secondary School Diploma and not less than fourteen for those aiming to earn the Ontario Secondary School Certificate. Each substitution will be noted on the student's Ontario Student Transcript.

Attendance Policy

Students are required to attend regularly and punctually in order to perform to their full potential.

Evaluation and Examination Policies

The primary purpose of assessment and evaluation is to *improve student learning*. *Assessment* is the process of gathering information that reflects how well a student is achieving curriculum expectations in a course.

Evaluation is the process of judging the quality of student work and assigning a percentage grade to represent that value. Assessment and Evaluation is based on the provincial curriculum expectation and the four achievement levels.

Level 3 (70 – 79%) is the provincial standard. Evaluation will be diagnostic, formative and summative. It reflects the student's most consistent level of achievement.

70% of the grade is based on course work. 30% of the grade is based on a final evaluation including an examination and/or performance and/or other method of summative evaluation.

Students receive an outline for each course that includes a breakdown for assessment and evaluation.

Additional Information

SHSM Defined

Specialist High Skills Major (SHSM) programs are ministry-approved, specialized, career-focused programs that allow students to acquire technical knowledge and skills in specific economic sectors while meeting the requirements of the Ontario Secondary School Diploma (OSSD).

A school approved to offer a SHSM program will offer the program in all four pathways: apprenticeship training, college, university, and the workplace.

The components of the SHSM as defined in the document are as follows:

- a defined bundle of credits consisting of 8 to 10 Grade 11 and Grade 12 credits, including 2 cooperative education credits;
- certification and training recognized within the sector;
- experiential learning and career exploration activities related to the sector;
- reach-ahead experiences connected to the student's post-secondary plans;
- Essential skills and work habits required in the sector and recorded in the [Ontario Skills Passport \(OSP\)](#).

Students who complete the requirements for the OSSD and for a SHSM will receive an OSSD embossed with a red "Specialist High Skills Major" seal. Credits earned towards a SHSM are indicated on the Provincial Report Card, and completion of a SHSM program is recorded on the Ontario Student Transcript. In addition, students receive a SHSM Record Card outlining their achievement with respect to the five required components, and a copy of that record is filed in the student's Ontario Student Record (OSR).

Students earning the SHSM will be able to make more informed career decisions and ultimately be better prepared for their post-secondary destination of choice. Students who have earned the SHSM can provide evidence of their achievement of sector-recognized certifications and training programs to prospective employers and post-secondary educational or training institutions.

A Specialist High Skills Major (SHSM) is designed to enable students to customize their secondary school

experience with a career focus to suit their interests and talents, and provide specific learning and skills that are advantageous for post-secondary success in all destinations: apprenticeship training, college, university or the workplace. Students who complete the required components will graduate with a SHSM designation on their Ontario Secondary School Diploma (OSSD). GHS is proud to offer our students three SHSM programs allowing them to major in **Construction or Health and Wellness or Hospitality and Tourism**.

Credit Recovery

Credit recovery focuses on the curriculum requirements that occur after the final report card has been issued and the student has failed the course. A credit (or credits) for a course must be recovered within two years from the time a student fails the course. Students are recommended by the Credit Recovery Team for credit recovery.

Dual Credits

Dual Credits give secondary school students the opportunity to sample college courses and gain credit in both secondary school and college. Students take a college credit from a college instructor. When they are successful, they are given a credit at secondary school and are issued a college transcript. The course will be recognized at college if they choose to attend a program for which the course is a requirement. **Also, the course counts towards their secondary school diploma (OSSD)**. Dual credits give students an opportunity to sample post-secondary education, work in college labs, experience a new environment, and build their confidence. Dual Credit Programs are intended to assist "at risk" secondary school students in the completion of their Ontario Secondary School Diploma (OSSD) and successful transition to college and apprenticeship programs.

Current dual credit offerings can be found at:

www.centrallakes.ca

Report Cards

Students at Gravenhurst High School will receive an interim report card early in the semester to provide a general indication of their progress. Parents' Nights are held following the distribution of the interim progress report. Parents are strongly urged to attend. Students will receive a Provincial Report Card at mid-semester and at the end of a semester.

Ontario Student Record (OSR)

The OSR is an official record for students in Ontario schools. Students and parents (if the student is not an adult) may examine the contents of the OSR which are protected by the Education Act and Freedom of Information legislation.

Ontario Student Transcript (OST)

The OST provides a record of a student's overall achievement. It will list all grades 9 – 12 courses attempted by the student as well as confirmation of community involvement and the final result on the secondary school test of reading and writing (OSSLT).

Full Disclosure

Withdrawal from any Grade 11 or 12 courses after a specific time (5 days after midterm report cards are distributed) *will* be recorded on the OST.

Prior Learning Assessment & Recognition (PLAR)

Challenge for Credit

Students may obtain credits towards the secondary school diploma (OSSD) for knowledge and skills that they have acquired outside of secondary school. This prior learning is assessed and evaluated to determine whether the student has met the provincial course expectations. Students may "challenge" a specific course for credit if they can provide evidence indicating a likelihood of success. A student who believes that they possess the full range of knowledge and skills for a Grade 10, 11, or 12 course that is taught in the board, should refer to the "Prior Learning Assessment" brochure for information about the challenge process and the due dates. Brochures are located in the guidance office. The student must be prepared to provide reasonable evidence for success in the challenge process (a combination of the following such as; a portfolio, documentation of related course work, recommendation from a teacher, etc.). Further, the student will be required to demonstrate achievement of the course expectations through formal tests and other

assessment strategies appropriate for the particular course. Students who are successful in the challenge assessment will receive a final percentage grade and a credit for the course. Unsuccessful challenges are reported for grades 11 and 12 courses, as well as being recorded on the Cumulative Record of Prior Learning Assessment and Recognition Challenges.

Special Education

Students identified by the Board as exceptional will be monitored by the Special Education Resource Teacher at the school.

Guidance, Cooperative & Career Education

Information and guidance toward career and post-secondary choices is available in the Guidance Office. Individual assistance with course selection and post-secondary paths is available through an appointment with a guidance counsellor.

A co-op and work experience program is available to students in Grades 11 and 12. Information regarding this program is available from the cooperative education teacher.

