

GW GRAHAM

2026 2027



COURSE BOOKLET & PLANNING GUIDE

GW GRAHAM IS A
CREATIVE COMMUNITY
OF LEARNERS
CHALLENGING EACH
OTHER TO CARE,
INQUIRE, DISCOVER,
EXPLORE, AND ACHIEVE.
WE ARE DEDICATED TO
DEVELOPING
COMPASSIONATE
CITIZENS OF THE WORLD.

“Planning for Your Future”

The courses offered at GW Graham Secondary follow guidelines set out by the Ministry of Education and the Chilliwack School Board. The graduation program is comprised of required courses and elective options totaling 80 credits (from Grades 10 through 12), and completion of three provincial assessments (Numeracy 10, Literacy 10 and Literacy 12). When planning course selections, students should ensure their requirements for graduation are met through the process.

Selecting elective courses is an important process and should be carried out in consultation with your parent(s)/guardian(s). Become familiar with the course offerings and plan ahead. If you have questions, please speak to a school counsellor.

NOTE: All elective courses are subject to sufficient enrollment. Courses will only run if there are sufficient students requesting the course.

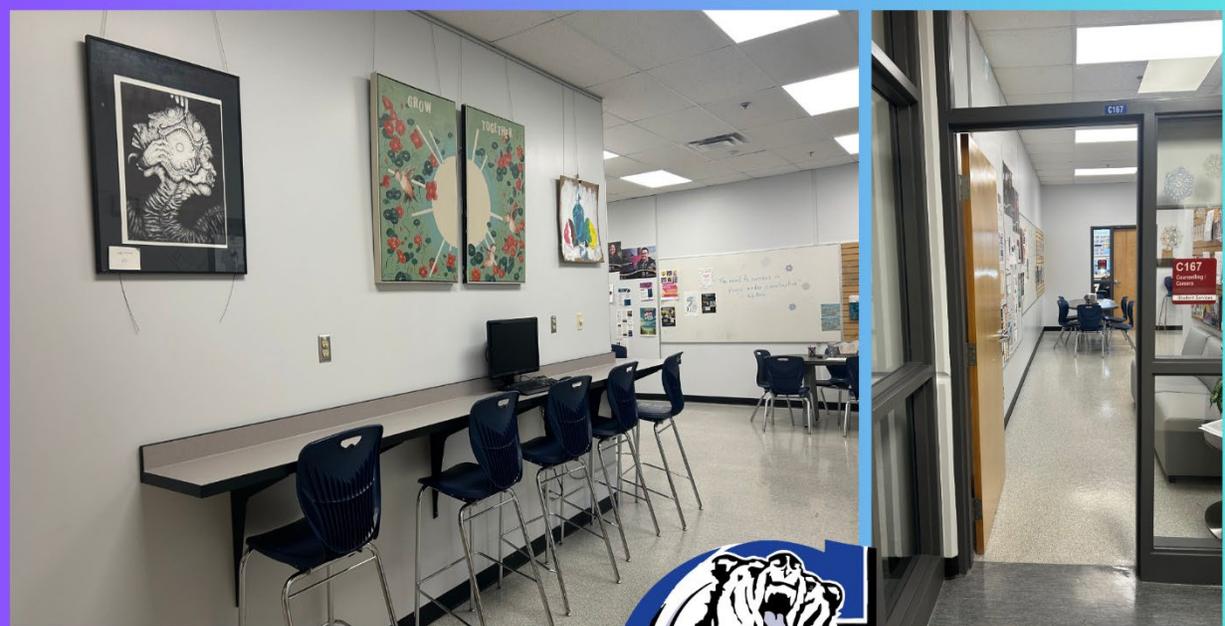


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GW Graham Secondary School acknowledges that we live, work, and play on the unceded traditional territory of the Pilalt, the Ts'elxwéyeqw, and the Sema:th tribes.

STUDENT SERVICES



Room
C167

There are several support/resource/programs offered within GW Graham Secondary and through the Chilliwack School District office. Descriptions for some of these specialized services are listed on the following pages. To find out more, contact your school counsellor or administrator.

COUNSELLING SERVICES

School counsellors provide direct and indirect support for students in three areas: personal matters in a confidential setting, academic advice (course selection, graduation, program planning etc.), and career planning (post-secondary). Counsellors will provide appropriate referrals to other in-school, in-district support services, and/or outside (non-school) agencies. Students are assigned to counsellors alphabetically by last name. Please email your counsellor to make an appointment:

A–D+ International	Mr. Price	thomas_price@sd33.bc.ca
E - K	Ms. Olafson	kiana_olafson@sd33.bc.ca
L - R	Mrs. Hancock	kim_hancock@sd33.bc.ca
S - Z	Mrs. Daly	alex_daly@sd33.bc.ca

ENGLISH LANGUAGE LEARNING

ELL is a placement-based program that offers support to students who have identified as having a first language other than English. Its purpose is to assist students with developing skills in oral and written English so they may function successfully in the school, community, and within a regular school program.

ELL/ESD Support Teacher	Mr. Simington	david_simington@sd33.bc.ca
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INDIGENOUS STUDENT SERVICES

Indigenous ancestry is determined on a voluntary basis through self-identification. This includes First Nations (Status or Non-Status), Metis, or Inuit ancestry. Once Indigenous ancestry is declared, students can access several additional supports. There are many services provided for our students that go above and beyond regular supports including, but not limited to, advocating for your student by assisting with academic support, push-in support in the classroom, supporting teachers who are teaching your student, home-school/band communication, and monitoring academic progress and attendance. We can also provide guidance on Graduation/Scholarship/Bursary/Post-Secondary and offer some financial assistance when costs are too burdensome (when applicable). We offer information for cultural opportunities and other special events and field trips that are available to us. We can also present opportunities in the community and help forge connections for employment. We are located upstairs, beside the elevator, in room B235.

**Secondary students who declare Indigenous Ancestry need only fill out the form one time for the duration of schooling at GW Graham Secondary*

Indigenous Grad Coach	Ms. Beveridge	marianne_beveridge@sd33.bc.ca
Indigenous Support Education Worker	Ms. Baldwin	ramona_baldwin@sd33.bc.ca
Indigenous Support Education Worker	Mr. Muth	andrew_muth@sd33.bc.ca

RESOURCE PROGRAM

The Resource Program provides a safe and inclusive environment and supports students with diverse needs and exceptionalities, identified with Ministry of Education Low Incidence Designations A-G (determined by medical professionals). Having a Ministry Designation qualifies students for additional support and specialized learning adaptations or modifications. The resource program consists of three teachers (RTs) and a team of Education Assistants (EAs) who provide support to students with all their school needs. Our goal is to make the students' experiences at GW Graham both positive and memorable. We provide the support required to successfully access the curriculum.

Mr. Brady Cameron	brady_cameron@sd33.bc.ca
Mr. Dave Ostlund	david_ostlund@sd33.bc.ca
Mr. Andrew Tee	andrew_tee@sd33.bc.ca

CAREER AND LIFE EDUCATION

Students are automatically scheduled in Career Education in Grade 9, Career Life Education in Grade 10, and Career Life Connections/Capstone in Grades 11 and 12. The purpose of supporting students with understanding their personal strengths and connecting them to opportunities beyond high school is extremely valued at GW Graham Secondary School. Career Education includes various guest presentations, career fairs, course planning sessions with counsellors, and other career related learning experiences.

Mr. Fraser

jeff_fraser@sd33.bc.ca

CAREER CENTRE

The Career Centre provides a valuable resource in assisting students in all aspects of their career exploration, post-secondary options, financial awards/processes, and transitions into the work force. If you have questions about the following topics or need assistance, our preference is for students to please reach out to us on TEAMS or in person. Stop by and visit room C239.

- Scholarships and Bursaries – Applications, Information, and Workshops
- Resumes, Cover Letters, Interview Coaching, Job Searching (Employment Marketing Skills)
- Career Based Enrichment Opportunities (Guest Speakers, Community Partners, Conferences, and Workshops)
- Post-Secondary Research and Application Support (University/College/Institute/Trades Training).
- Students are encouraged to check with post-secondary institutions on a regular basis regarding entrance requirements, application deadlines, and financial opportunities as changes occur regularly.
- Navigating Important Websites, including *myBlueprint*, *EducationPlannerBC*, *MyEducation BC*, Microsoft Teams, etc.
- Transcript Service is used to access and send transcripts when needed:
www2.gov.bc.ca/gov/content/education-training/k-12/support/transcripts-and-certificates/order-a-high-school-transcript-or-certificate.

Ms. Taylor

Gr 10 Interviews/Career Planning-Trades Portfolio

erica_taylor@sd33.bc.ca

Mrs. Willock

Scholarships, Bursaries, Career Planning

kim_willock@sd33.bc.ca

LIBRARY

The GW Graham Library is a great learning resource centre for our students. The centre contains access to several encyclopedia sets, e-books, reference books, access to *Ebschost*, *World Book* encyclopedia, *Britannica* online – which also includes *Compton's Encyclopedia*, and many other databases from any of the 30 computers located in the library, in each classroom, and/or from home! Students can also choose from many excellent novels in our ever-expanding fiction section.

The library is open Monday through Friday, from 8:00 a.m. to 3:30 p.m. At the beginning of each year, a call goes out for student volunteers to join the Library Club. Student Librarians help during lunch break to check out books for students, put away books, and process new books. Time worked in the library can be used towards graduation Work Experience requirements. The Library is also a safe place to come and read, do homework, research, and/or borrow a good book for pleasure reading.

Ms. MacConnell

eilidh_macconnell@sd33.bc.ca



WORK EXPERIENCE (AND VOLUNTEER CENTER)

Elective Work Experience courses (WEX12A and WEX12B) are available to students in Grades 11 and 12. Students interested in taking this course are required to complete a Career Programs application package. WEX12 courses are outside of the timetable, which means that students must be able to make time to complete the course requirements, often outside of school hours. WEX12A and WEX12B each require students to complete 100 hours of community-based and/or paid work experience placements, as well as several written forms and assignments. Students that complete a WEX12 course can earn up to 8 credits towards graduation. Completion of WEX12A is a pre-requisite to enroll in WEX12B. Want more information? Contact one of our school's WEX Coordinators:

Mrs. Clarke	beth_clarke@sd33.bc.ca
Mrs. LaFreniere (Mrs. L)	carlene_lafreniere@sd33.bc.ca
Mrs. Friess	christy_friess@sd33.bc.ca

EXTERNAL COURSE CREDITS

Students are able to earn credit for accomplishments outside of the regular classroom setting. Examples include ICBC approved Driver Education course, Bronze Cross, Royal Conservatory of Music, Girl Guides, external Sport Credential Program courses, and many more! For a full list of creditable activities and the specific requirements necessary to be granted external credits, please refer to the Ministry website: http://www.bced.gov.bc.ca/graduation/ext_credentials/ext_cred.php or talk to your counsellor.

For more information reach out to:

Sheri Bawtinheimer

sheri_bawtinheimer@sd33.bc.ca

Stacey Piper

stacey_piper@sd33.bc.ca



CONCURRENT UNIVERSITY STUDIES AT UFV

Degree Granting Courses:

UFV provides an opportunity to take courses at UFV while completing Grade 12 at GW Graham. Applications are accepted in Semester 2 of a student's Grade 11 year. Some of the reasons a student might consider concurrent studies:

- Complete Grade 12 and a 1st year academic course at UFV at the same time.
- Complete Grade 12 and a trade certificate at UFV at the same time.
- Jump start on post-secondary studies and get dual credits at both GWG and UFV.