Ontario Youth Apprenticeship Program (OYAP)

If you are interested in pursuing a career in a skilled trade and at the same time complete your secondary school diploma requirements, please contact your Cooperative Education Department for details on how to "Learn to Earn" or access www.oyap.com.

OYAP Fast

Focused Apprenticeship Skills Training (FAST) is an accelerated stream within OYAP (OYAP-FAST) that will allow students in Grades 11 & 12 to participate in more apprenticeship learning through additional cooperative education credits while completing their OSSD. This program is available to TLDSB students beginning in September, 2025.

To participate in OYAP-FAST, students must:

- 1) Be OYAP participants
 - Meet the OYAP eligibility requirements (15 years or older, completed 14 credits towards OSSD,

and be enrolled in a secondary school or continuing education program.

- Participate in a cooperative education program with a placement in one of the 144 skilled trades.
 - Have completed an OYAP participant application form (for all students under 18, a parent/guardian must have signed the OYAP participant application form).
- 2) Have parent/guardian consent to participate in OYAP-FAST, by completing this Consent to Participate in OYAP-FAST.
 - 3) Be flagged in school student management system (SMS - PowerSchool)

Completion requirements for OYAP-FAST include:

- 1) Students have earned 8 to 11 cooperative education credits with placement components in the skilled trades.
- 2) Students have registered as apprentices (obtained a registered training agreement) by the time they complete their either cooperative education credit (contingent on the willingness of the employer to sign the student as an apprentice).

Students who complete OYAP-FAST will be awarded the OYAP-FAST seal on their OSSD, and OYAP-FAST will be listed in the Specialized Program field of the Ontario Student Transcript (OST).

***If student has already been granted an OSSD, it cannot be exchanged for an OSSD with the OYAP-FAST seal.*

Post Secondary Pathway Considerations

Students and parents/guardians are encouraged to research post-secondary options before applying to this program. Certain college and university programs might have prerequisite course that would not be easily fulfilled due to timetable constraints when taking the OYAP-FAST program. Students who are in this program should be confident that they will be pursuing the apprenticeship pathway for their post secondary education. They are encouraged to connect with their guidance counselor to discuss post secondary options.

For more information about the apprenticeship pathway and the skilled trades, please visit the Skilled Trades Ontario website.

Virtual Learning Centre (VLC)

Virtual credit courses are available to any resident of the Trillium Lakelands DSB. If you wish to take a course via the VLC, you must have your home school's permission. Please see the GHS Guidance Office.

Summer School

Summer School programs will be available to students currently registered in day school programs in the School District. For details, please contact your Guidance Office for registration information, course offerings and program format in mid-May.

School Support Services & Resources

The Learning Commons (Library), which includes computers for student use is available through the day. Availability of other school resources (computer labs, fitness facilities, academic resource room) must be made through individual departments.

Code of Conduct - Student Responsibility

All students will be provided with a copy of the Student Code of Behaviour during the first weeks of school. Information regarding student responsibilities and school expectations are outlined in this brochure. At GHS, it is expected that students work hard at their studies to develop their full potential. Students are responsible for their attitudes and actions which should be positive, supportive and respectful.

Student Activity Fee

The \$25.00 Student Activity Fee is mandatory and is collected the first week of school. It includes the following:

- Student card (allows for discounts and participation in school activities)

GHS Honour Roll

Honour Roll is calculated from September to June (regular school), and July and August (summer school) marks.

Students who achieve the following standing will earn Honour Roll status:

- Grades 9 & 10:** overall average of 80% in 8 courses
- Grade 11:** overall average of 80% in 7 courses
- Grade 12:** overall average of 80% in 6 courses

COURSES OF STUDY

(Academic, Applied and Locally Developed/Workplace Pathways)

GRADE 9	GRADE 10	GRADE 11	GRADE 12
All grade 9 students will take eight courses	All grade 10 students will take eight courses	All grade 11 students will take eight courses	Check Diploma requirements on page 1 of this booklet
<input checked="" type="checkbox"/> English <input checked="" type="checkbox"/> Mathematics <input checked="" type="checkbox"/> Science <input checked="" type="checkbox"/> Canadian Geography <input checked="" type="checkbox"/> French <input checked="" type="checkbox"/> Healthy Active Living <input checked="" type="checkbox"/> Plus 2 Optional courses	<input checked="" type="checkbox"/> English <input checked="" type="checkbox"/> Mathematics <input checked="" type="checkbox"/> Science <input checked="" type="checkbox"/> History <input checked="" type="checkbox"/> Careers (0.5 credit) <input checked="" type="checkbox"/> Civics (0.5 credit) <input checked="" type="checkbox"/> Plus 3 Optional courses	<input checked="" type="checkbox"/> English <input checked="" type="checkbox"/> One Mathematics in Grade 11 or 12 <input checked="" type="checkbox"/> G1 : 1 additional Credit in English <i>or</i> French as a Second Language <i>or</i> a Native Language <i>or</i> a Classical <i>or</i> an International Language <i>or</i> Canadian and World Studies <i>or</i> Guidance and Career Education <i>or</i> Cooperative Education. <input checked="" type="checkbox"/> G2 : 1 additional Credit in Health and Physical Education <i>or</i> The Arts <i>or</i> Business Studies <i>or</i> French as a Second Language <i>or</i> Cooperative Education <input checked="" type="checkbox"/> G3 : 1 additional Credit in Science (Grade 11 or 12) <i>or</i> Technological Education <i>or</i> French as a Second Language <i>or</i> Computer Studies <i>or</i> Cooperative Education <input checked="" type="checkbox"/> Plus 3 optional courses to choose from, for a total of eight courses	<input checked="" type="checkbox"/> English <input checked="" type="checkbox"/> One Mathematics in Grade 11 or 12 <input checked="" type="checkbox"/> G1, G2 or G3 <input checked="" type="checkbox"/> Any optional credits to ensure 30 credits for diploma
All grade 9 students in locally developed will take eight courses	All grade 10 students in locally developed will take eight courses		
<input checked="" type="checkbox"/> English <input checked="" type="checkbox"/> Mathematics <input checked="" type="checkbox"/> French <i>or</i> Learning Strategies <input checked="" type="checkbox"/> Geography <input checked="" type="checkbox"/> Healthy Active Living <input checked="" type="checkbox"/> Science <input checked="" type="checkbox"/> Plus 2 optional courses	<input checked="" type="checkbox"/> English <input checked="" type="checkbox"/> Mathematics <input checked="" type="checkbox"/> Science <input checked="" type="checkbox"/> Careers (0.5 credit) <input checked="" type="checkbox"/> Civics (0.5 credit) <input checked="" type="checkbox"/> Plus 4 optional courses		

All students should check that they have fulfilled their extra compulsory credits as listed in the Diploma Requirements.