For information about the partnership with UFV, please see the following website link:

<https://www.ufv.ca/admissions/high-school-grades-and-transcripts/concurrent-studies/>

Or contact: Heather Elliott heather_elliott@sd33.bc.ca

For more information, please **speak to your school counsellor.**

GRADUATION REQUIREMENTS

BC Certificate of Graduation (Dogwood) / 2023 Graduation Requirement

80 credits (minimum) over Grade 10, 11, and 12 to Graduate

Student must have:

- **52 credits** (minimum) from required courses
 - See list of breakdowns below
- **28 credits** (minimum) from elective courses
- Of the 80 credits required to graduate, **at least 4 credits must have an Indigenous focus.**
 - At GW Graham Secondary, students meet this requirement through *English First Peoples 10.
 - Students who have not completed the requirement at grade 10 (and/or have come from another school) are encouraged to take a Grade 11 English or Socials course that satisfies the requirement.
- **Three (3) ministry designed assessments:** Numeracy 10, Literacy 10, and Literacy 12.

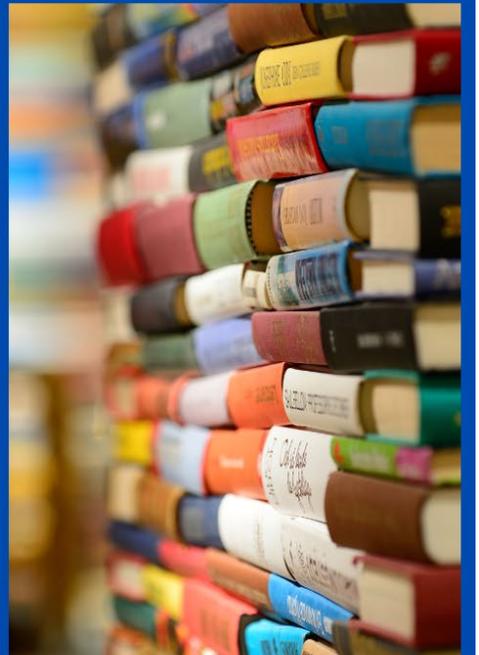
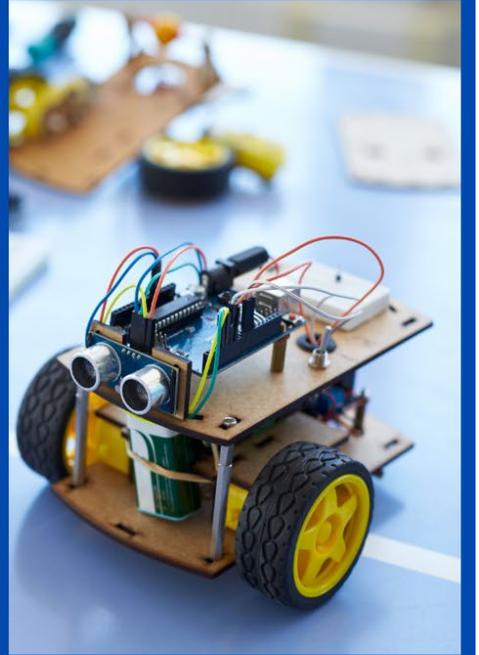
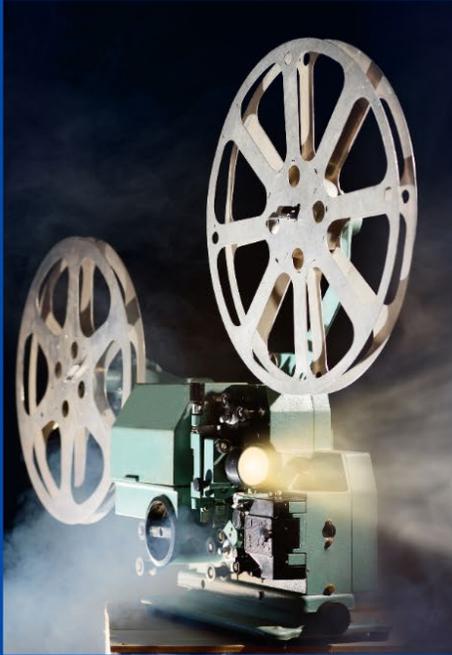
REQUIRED COURSES	
Subject Area	Credits
Language Arts 10*	4
Language Arts 11	4
Language Arts 12	4
Mathematics 10	4
Mathematics 11 or 12	4
Science 10	4
Science 11 or 12	4
Social Studies 10	4
Social Studies 11 or 12	4
Physical & Health Education 10	4
Fine Arts and/or Applied Skill 10, 11, or 12	4
Career Life Education 10	4
Career Life Connections 11 and 12	4
Total Credits (Required Courses):	52
ELECTIVE COURSES	
Grades 10-12 - Electives	24
Grade 12 - Elective	4
Total Credits (Elective Courses):	28
Total Credits (Graduation):	80

- Career Life Connections requires students to complete **30 hours of paid employment or volunteer work** in Grade 12
- Some post-secondary institutions require a second language at the Grade 11 level. If you are unsure if you will need this to fulfill your plans, please speak with a counsellor or career advisor to check post-secondary entrance requirements.
- Students who are planning on enrolling at a post-secondary institution must check their entrance requirements for their desired program. Universities have different requirements, so please be careful to check the institution you want to attend.

For more information about Graduation Requirements, please visit the Ministry of Education website:

<https://www2.gov.bc.ca/gov/content/education-training/k-12/administration/legislation-policy/public-schools/graduation-requirements> or speak with your school counsellor.

COURSES OFFERED



COURSES OFFERED TO GW GRAHAM STUDENTS

GRADE 9 STUDENTS CHOOSE

- Humanities 9 or Humanities 9 Fine Arts or GrahamX 9
- Math 9 or Math 9 Daily
- Science 9 or GrahamX 9
- Physical & Health Education 9 or PHE 9 Leadership or a Sport Specific PHE or GrahamX 9
- Three (3) Electives courses

GRADE 10 STUDENTS CHOOSE

- English 10 option (**this option will satisfy the Indigenous focus grad requirement*)
- Math 10 option
- Science 10
- Social Studies 10 option
- Physical and Health Education 10 option
- Three (3) Electives courses

GRADE 11 STUDENTS CHOOSE

- English 11 option
- Math 11 option
- Science 11 option
- Social Studies 11 or 12 option
- Four (4) Elective courses

GRADE 12 STUDENTS CHOOSE

- English 12
- Three (3) Grade 12 Elective options
- Four (4) other Elective courses

See the next page for a full list of course options available.

THINGS TO NOTE

- ✓ First priority for a course will go to students in the corresponding grade.
- ✓ Course prerequisites are important. Some prerequisites must be met before a student can enroll in a course.
- ✓ Graduation requirements differ from post-secondary entrance requirements.
- ✓ It's important for students to check post-secondary requirements and use this information to plan their education pathway.
- ✓ Speak with a school counsellor if you have any questions about course offerings and/or require assistance planning your education pathway.

GW GRAHAM COURSE LIST FOR GRADES 9 AND 10

(sorted alphabetically)

Grade 9	Grade 10
Art 9	AP Seminar 10
Choir 9	Art Studio 10 – Intro
Concert Band 9	Broadcast Production 10 – OT
French 1	Ceramics & Sculpture 10 – Intro
GrahamX 9-Humanities, Science, PHE	Choir 10
Humanities 9	Computer Studies 10
Humanities 9 – Fine Arts	Concert Band 10
Jazz Band (Jr) 9 – OT	Dance Foundations 10
Leadership 9	Design & Technology 10
Mathematics 9	Drama 10 – Intro
Mathematics 9 – Daily	EFP 10 – Literary Studies & Writing
Physical & Health Education 9	EFP 10 – Literary Studies & Spoken Word
PHE – Basketball 9	Electronics and Robotics 10
PHE – Football 9	Engineering & Architecture – Entry Level
PHE – Leadership 9	Entrepreneurship & Marketing 10
PHE – Rugby 9	Fashion & Design 10 – Intro
PHE – Soccer 9	Film Production 10 – Intro
PHE – Volleyball 9	Food Studies 10 – Intermediate
Science 9	Food Studies 10 – Intro
Spanish 1	Foundations of Math & Pre-Calculus 10
	Foundations of Math & Pre-Calculus 10 – Daily
	French 2
	GrahamX 10 – Humanities, Science, PHE
	Guitar 10 – Intermediate
	Guitar 10 – Intro
	Halq'eméylem 10
	Humanities 10 – Fine Arts
	Jazz Band (Jr) 10 – OT
	Leadership 10
	Media Arts 10
	Media Design (Animation) 10
	Metalwork 10
	Musical Theatre 10 – OT
	Physical & Health Education 10
	PHE – Basketball 10
	PHE – Football 10
	PHE – Leadership 10
	PHE – Rugby 10
	PHE – Soccer 10
	PHE – Volleyball 10
	Science 10
	Social Studies 10
	Spanish 2
	Strength and Conditioning 10
	Strength and Conditioning 10 – OT
	Strength and Conditioning 10 – Rugby
	Woodwork 10
	Workplace Math 10
	Yearbook 10 – OT

OT = Out of Timetable (course will be offered before or after school)

Grizzlies Baseball Academy is available to students in grades 9-12.

- Speak to your school counsellor to register.

GW GRAHAM COURSE LIST FOR GRADE 11

(sorted alphabetically)

GRADE 11

Accounting 11	Human Diversity in Society 11
Active Living 11	Instrumental Survey 11
Active Living - Basketball 11	Jazz Band (Jr) 11 - OT
Active Living - Football 11	Jazz Band (Sr) 11
Active Living - Leadership 11	Languages for Travel 11
Active Living - Rugby 11	Leadership 11
Active Living - Soccer 11	Life Sciences 11
Active Living - Volleyball 11	Life Sciences 11 Honours
AP Capstone Seminar 11	Literary Studies 11
AP English Language & Composition	Marketing & Promotion 11
AP Physics 11	Media Arts 11
Architectural Drafting L2	Media Design (Animation) 11
Art Studio - Intermediate 11	Metalwork 11
Ceramics & Sculpture 11 - Intermediate	Music Production & Recording Arts 11
Chemistry 11	Musical Theatre 11 - OT
Chemistry 11 Honours	Outdoor Education 11 - OT
Choir 11	Peer Tutoring 11
Computer Programming 11	Photography 11 - Intro
Concert Band 11	Physics 11
Creative Writing 11	Physics 11 Honours
Dance Foundations 11	Pre-Calculus 11
Directing & Script Development 11	Pre-Calculus 11 - Daily
Drama 11 - Intermediate	Psychology 11 - Criminology
Drawing & Painting 11 - Intermediate	Psychology 11
Earth Science 11	Robotics 11
EFP Literary Studies & Writing 11	Science for Citizens 11
Engineering L2	Spanish 3
Event Planning 11	Sports Medicine 11
Fashion & Design 11 - Intermediate	Strength & Conditioning 11
Film Production 11 - Intermediate	Strength & Conditioning 11 - OT
Fitness and Conditioning 11	Strength & Conditioning 11 - Rugby
Food Studies - Advanced 11	Theatre Company 11 - OT
Food Studies – Intermediate 11	Television Production 11 - OT
Foundations of Math 11	Theatre Production 11
French 3	Woodwork 11
Guitar 11 - Intermediate	Workplace Math 11
Guitar 11 - Intro	Yearbook 11 - OT
Halq'eméylem 11	

OT = Out of Timetable (course will be offered before or after school)

Grizzlies Baseball Academy is available to students in grades 9-12. Speak to your school counsellor to register.