ARTS

Grade 9 Dramatic Arts (Open)

COURSE CODE: ADA10

PREREQUISITE: None

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

Grade 10 Dramatic Arts (Open)

COURSE CODE: ADA20

PREREQUISITE: None

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

Grade 11 Dramatic Arts (University/College)

COURSE CODE: ADA3M

PREREQUISITE: None

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

Grade 12 Dramatic Arts (University/College)

COURSE CODE: ADA4M

PREREQUISITE: ADA30 or ADA3M

This course requires students to experiment individually and collaboratively with forms and conventions of both drama and theatre from various cultures and time periods. Students will interpret dramatic literature and other texts and media sources while learning about various theories of directing and acting. Students will examine the significance of dramatic arts in various cultures, and will analyze how the knowledge and skills developed in drama are related to their personal skills, social awareness, and goals beyond secondary school.

Grade 9 Music – Band (Open)

COURSE CODE: AMU10

PREREQUISITE: None

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

Grade 10 Music - Band (Open)

COURSE CODE: AMU20

PREREQUISITE: AMU10 recommended

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.

Grade 11 Music – Band (University/College)

COURSE CODE: AMU3M

PREREQUISITE: AMU10 or AMU20

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

Grade 12 Music – Band (University/College)

COURSE CODE: AMU4M

PREREQUISITE: AMU30 or AMU3M

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

Grade 10 Music - Vocal (Open)

COURSE CODE: AMV20

PREREQUISITE: None

This course develops students' artistic knowledge and skills through the performance of music and the preparation of music productions. Students will perform appropriate works, particularly works in contemporary popular styles. Independently and in groups, they will also plan, market, and produce a music production, making use of appropriate technology, and will evaluate the results.

Grade 11 Music - Vocal (Open)

COURSE CODE: AMV3M

PREREQUISITE: AMU10/20 or AMV20

This course develops students' artistic knowledge and skills through the performance of music and the preparation of music productions. Students will perform appropriate works, particularly works in contemporary popular styles. Independently and in groups, they will also plan, market, and produce a music production, making use of appropriate technology, and will evaluate the results.

Grade 12 Music - Vocal (University/College)

COURSE CODE: AMV4M

PREREQUISITE: AMV2/30

This course develops students' artistic knowledge and skills through the performance of music and the preparation of music productions. Students will perform appropriate works, particularly works in contemporary popular styles. Independently and in groups, they will also plan, market, and produce a music production, making use of appropriate technology, and will evaluate the results.

Grade 10 Music – Guitar (Open)

COURSE CODE: AMG20

PREREQUISITE: None

This course teaches the fundamentals of performance appropriate to students who are new to the guitar while providing opportunities for those who already have some skill. 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 analyze music from various genres and periods and they will develop skills transferable to other aspects of their life and their careers.

Grade 11 Music – Guitar (Open)

COURSE CODE: AMG30

PREREQUISITE:

None

This course teaches the fundamentals of performance appropriate to students who are new to the guitar while providing opportunities for those who already have some skill. 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 analyze music from various genres and periods and they will develop skills transferable to other aspects of their life and their careers.

Grade 12 Music – Guitar (University/College)

COURSE CODE: AMG4M

PREREQUISITE: AMG30

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

Music Certificates Accepted for Credits

1. A student who has successfully completed the requirements for one of the following may count a maximum of one non-Grade 12 university/college preparation credit towards the OSSD in addition to any other non-Grade 12 university/college preparation music credits earned in the school:
 - Grade VII Practical and Grade I Rudiments of the Royal Conservatory of Music, Toronto
 - Grade VII Practical and Grade III Theory of Conservatory Canada, London
2. A student who has successfully completed the requirements for one of the following may count a maximum of one Grade 12 university/college preparation credits towards the OSSD in addition to a maximum of one other Grade 12 university/college preparation credit in music earned in the school:
 - Grade VIII Practical and Grade II Rudiments of the Royal Conservatory of Music, Toronto
 - Grade VIII Practical and Grade IV Theory of Conservatory Canada, London

Grade 9 Visual Arts (Open)

COURSE CODE: AVI10

PREREQUISITE: None

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.

Grade 10 Visual Arts (Open)

COURSE CODE: AVI2O

PREREQUISITE: None

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.

Grade 11 Visual Arts (University/College)

COURSE CODE: AVI3M

PREREQUISITE: AVI10 or AVI2O

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

Grade 12 Visual Arts (University/College)

COURSE CODE: AVI4M

PREREQUISITE: AVI3O

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

Grade 11 Visual Arts – Ceramics (Open)

COURSE CODE: AWC3O

PREREQUISITE: None

This course focuses on the studio activities in hand building techniques with clay. Students will acquire skills to create both functional and non-functional ceramic sculpture that explores a wide range of subject matter and themes. They will also study basic design theory as well as the history of ceramics from around the world including Canada.

Grade 12 Visual Arts – Ceramics (Open)

COURSE CODE: AWC4M

PREREQUISITE: AWC3O

This course focuses on the studio activities in hand building techniques with clay. Students will acquire skills to create both functional and non-functional ceramic sculpture that explores a wide range of subject matter and themes. They will also study basic design theory as well as the history of ceramics from around the world including Canada.

BUSINESS AND TECHNOLOGY

Grade 11 Entrepreneurship: The Venture (College)

COURSE CODE: BDI3C

PREREQUISITE: None

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

TECHNOLOGY AND COMPUTER STUDIES

Grade 9 Technology and the Skilled Trades (Open)

COURSE CODE: TAS10

PREREQUISITE: None

This hands-on course enables students to further explore the engineering design process and develop other technological knowledge and skills introduced in earlier grades. Students will design and safely create prototypes, products, and/or services, working with tools and technologies from various industries. As students develop their projects to address real-life problems, they will apply technological concepts such as precision measurement, as well as health and safety standards. Students will begin to explore job skills programs and education and training pathways, including skilled trades, that can lead to a variety of careers.