GW GRAHAM COURSE LIST FOR GRADE 12

(sorted alphabetically)

GRADE 12

20th Century World History 12	Computer Programming 12	Instrumental Survey 12
Accounting 12	Concert Band 12	Jazz Band (Jr) 12 - OT
Active Living 12	Contemporary Indigenous Studies 12	Jazz Band (Sr) 12
Active Living 12 – Basketball	Creative Writing 12	Law Studies 12
Active Living 12 – Football	Criminology 12	Leadership 12
Active Living 12 – Leadership	Dance Foundations 12	Literary Studies 12
Active Living 12 – Rugby	Digital Media (Animation) 12	Machining & Welding 12
Active Living 12 – Soccer	Directing & Script Development 12	Media Arts 12
Active Living 12 – Volleyball	Drama 12 - Advanced	Metalwork 12
Anatomy & Physiology 12	Drawing & Painting 12 – Advanced	Music Production & Recording Arts 12
Anatomy & Physiology 12 – Kinesiology	E-Commerce 12	Musical Theatre 12 - OT
AP 2-D Art and Design 12	Engineering L3	Outdoor Education 12 - OT
AP 3-D Art and Design 12	English First Peoples 12	Peer Tutoring 12
AP Biology 12	English Studies 12	Philosophy 12
AP Calculus AB 12	Entrepreneurship 12	Photography 12 – Intermediate
AP Capstone: Research 12	Fashion & Design 12 – Advanced	Physical Geography 12
AP Chemistry 12	Fashion Industry 12	Physics 12
AP English Literature & Composition 12	Film Production 12 – Advanced	Pre-Calculus 12
AP Physics 12	Fitness and Conditioning 12	Psychology 12
AP Psychology 12	Food Studies 12 – Advanced	Robotics 12
AP Statistics	Foundations of Math 12	Social Justice 12
AP Studio Art: Drawing 12	French 4	Spanish 4
AP World History: Modern 12	Furniture and Cabinetry 12	Sports Medicine 12
Architectural Drafting L3	Genocide Studies 12	Strength & Conditioning 12
Art Studio 12 – Advanced	Geology 12	Strength & Conditioning 12 - OT
Calculus 12	Geometry 12 (Art Focus)	Strength & Conditioning 12 - Rugby
Ceramics & Sculpture 12 – Advanced	Guitar – Intermediate 12	Television Production 12 - OT
Chemistry 12	Guitar – Intro 12	Theatre Company 12 - OT
Child Development & Caregiving 12	Halq'eméylem 12	Theatre Production 12
Choir 12	Housing & Living Environments 12	Woodwork 12
Comparative Cultures 12	Human Diversity in Society 12	Yearbook 12 - OT
Comparative World Religions 12	Industrial Coding & Design 12	

OT = Out of Timetable (course will be offered before or after school)

Grizzlies Baseball Academy is available to students in grades 9-12. Speak to your school counsellor to register.

CLAW Block 10 - 12



What is CLAW?

CLAW Block is a period that runs once a week with the aim of providing students with opportunities to explore an area of interest or passion or to connect with teachers to work on learning strategies to support academic achievement.

Students are able to choose a CLAW option that best suits their interests and needs. Options include a variety of exploratory electives, student-led inquiries, and learning support classes.

When does CLAW occur?

CLAW block takes place *most* Wednesdays from 9:28 to 10:47 a.m.

Student Expectations

As a 2-credit course, students are expected to attend their CLAW block regularly and actively engage in learning.

For students who select an Academic Enhancement CLAW, they are expected to use the MyFlexLearning app or website to schedule times to connect with other teachers they may wish to work with.

Scan the QR code or click [HERE](#) to view the CLAW opportunities available to you:



SPECIALTY PROGRAMS &



FOCUSED LEARNING OPPORTUNITIES

ADVANCED PLACEMENT (AP) COURSES

The Advanced Placement Program is a cooperative educational endeavor between secondary schools and colleges and universities. AP, which was developed by the U.S. College Board in 1955, offers students the opportunity to take college level courses while still in high school. Students earning a score of 3 or better on their AP exam may earn either university or advanced placement credit. **Through the AP Seminar program, students may begin taking AP classes in grade 10.**

Students are provided with an enriched program that mirrors post-secondary curricula and expectations. Students will learn what college level courses are like and develop the skills and strategies necessary to be successful in college or university. *"College entrance exams reveal that young people who take challenging classes, such as Advanced Placement courses perform better than their peers regardless of their family or financial background."* – Rod Paige, U.S. Secretary of Education

Frequently Asked Questions

Why take AP?

AP Programs are enriched classes for students who love the subject area or enjoy learning in general. AP classes also teach students skills that help them become successful post-secondary students. AP classes are enriched in a variety of ways, including different material, activities, projects, and opportunities.

What is AP Seminar?

AP Seminar is a skill-building AP program that provides students with opportunities to develop the strategies, confidence and communication needed to be successful in high-level academic programs. It is available to students beginning in grade 10.

How many colleges and universities accept AP grades?

More than 90 percent of the colleges and universities in the United States and Canada, as well as colleges and universities in 21 other countries, have a policy granting incoming students credit, placement, or both, for qualifying AP Exam grades. Students with a "qualifying grade" (3+) can earn course credit at thousands of colleges and universities worldwide. The best source of specific and up-to-date information about an individual institution's policy on its calendar or website.

Can only "A" students take AP classes?

No, all students are welcome to apply for an AP class. The most successful students are hardworking, organized, mature, motivated, and positive about their learning experience. Students should expect a fast passed, highly rigorous experience in their chosen class.

Are there exams for AP Courses?

Yes, each AP course has an optional exam or portfolio submission in May. It is recommended that all students sit for the exam or submit their portfolio. **Examination costs are approximately \$185.00 to \$210.00 CAD per course/exam. Exam fees are non-refundable.**



WHAT AP OPPORTUNITIES ARE AVAILABLE?

GW Graham Secondary's AP offering continues to expand. Here is what is available for 2025-2026:

GW Graham Secondary 2026–2027 AP Programs	
Department/Program	More Information on
English	
AP Language and Composition 12 (AEN--12)	Page: 34
AP Literature and Composition 12 (AELC-12)	Page: 33
Fine Arts	
AP 2-D Art and Design 12 (A2DP-12)	Page: 70
AP 3-D Art and Design 12 (A3DP-12)	Page: 70
AP Studio Art: Drawing (ASAD-12)	Page: 70
Mathematics	
AP Calculus AB (ACAL-12)	Page: 50
AP Statistics 12 (ASTA-12)	Page: 49
Multidisciplinary Studies	
AP Capstone: Seminar 11 (available to students in grades 10-12) (APCS-11)	Page: see next page
AP Capstone: Research 12 (APCR-12)	Page: see next page
Psychology	
AP Psychology 12 (APSY-12)	Page: 38
Science	
AP Biology 12 (ABIO-12)	Page: 57
AP Chemistry 12 (ACHE-12)	Page: 58
AP Physics 1 (APHH-11)	Page: 59
Social Studies	
AP World History: Modern (AWH--12)	Page: 63

Students interested in AP programming should talk to their counsellor or current subject teacher.

General information on AP Courses is also available at: www.collegeboard.com

AP CAPSTONE

AP Capstone is an exciting Advanced Placement program offered by the College Board that aims to develop students' skills in research, collaboration, and critical thinking. GW Graham Secondary is only the sixth public school in all of British Columbia to offer this unique opportunity to students. AP Capstone is designed to provide a more in-depth, interdisciplinary approach to learning, beyond traditional subject-specific courses, and students taking this program will be well-prepared for post-secondary education. AP Capstone consists of two main courses: AP Seminar and AP Research.

The following page describes the AP Capstone courses and path.

PART 1: AP SEMINAR

Prerequisite: Completion of English or Humanities 9. While not required, teacher recommendation and/or a final grade of Proficient or Extending is strongly recommended due to the academic rigor of the course.

Typically taken in grade 10 or 11, AP Seminar teaches students how to analyze complex issues from various lenses, evaluate unique perspectives, and identify key stakeholders. Students engage in discussions, conduct research, and create presentations on real-world issues. Emphasis is placed on collaborative teamwork, as well as developing skills in argumentation, writing, and oral communication. AP Seminar is considered an “AP Access course,” meaning that, by taking this course, students will be well-prepared to tackle the challenges and academic rigor of future AP Courses. The question in this course is not, “What do you want to be when you grow up?” but rather, “What problems do you want to solve?”

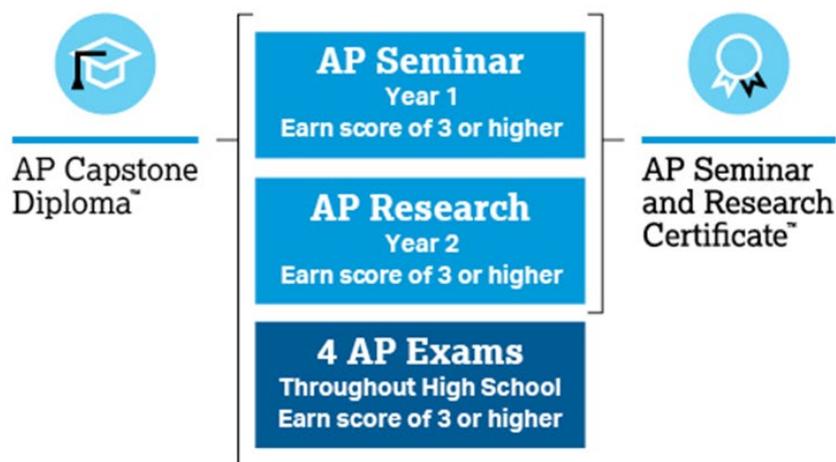
Examples of past student inquiry topics: the effects of texting on grammar skills, food waste solutions, the future of the automotive industry, the importance of voting age and civic participation of teens, the mathematics behind extreme sports, genetically modified organisms, the role of art in education, and wealth inequality.

PART 2: AP RESEARCH

Prerequisite: Completion of AP Capstone: Seminar

AP Research is the second part of the AP Capstone program, typically taken in grade 11 or 12, following the completion of AP Seminar. In AP Research, students delve into a topic they are passionate about, designing a yearlong research project centered around a question of their choice. Whether exploring the effects of social media on student mental health or investigating another area of interest, such as climate change, Artificial Intelligence, or renewable energy, students will conduct independent research, refine their methods, gather and analyze data, and present their findings through both a written research report and an oral presentation. Throughout the course, students develop critical research skills such as analyzing sources and evidence, applying context and perspective, writing a college-level academic paper, and effectively presenting their research findings to an audience.

Examples of past Research topics: 3-D printed prosthetics for amputees, the algorithm of K-pop music, the effects of sleep deprivation on academic achievement in teens, learning chemistry through musical chords, environmental injustice in subsidized housing, and the effects of popular opinion on the implementation of Supreme Court decisions. Students who complete both AP Seminar and AP Research can earn the AP Capstone Diploma or the AP Capstone Certificate, an academic recognition that demonstrates their proficiency in these areas and can be a strong addition to their college applications.



Through both courses, students develop essential academic skills such as critical thinking, communication, and the ability to synthesize and analyze information. The AP Capstone program culminates in a Capstone Project, in which students present their research in a comprehensive report, showcasing the ability to engage with complex problems and conduct scholarly investigations.

PART 1: AP SEMINAR

Prerequisite: Completion of English or Humanities 9. While not required, teacher recommendation and/or a final grade of Proficient or Extending is strongly recommended due to the academic rigor of the course.

Typically taken in grade 10 or 11, AP Seminar teaches students how to analyze complex issues from various lenses, evaluate unique perspectives, and identify key stakeholders. Students engage in discussions, conduct research, and create presentations on real-world issues. Emphasis is placed on collaborative teamwork, as well as developing skills in argumentation, writing, and oral communication. AP Seminar is considered an “AP Access course,” meaning that, by taking this course, students will be well-prepared to tackle the challenges and academic rigor of future AP Courses. The question in this course is not, “What do you want to be when you grow up?” but rather, “What problems do you want to solve?”