Grade 10 Transportation Technology (Open)

COURSE CODE: TTJ20

PREREQUISITE: None

This course introduces students to the service and maintenance of vehicles, aircraft, and/or watercraft. Students will develop knowledge and skills related to the construction and operation of vehicle/craft systems and learn maintenance and repair techniques. Student projects may include the construction of a self-propelled vehicle or craft, engine service, tire/wheel service, electrical/battery service, and proper body care. Students will develop an awareness of related environmental and societal issues and will explore secondary and post-secondary pathways leading to careers in the transportation industry. Students will engage in small engines, Qrc and oxy acetylene, MIG welding, mechanical principles, metal fabrication and minor car repairs & maintenance.

Grade 11 Transportation Technology (College)

COURSE CODE: TTJ3C

PREREQUISITE: Recommended TTJ20

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

Grade 12 Transportation Technology (College)

COURSE CODE: TTJ4C

PREREQUISITE: TTJ3C

This course enables students to further develop technical knowledge and skills as they study, test, service, and repair engine management systems; power trains; steering/control, suspension, brake and body systems on vehicles, aircraft,

and/or watercraft; and /or small engine products. Students will refine communication and teamwork skills through practical tasks, using a variety of tools and equipment. Students will expand their awareness of environmental and societal issues related to transportation and their knowledge of apprenticeship and college programs leading to careers in the transportation industry.

Grade 10 Construction Technology (Open)

COURSE CODE: TCJ20

PREREQUISITE: Recommended TIJ10

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. Students will use a variety of hand and power tools and apply knowledge of imperial and metric systems of measurement, as appropriate. Students will develop an awareness of environmental and societal issues related to construction technology, and will explore secondary and post-secondary pathways leading to careers in the industry. Students will engage in designing, drafting and completing woodworking projects.

Grade 11 Construction Technology (College)

COURSE CODE: TCJ3C

PREREQUISITE: None

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

Grade 12 Construction Technology (College)

COURSE CODE: TCJ4C

PREREQUISITE: TCJ3CW

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

Grade 11 Manufacturing Technology (College)

COURSE CODE: TMJ3C

PREREQUISITE: None

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

Grade 12 Manufacturing Technology (College)

COURSE CODE: TMJ4C

PREREQUISITE: TMJ3C

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

Grade 11 Custom Woodworking (Workplace)

COURSE CODE: TWJ3E

PREREQUISITE: Recommended TCJ2O

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

Grade 12 Custom Woodworking (Workplace)

COURSE CODE: TWJ4E

PREREQUISITE: TWJ3E

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

Grade 10 Communication Technology (Open)

COURSE CODE: TGJ2O

PREREQUISITE: None

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

Grade 11 Communications Technology (University/College)

COURSE CODE: TGJ3M

PREREQUISITE: None

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 include video, and movie production; radio and audio production; print and graphic communications; photography; digital imaging; broadcast journalism; and interactive new media. Students will also develop an awareness of related environmental and societal issues and explore college and university programs and career opportunities in the various communications technology fields.

Grade 12 Communications Technology: Yearbook (University/College)

COURSE CODE: TGJ4M

PREREQUISITE: Recommended TGJ3M

This course enables students to further develop media knowledge and skills while designing and producing projects in the areas of graphic communication. Students will work in the area of print and graphic communications; photography; digital imaging; broadcast journalism; and interactive news media. Students will also have the opportunity to put into practice business skills of marketing, the sales process and accounting through the sale of yearbook advertisements to the general public. 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.

Grade 10 Hospitality & Tourism (Open)

COURSE CODE: TFJ2O

PREREQUISITE: None

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

Grade 11 Hospitality & Tourism (College)

COURSE CODE: TFJ3C

PREREQUISITE: None

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

Grade 12 Hospitality & Tourism (College)

COURSE CODE: TFJ4C

PREREQUISITE: TFJ3E/3C

This course enables students to further develop knowledge and skills related to the various sectors of the tourism industry. Students will demonstrate advanced food preparation and presentation skills; increase health and wellness knowledge; develop tourism administration and management skills; design and implement a variety of events or activities; and investigate principles and procedures that contribute to high-quality customer service. Students will expand their awareness of health and safety issues, environmental and societal issues, and career opportunities in the tourism industry.

Grade 12 Hospitality & Tourism: Baking and Pastry (Workplace)

COURSE CODE: TFB4E

PREREQUISITE: TFJ3E/3C

This course enables students to further develop knowledge and skills related to the various sectors of the tourism industry. Students will demonstrate advanced food preparation and presentation skills with a focus on baking; increase health and wellness knowledge; develop tourism administration and management skills; design and implement a variety of events or activities; and investigate principles and procedures that contribute to high-quality customer service. Students will expand their awareness of health and safety issues, environmental and societal issues, and career opportunities in the baking, pastry and tourism industries.

CANADIAN AND WORLD STUDIES (CAWS)

Grade 9 Issues in Canadian Geography (Destreamed)

COURSE CODE: CGC1W

PREREQUISITE: None

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

investigate various geographic issues and to develop possible approaches for making Canada a more sustainable place to live.

Grade 10 Can. Hist. since World War 1 (Academic)

COURSE CODE: CHC2D

PREREQUISITE: None

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

Grade 10 Can. Hist. since World War 1 (Applied)

COURSE CODE: CHC2P

PREREQUISITE: None

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

Grade 10 Canadian History (Locally Developed)

COURSE CODE: CHC2L

PREREQUISITE: None

This course focuses on the connections between the student and key people, events, and themes in Canadian history from World War 1 to the present. Students prepare for the Grades 11 and 12 Workplace Preparation history courses through the development and extension of historical literacy and inquiry skills. Students explore a variety of topics highlighting individuals and events that have contributed to the story of Canada. The major themes of Canadian identity, internal and external relationships, and changes since 1914, are explored through guided investigation. Students have the opportunity to extend analytical skills with a focus on identifying and interpreting events and perspectives and making connections. Students practise reading, writing, visual and oral literacy skills, and mathematical literacy skills to identify and communicate ideas in a variety of forms.

Grade 10 Civics & Citizenship (Open)

COURSE CODE: CHV2O – *half credit*

PREREQUISITE: None

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.

Grade 11 Introduction to Anthropology, Psychology & Sociology (College)

COURSE CODE: HSP3C

PREREQUISITE: None

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.

Grade 11 Introduction to Anthropology, Psychology & Sociology (University)

COURSE CODE: HSP3U

PREREQUISITE: None

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.

Grade 11 Travel and Tourism: A Geographic Perspective (Open)

COURSE CODE: CGG30

PREREQUISITE: CGC1W

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

Grade 12 Legal Studies (University)

COURSE CODE: CLN4UR

PREREQUISITE: None

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.

Grade 12 Legal Studies (College)

COURSE CODE: CLN4CR

PREREQUISITE: None

This course provides a foundation for students who wish to pursue a career that requires an understanding of law. Students will explore the importance of law, analyzing contemporary legal issues and their relevance to daily life. They will investigate the requirements for various law-related careers as well as legal responsibilities in the workplace. Students will apply the concepts of legal thinking and the legal studies inquiry process to investigate their rights and responsibilities, legal processes and structures, and the role of law in a changing society.

Grade 12 World Issues: A Geographic Analysis (University)

COURSE CODE: CGW4U

PREREQUISITE: Any Univ/Coll in CAWS, English, Social Sciences and Humanities

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 analyse 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.

Grade 12 World Issues: A Geographic Analysis (College)

COURSE CODE: CGW4C

PREREQUISITE: Any Univ/Coll in CAWS, English, Social Sciences and Humanities

This course explores the 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.

ENGLISH

Grade 9 English (Destreamed)

COURSE CODE: ENL1W

PREREQUISITE: None

This course enables students to continue to develop and consolidate the foundational knowledge and skills that they need for reading, writing, and oral and visual communication. Throughout the course, students will continue to enhance their media literacy and critical literacy skills, and to develop and apply transferable skills, including digital literacy. Students will also make connections to their lived experiences and to society and increase their understanding of the importance of language and literacy across the curriculum.

Grade 9 English (Locally Developed)

COURSE CODE: ENG1L

PREREQUISITE: None

This course provides foundational literacy and communication skills to prepare students for success in their daily lives, in secondary school and in the world of work. The focus is on developing strategies for learning and on using language clearly and accurately in a variety of workplace contexts. Students read and respond to a variety of high-interest reading materials. The course is intended to prepare students for the Grade 10 Workplace English course which leads to workplace preparation courses in grades 11 and 12.

Grade 10 English (Academic)

COURSE CODE: ENG2D

PREREQUISITE: ENL1W or ENG1P

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.

Grade 10 English (Applied)

COURSE CODE: ENG2P

PREREQUISITE: ENL1W or ENG1P

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.

Grade 10 English (Locally Developed)

COURSE CODE: ENG2L

PREREQUISITE: ENG1P or ENG1L

In this course, students focus on extending 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. The focus is on refining foundational literacy skills and in using language clearly and accurately in a variety of authentic situations. This course is intended to prepare students for the grade 11 workplace preparation course.

Grade 11 English (Workplace)

COURSE CODE: ENG3E

PREREQUISITE: ENG2P or ENG2L

This course emphasizes the development of literary, communication, and critical and creative thinking skills necessary for success in the workplace and in daily life. Students will study the content, form, and style of a variety of contemporary informational, graphic, and literary texts; and create oral, written, and media texts in a variety of forms for practical purposes. An important focus will be on using language clearly and accurately in a variety of formal and informal contexts. The course is intended to prepare students for the compulsory grade 12 workplace preparation course.

Grade 11 English: Understanding Contemporary First Nations, Metis, and Inuit Voices (College)

COURSE CODE: NBE3C

PREREQUISITE: ENG2P or ENG2D

This course explores themes, forms, and styles 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.

Grade 11 English: Understanding Contemporary First Nations, Metis, and Inuit Voices (University)

COURSE CODE: NBE3U

PREREQUISITE: ENG2D

This course explores 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.

Grade 12 English (University)

COURSE CODE: ENG4U

PREREQUISITE: ENG3U

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

Grade 12 English (College)

COURSE CODE: ENG4C

PREREQUISITE: ENG3C

This course emphasizes the consolidation of literacy, communication, and critical and creative thinking skills necessary for success in academic and daily life. Students will analyze a variety of informational and graphic texts, as well as literary texts from various countries and cultures, and create oral, written, and media texts in a variety of forms for practical and academic purposes. An important focus will be on using language with precision and clarity and developing greater control in writing. The course is intended to prepare students for college or the workplace.

Grade 12 English (Workplace)

COURSE CODE: ENG4E

PREREQUISITE: ENG3E

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

Grade 12 Ontario Literacy Course (Open)

COURSE CODE: OLC4O

PREREQUISITE: Students who have been eligible to write the OSSLT at least twice and who have been unsuccessful at least once.

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 will read a variety of informational, narrative, and graphic texts, and will produce a variety of forms of writing. Successful completion of the course will satisfy the provincial literacy requirement for graduation and serve as one credit which can be used to meet either the grade 12 English compulsory credit requirement or the Group 1 additional compulsory credit requirement. Note that this course does *not* meet the Grade 12 college entrance English requirement.

FRENCH

Grade 9 Core French (Academic)

COURSE CODE: FSF1D

PREREQUISITE: Minimum of 600 hours of elementary Core French instruction or equivalent

This course provides opportunities for students to communicate and interact in French with increasing independence with a focus on familiar topics related to their daily lives. Students will continue to develop language knowledge and skills by using language-learning strategies introduced in the elementary Core French program, and will apply creative

and critical thinking skills in various ways. They will also enhance their understanding and appreciation of diverse French-speaking communities, and will develop the skills necessary to become life-long language learners.

Grade 10 Core French (Academic)

COURSE CODE: FSF2D

PREREQUISITE: FSF1D or FSF1P

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

Grade 11 Core French (University)

COURSE CODE: FSF3U

PREREQUISITE: FSF2D

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

Grade 12 Core French (University)

COURSE CODE: FSF4U

PREREQUISITE: FSF3U

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

MOHAWK

Grade 9 Mohawk (Open)

COURSE CODE: LNMAO

PREREQUISITE: None

This course is open to the entire student body and will allow students who have no prior Native language experience to develop an appreciation for a Native language and culture, to explore and experience a unique worldview, and to learn to speak a Native language. Students will use the language being studied for greetings and daily routines, become familiar with its writing and sound system, and practise basic vocabulary and phrases. Students will also use information technology during course-related activities.