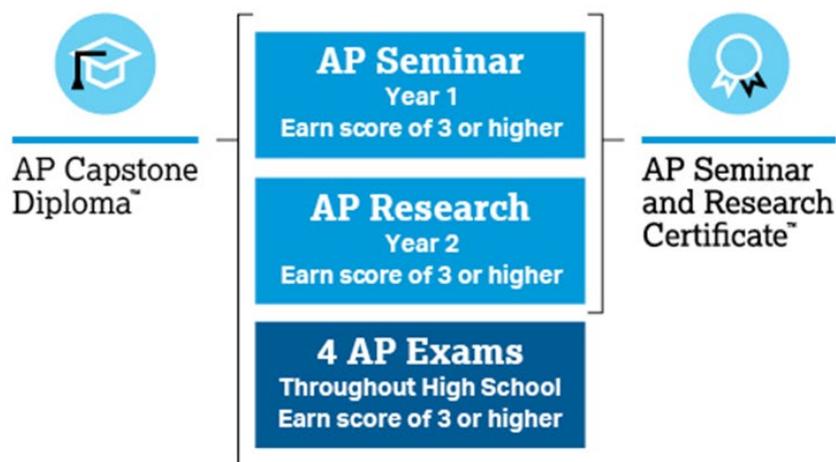
Examples of past student inquiry topics: the effects of texting on grammar skills, food waste solutions, the future of the automotive industry, the importance of voting age and civic participation of teens, the mathematics behind extreme sports, genetically modified organisms, the role of art in education, and wealth inequality.

PART 2: AP RESEARCH

Prerequisite: Completion of AP Capstone: Seminar

AP Research is the second part of the AP Capstone program, typically taken in grade 11 or 12, following the completion of AP Seminar. In AP Research, students delve into a topic they are passionate about, designing a yearlong research project centered around a question of their choice. Whether exploring the effects of social media on student mental health or investigating another area of interest, such as climate change, Artificial Intelligence, or renewable energy, students will conduct independent research, refine their methods, gather and analyze data, and present their findings through both a written research report and an oral presentation. Throughout the course, students develop critical research skills such as analyzing sources and evidence, applying context and perspective, writing a college-level academic paper, and effectively presenting their research findings to an audience.

Examples of past Research topics: 3-D printed prosthetics for amputees, the algorithm of K-pop music, the effects of sleep deprivation on academic achievement in teens, learning chemistry through musical chords, environmental injustice in subsidized housing, and the effects of popular opinion on the implementation of Supreme Court decisions. Students who complete both AP Seminar and AP Research can earn the AP Capstone Diploma or the AP Capstone Certificate, an academic recognition that demonstrates their proficiency in these areas and can be a strong addition to their college applications.



Through both courses, students develop essential academic skills such as critical thinking, communication, and the ability to synthesize and analyze information. The AP Capstone program culminates in a Capstone Project, in which students present their research in a comprehensive report, showcasing the ability to engage with complex problems and conduct scholarly investigations.

GRIZZLIES BASEBALL ACADEMY



The Grizzlies Baseball Academy will provide high level, baseball specific training to suit the needs of aspiring athletes who want to improve upon and elevate their overall skills of the game. Students will be engaging in high performance training developed in collaboration with the University of the Fraser Valley Baseball coaches, which focuses on core athletic movements with progression towards sport specific development. Grizzlies Baseball Academy will run during two combined periods in the mornings of the first semester. As such, students will receive credit for two courses: Strength and Conditioning as well as Active Living or Physical and Health Education.

Training will be led by a combination of the Graham PHE teaching staff and local elite level community coaches from the UFV Baseball program. Including Kyle Lotzkar (General Manager), Riley Jepson (Head Coach), Junior Deleon (Assistant Coach), Josh Berenbaum (Assistant Coach) and Hayes Parshyn (Strength & Conditioning). Course content will include on and off the field training, baseball IQ development, sport psychology seminars, SAT prep, recruiting video prep, the college recruitment process, NCCP coaching certification, visualization training, umpire certification, and MED training (making ethical decisions course). In addition, students also learn about the following topics: hydration, sleep, hygiene, time management, concussion management, performance enhancing drugs, nutrition, and healthy lifestyle choices. Students considering this academy must be highly self-motivated and prepared to work to their maximum potential in each class. It is recommended that students have some experience competing at the elite baseball level.

We are privileged to partner with the Tzeachten First Nation to have our program run primarily on the Tzeachten Turf Field. The academy will also have access to the UFV indoor training facility, The Yard, on poor weather days. Students will need to be prepared to train outside most days of the week between the months of September to January. This program is open to students from Grades 9-12, across the district but space is limited. Students accepted into the academy in the One-Campus program will need to communicate with their counsellors at the home schools. The One-Campus model does its best to be aligned with all schools however, there are some days that do not. For example, Career Ed. or school wide assembly days.

There is a \$1,000.00 fee for this academy (this fee does not include clothing).



GRIZZLIES SOFTBALL ACADEMY



The Grizzlies Softball Academy will provide high level, softball specific training to suit the needs of aspiring athletes who want to improve upon and elevate their overall skills of the game. Students will be engaging in high performance training developed in collaboration with local Chilliwack Minor Fastpitch coaches, which focuses on core athletic movements with progression towards sport specific development. Grizzlies Softball Academy will run during two combined periods in the afternoon of the first semester. As such, students will receive credit for two courses: Strength and Conditioning as well as Active Living or Physical and Health Education.

Training will be led by a combination of the Graham PHE teaching staff, decorated softball coach and player Jeana Boyd and local elite level community coaches from the Chilliwack Minor Fastpitch which includes Jessie Westrate, and Abby Bates. Course content will include on and off the field training, softball IQ development, sport psychology seminars, SAT prep, recruiting video prep, the college recruitment process, NCCP coaching certification, visualization training, umpire certification, and MED training (making ethical decisions course). In addition, students also learn about the following topics: hydration, sleep, hygiene, time management, concussion management, performance enhancing drugs, nutrition, and healthy lifestyle choices. Students considering this academy must be highly self-motivated and prepared to work to their maximum potential in each class. It is recommended that students have some experience competing at the elite softball level.