GUIDANCE AND CAREER EDUCATION

Grade 9 Learning Strategies (Open)

COURSE CODE: GLS10

PREREQUISITE: None

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.

Grade 10 Learning Strategies (Open)

COURSE CODE: GLE20

PREREQUISITE: None

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.

Grade 10 Career Studies (Open)

COURSE CODE: GLC2O 0.5 credit

PREREQUISITE: None

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

Grade 11 Cooperative Education: Designing Your Future (Open)

COURSE CODE: GWL3O 1, 2 or 4 credits

PREREQUISITE: None

This course prepares students to make successful transitions to post-secondary destinations as they investigate specific post-secondary options based on their skills, interests, and personal characteristics. Students will explore the realities and opportunities of the workplace and examine factors that affect success, while refining their job search and employable skills. Students will expand their portfolios with a focus on their targeted destination and develop an action plan for future success.

Grade 12 Cooperative Education: Navigating the Workplace (Open)

COURSE CODE: GLN4O 1, 2 or 4 credits

PREREQUISITE: None

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

HEALTH AND PHYSICAL EDUCATION

Grade 9 Healthy Active Living Education (Open)

COURSE CODE: PPL1OM – Male or PPL1OF – Female

PREREQUISITE: None

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.

Grade 10 Healthy Active Living Education (Open)

COURSE CODE: PPL2OM – Male or PPL2OF – Female

PREREQUISITE: None

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.

Grade 10 Personal & Fitness Activities (Co-Ed Open)

COURSE CODE: PAF2O

PREREQUISITE: None

This course emphasizes regular participation in a variety of enjoyable physical activities that promote the four components of physical fitness; muscular strength, muscular endurance, flexibility and cardiovascular endurance. Student learning will focus on participation in a variety of activities that enhance personal competence, fitness and health, examination of issues related to healthy eating, body image, and substance use and abuse; and the use of informed decision-making, and social skills in making personal choices.

Grade 10 Healthy Living and Large Group Activities - Focus on Volleyball games (Open)

COURSE CODE: PAL2O

PREREQUISITE: None

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 volleyball style games, 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.

Grade 11 Personal & Fitness Activities (Open)

COURSE CODE: PAF3OR (Co-Ed)

PREREQUISITE: None

This course emphasizes regular participation in a variety of enjoyable physical activities that promote four components of physical fitness: muscular strength, muscular endurance, flexibility, and cardiovascular endurance that have the potential to engage students' interest throughout their lives. Student learning will focus on participation in a variety of activities

that enhance personal competence, fitness and health; examination of issues related to healthy sexuality, personal safety, mental health; and the use of informed decision making in setting goals and stress management.

Grade 11 Healthy Active Living Education (Open)

COURSE CODE: PPL3OR (Co-Ed)

PREREQUISITE: None

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 volleyball style games 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.

Grade 11 Healthy Living and Large Group Activities (Open)

COURSE CODE: PAL3OR (Co-Ed)

PREREQUISITE: None

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.

Grade 12 Personal & Fitness Activities (Open)

COURSE CODE: PAF4OR (Co-Ed)

PREREQUISITE: None

This course emphasizes regular participation in a variety of enjoyable physical activities that promote four components of physical fitness: muscular strength, muscular endurance, flexibility, and cardiovascular endurance that have the potential to engage students' interest throughout their lives. Students will develop and implement personal physical fitness plans.

In addition, they will be given opportunities to refine their decision-making, conflict-resolution, and interpersonal skills, with a view to enhancing their mental health and their relationships with others.

Grade 12 Healthy Active Living Education (Open)

COURSE CODE: PPL40

PREREQUISITE: None

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.

Grade 12 Healthy Living and Large Group Activities (Open)

COURSE CODE: PAL40

PREREQUISITE: None

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 volleyball style games 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.

Grade 12 Introduction to Kinesiology (University)

COURSE CODE: PSK4U

PREREQUISITE: Any Grade 11 University or University/College preparation course in Science, or any Grade 11 or 12 open course in Health and Physical Education.

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

FAMILY STUDIES

NOTE: HOSPITALITY "FOODS" COURSES ARE IN THE TECHNOLOGY AND COMPUTER STUDIES SECTION

Grade 11 Raising Healthy Children (Open)

COURSE CODE: HPC30

PREREQUISITE: None

This course focuses on the skills and knowledge parents, guardians, and caregivers need with particular emphasis on maternal health, pregnancy, birth, and the early years of human development (birth to six years old). Through study and practical experience, students will learn how to meet the developmental needs of young children, communicate with

them, and effectively guide their early behaviour. Students will develop their research skills through investigations related to caregiving and child rearing.

MATHEMATICS

Grade 9 Mathematics (Destreamed)

COURSE CODE: MTH1W

PREREQUISITE: None

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.

Grade 9 Mathematics (Locally Developed)

COURSE CODE: MAT1L

PREREQUISITE: None

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

Grade 10 Principles of Mathematics (Academic)

COURSE CODE: MPM2D

PREREQUISITE: MTH1W

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

Grade 10 Foundations of Mathematics (Applied)

COURSE CODE: MFM2P

PREREQUISITE: MTH1W

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 relationships. Students will investigate similar triangles, the trigonometry of right-angled triangles, and the measurement of three-dimensional figures. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

Grade 10 Mathematics (Locally Developed)

COURSE CODE: MAT2L

PREREQUISITE: MAT1L or MTH1W

This course emphasizes the extension of mathematical knowledge and skills to prepare students for success in their

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

Grade 11 Functions (University)

COURSE CODE: MCR3U

PREREQUISITE: MPM2D

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

Grade 11 Foundations for College Mathematics (College)

COURSE CODE: MBF3C

PREREQUISITE: MFM2P or MPM2D

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 and develop their ability to reason by collecting, analyzing and evaluating data involving one and two variables. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

Grade 11 Mathematics for Work & Everyday Life (Workplace)

COURSE CODE: MEL3E

PREREQUISITE: MAT2L

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.

Grade 12 Advanced Functions (University)

COURSE CODE: MHF4U

PREREQUISITE: MCR3U

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

Grade 12 Calculus & Vectors (University)

COURSE CODE: MCV4U

PREREQUISITE: MHF4U *must be taken prior to or concurrently with Calculus and Vectors*

This course builds on students' previous experience with functions and their developing understanding of rates of change. Students will solve problems involving geometric and algebraic representations of vectors and representations of lines and planes in three-dimensional space; broaden their understanding of rates of change to include the derivatives of polynomial, rational, exponential and sinusoidal functions; and apply these concepts and skills to the modelling of real-world relationships. Students will also refine their use of the mathematical processes necessary for

success in senior mathematics. This course is intended for students who choose to pursue careers in fields such as mathematics, 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.

Grade 12 Foundations for College Mathematics (College)

COURSE CODE: MAP4C

PREREQUISITE: MBF3CR or MCR3U

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.

Grade 12 Mathematics for Work & Everyday Life (Workplace)

COURSE CODE: MEL4E

PREREQUISITE: MEL3E

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.

SCIENCE

Grade 9 Science (Destreamed)

COURSE CODE: SNC1W

PREREQUISITE: None

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.

Grade 9 Science (Locally Developed)

COURSE CODE: SNC1L

PREREQUISITE: None

This course emphasizes, reinforces and strengthens science-related knowledge and skills, including scientific inquiry, critical thinking and the relationship between science, society and the environment, to prepare students for success in everyday life, in the workplace and in future Science courses.

Grade 10 Science (Academic)

COURSE CODE: SNC2D

PREREQUISITE: SNC1W

This course enables students to enhance their understanding of concepts in biology, chemistry, earth and space science and physics, and the interrelationships between science, technology, society, and the environment. Students are also given opportunities to further develop their 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.

Grade 10 Science (Applied)

COURSE CODE: SNC2P

PREREQUISITE: SNC1W

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.

Grade 10 Science (Locally Developed)

COURSE CODE: SNC2L

PREREQUISITE: SNC1L

This course emphasizes reinforcing and strengthening science-related knowledge and skills, including scientific inquiry, critical thinking, and the environmental impact of science and technology, to prepare students for success in everyday life, in the workplace, and in the Grade 11 Science Workplace Preparation course. Students explore a range of topics including science in media, interactions of common materials, interdependence of organisms in communities, and using electrical energy. Students have the opportunity to extend mathematical and scientific process skills and to continue developing their skills in reading, writing, and oral language through relevant and practical science activities.

Grade 11 Biology (University)

COURSE CODE: SBI3U

PREREQUISITE: SNC2D

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 functions of plants. The course focuses on the theoretical aspects of the topics under study, and helps students refine skills related to scientific investigation. *Check the table entitled "UNIVERSITY SCIENCE COURSES AT A GLANCE" at the end of this section before making course selections.*

Grade 11 Biology (College)

COURSE CODE: SBI3C

PREREQUISITE: SNC2D or SNC2P

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. *Check the table entitled "COLLEGE SCIENCE COURSES AT A GLANCE" at the end of this section before making course selections.*

Grade 11 Environmental Science (Workplace)

COURSE CODE: SVN3E

PREREQUISITE: SNC1L/P/D

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.

Grade 12 Health Sciences (Univ/Coll)

COURSE CODE: SNC4M

PREREQUISITE: SNC2D or any Grade 11 Univ/Coll Science

This course enables students, including those pursuing postsecondary programs outside the sciences, to increase their understanding of science and contemporary social and environmental issues in health-related fields. Students will

explore a variety of medical technologies, pathogens and disease, nutritional science, public health issues, and biotechnology. The course focuses on the theoretical aspects of the topics under study and helps refine students' scientific investigation skills.

Grade 12 Biology (University)

COURSE CODE: SBI4U

PREREQUISITE: SBI3U

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. *Check the table entitled "UNIVERSITY SCIENCE COURSES AT A GLANCE" before making course selections.*

Grade 12 Chemistry (College)

COURSE CODE: SCH4C

PREREQUISITE: SNC2D or SNC2P

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. *Check the table entitled "COLLEGE SCIENCE COURSES AT A GLANCE" at the end of this section before making course selections.*

Grade 11 Physics (University)

COURSE CODE: SPH3U

PREREQUISITE: SNC2D

This course develops students' understanding of the basic concepts of physics. Students will explore kinematics, with an emphasis on linear motion; different kinds of forces; energy transformations; the properties of mechanical waves and sound; and electricity and magnetism. They will enhance their scientific investigation skills as they test laws of physics. In addition, they will analyse the interrelationships between physics and technology, and consider the impact of technological applications of physics on society and the environment. *Check the table entitled "UNIVERSITY SCIENCE COURSES AT A GLANCE" at the end of this section before making course selections.*

Grade 12 Physics (University)

COURSE CODE: SPH4U

PREREQUISITE: SPH3U

This course enables students to deepen their understanding of physics concepts and theories. Students will continue their exploration of energy transformations and the forces that affect motion, and will investigate electrical, gravitational, and magnetic fields and electromagnetic radiation. Students will also explore the wave nature of light, quantum mechanics, and special relativity. They will further develop their scientific investigation skills, learning, for example, how to analyze, qualitatively and quantitatively, data related to a variety of physics concepts and principles. Students will also consider the impact of technological applications of physics on society and the environment. *Check the table entitled "UNIVERSITY SCIENCE COURSES AT A GLANCE" at the end of this section before making course selections.*

Grade 12 Physics (College)

COURSE CODE: SPH4C

PREREQUISITE: SNC2D or SNC2P

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. *Check the table entitled*

“COLLEGE SCIENCE COURSES AT A GLANCE” at the end of this section before making course selections.

University Science Courses at a Glance

1. Year 3 students who need chemistry must take SCH3U in Semester 1 and SCH4U in Semester 2 of 2022-2023.
2. In 2023-2024, students who need physics must take SPH3U in Semester 1 and SPH4U in Semester 2.

	2024-2025	2025-2026	2026-2027	2027-2028
Biology	SBI3U Sem 1 or 2 SBI4U Sem 1 or 2	SBI3U Sem 1 or 2 SBI4U Sem 1 or 2	SBI3U Sem 1 or 2 SBI4U Sem 1 or 2	SBI3U Sem 1 or 2 SBI4U Sem 1 or 2
Chemistry	SCH3U Sem 1 SCH4U Sem 2		SCH3U Sem 1 SCH4U Sem 1	
Physics		SPH3U Sem 1 SPH4U Sem 2		SPH3U Sem 1 SPH4U Sem 2
Health Sciences	SNC4M Sem 1 or 2	SNC4M Sem 1 or 2	SNC4M Sem 1 or 2	

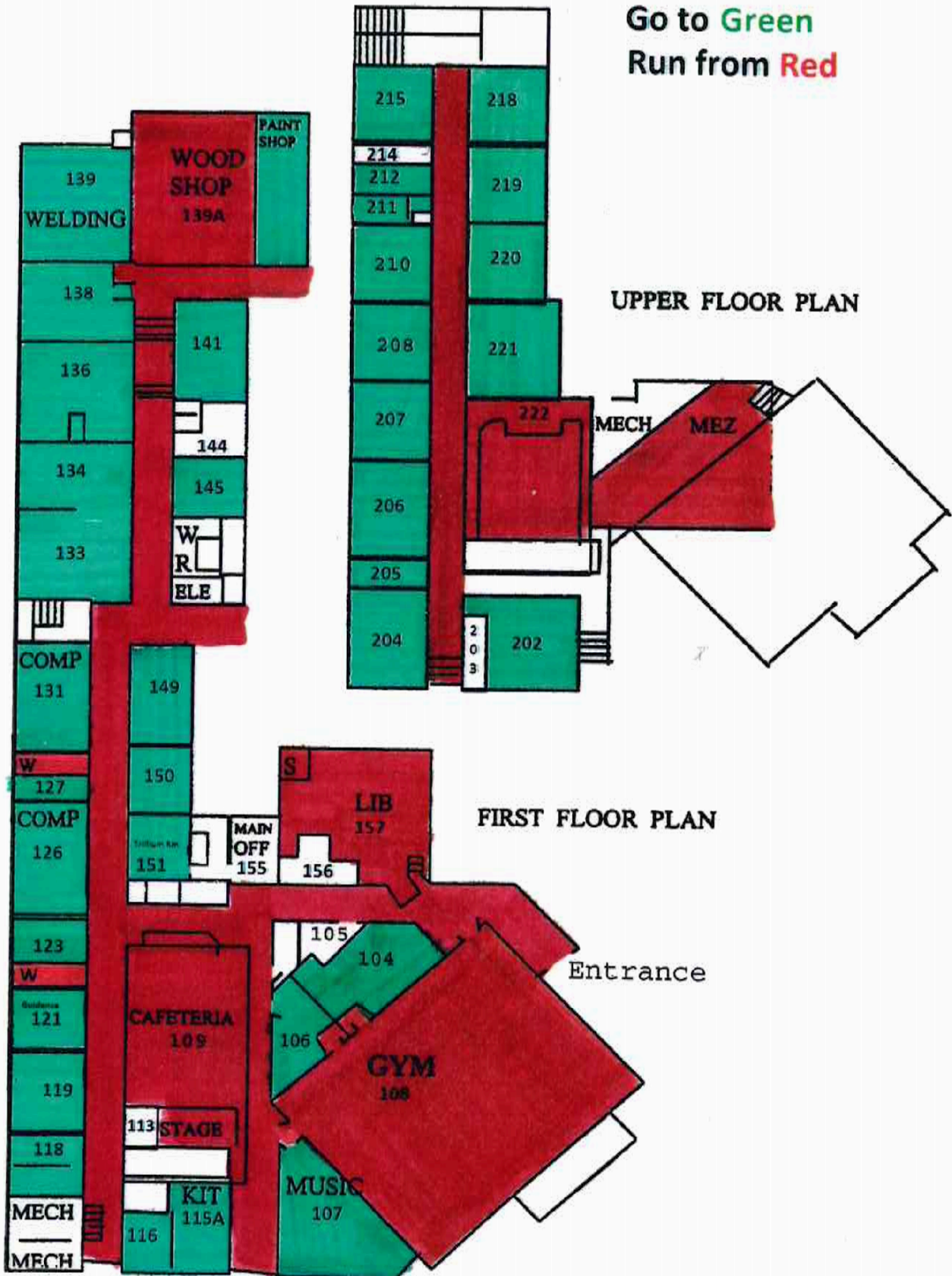
College Science Courses at a Glance

1. Year 3 students can choose both Year 3 and Year 4 college courses.
2. Year 3 students, who need College BIOLOGY, must choose it in 2024-2025.

	2024-2025	2025-2026	2026-2027	2027-2028
Biology	Gr. 11 (SBI 3C)	Gr. 11 (SBI 3C)	Gr. 11 (SBI 3C)	
Chemistry		Gr.12 (SCH4C)		Gr.12 (SCH 4C)
Physics	Gr. 12 (SPH4C)	Gr. 12 (SPH4C)	Gr. 12 (SPH4C)	

Gravenhurst High School

Go to **Green**
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OSS Diploma Required Subjects Planner

	#	Year 1	Year 2	Year 3	Year 4	Optional Yr.
English	4					
Math	3					
Science	2					
French	1					
Canadian Geography	1					
Canadian History	1					
Physical Education	1					
Arts	1					
Careers	0.5					
Civics	0.5					
Plus Group 1 English <i>or</i> French as a Second Language, <i>or</i> a Native Language, <i>or</i> a Classical or an International Language, <i>or</i> Social Sciences and the Humanities, <i>or</i> Canadian and World Studies, <i>or</i> Guidance & Career Education, <i>or</i> Cooperative Education	1					
Plus Group 2 Health and Physical Education, <i>or</i> The Arts, <i>or</i> Business Studies, <i>or</i> French as a second Language, <i>or</i> Cooperative Education	1					
Plus Group 3 Science (Grade 11 or 12), or Technological Education, or French as a Second Language, or Computer Studies, or Cooperative Education	1					
Electives/Optionals (Chosen by Student)	12					
TOTAL	30					
Community Involvement Hours	40 hrs					
Online Learning Graduation Requirement	2					
Specialist High Skills Major (SHSM)						
Ontario Secondary School Literacy Requirement (OSSLT)						