We are privileged to partner with the Tzeachten First Nation to have our program run primarily on the Tzeachten Turf Field. Students will need to be prepared to train outside most days of the week between the months of September to January. This program is open to students from Grades 9-12, across the district but space is limited. Students accepted into the academy in the One-Campus program will need to communicate with their counsellors at the home schools. The One-Campus model does its best to be aligned with all schools however, there are some days that do not. For example, Career Ed. or school wide assembly days.

There is a \$1,000.00 fee for this academy. (This fee does not include clothing).



CANINE FOUNDATIONS PROGRAM

Getting paid to spend your days working with dogs may sound like a dream come true, but it doesn't have to be a fantasy! There are many jobs that let dog lovers spend their days hanging out with puppies and pooches... and get paid to do it! This half day semester program prepares students to pursue a career in a variety of canine focused areas. Areas include training, fitness, health, canine business, etc. Whether you are looking to explore your passion for dogs further or learn about what the dog world has to offer, this program will give you the foundation needed to explore various career opportunities. Hands on learning opportunities will be an integral part of the experience, including the possibility of work experience opportunities at various job sites in the community. This requires students to be active, mature participants. Learners will also have an opportunity to work with dogs in both the classroom and community at different levels of training and incorporate the techniques learned. Students will be required to use their knowledge from course material and adapt it to real world situations. Volunteering at local shelters, ring stewarding at dog shows, interning at a grooming salon, fundraising for rescue/service organizations, and guest speakers will also provide valuable experiential learning to further develop skills. After exploring a variety of different options students will choose a focal area they wish to pursue. This inquiry will allow the student to connect their learning with their passion. This can include gaining basic certification in some areas such as dog first aid, dog training, dog grooming, etc. Some aspects of the course may involve working with other animal organizations (besides dogs) in our community.

Upon successful completion of Canine Foundations, students will acquire the following graduation credits:

- **Science for Citizens 11** (4 Credits)
- **Canine Knowledge** – including canine behaviour, developmental stages, psychology, physiology, body language, nutrition, canine wellness, basic veterinary care, basic genetics, and dog breeding (ex. Breeding/selecting dog for specific role).
- **Canine Training** – exploration of training methods, individualized dog training, handling and husbandry to best practice and ability to communicate and demonstrate these training techniques to others.
- **Animal Ethics** – Education on ethical training and humane husbandry methods, communication skills to educate public.
- **Animal Human Bond** – The impact animals have on our health and well-being, and society.
- **Work Experience** (4 Credits) **Optional**
- **Workforce Training Certificate** (4 Credits)



BROADCAST PRODUCTION 10-12

PREQUISITES: Film Production – Intro recommended

If you're passionate about becoming a filmmaker, journalist, television presenter, or behind-the-scenes technician, Broadcast Production offers an exciting opportunity to experience what it's like to be part of the world of television.

This course is perfect for **self-motivated, creative students** who are eager to take **initiative** and **work collaboratively**.

While prior experience in filming and editing is helpful, it is not required.

Students will have the chance to live-stream key events at the school, such as the Truth & Reconciliation Assembly and Remembrance Day ceremonies. Additionally, they'll broadcast community events like Christmas concerts at local elementary schools or talent shows at middle schools. These productions will give students a firsthand look at the challenges of working in a real-world television environment.

Every other month, students will produce and present their own student-led show, showcasing school events for a live audience. This hands-on experience will teach students how to work under the pressures of live television, all while producing engaging and high-quality content that celebrates the diverse and vibrant spirit of the school.

Broadcast Production is an extracurricular commitment throughout the year, with lessons and projects taking place outside regular school hours, requiring dedication, a passion for television production and the willingness to work in a high pressure environment.



FILM PRODUCTION WORKSHOP

Film Production Workshop is a hands-on, project-based film program unique to our school district. This immersive, full semester, workshop 'style' class offers students a chance to take a 'deep dive' into learning and experiencing film production. Students often develop lasting connections with peers who have similar passions and connect with a variety of industry and community professionals.

Students will develop their skills, understanding, and appreciation for:

- Teamwork and collaboration in a variety of film settings.
- Film production, analysis and real-world film scenarios.
- Directing and scriptwriting.
- Cultural awareness, including Indigenous Peoples of Canada.
- Community development and partnerships.
- Real-world experiences connected to film.



Upon successful completion of **Film Production Workshop**, students will acquire the following graduation credits*:

- New Media 11 or New Media 12.
- Film Production 11 or 12.
- Directing & Scriptwriting 11 or 12.
- WEX (Work Experience) 11 or 12 **Optional**
- Workforce Training Certificates 12.
- Project Based Learning 11 or 12.

*credits may sometimes vary depending on personal grad plans.

Requirements to enroll in Film Production Workshop:

- Be a current grade 10-12 student.
- A strong, mature and positive work ethic.
- Excellent attendance.
- Ability and desire to work collaboratively.
- Desire to take creative risks.
- Previous film class experience an asset.



What might a day look like in Film Production Workshop?

This will vary, however, here are some examples:

- We are going to Capilano University or Vancouver Film School for a field trip to check out their amazing programs in film production.
- We are meeting at Chilliwack Airport to shoot a short film, using an old airplane as part of our set.
- Students are working on individual short comedy films that will be shown during Flex.
- We are working on pitching ideas to the class, then revising and planning production.
- The class has an industry talk with a commercial cinematographer, then students will break off and work on planning a commercial shoot we are doing in our community.
- Today we are out shooting a music video for a local band.
- Students are out doing work experience on local sets or working with business partners.



SPECIALTY PROGRAMS

GRAHAMX



Explore, Experience, Express

GrahamX is a cross-curricular, place based, and outdoor learning program that offers students the chance to experience our local environment. Students will explore the curriculum of different courses during a variety of hands-on and off-site field trips and educational opportunities. Students will be grouped in a cohort and work collaboratively to explore various topics. The program is designed to give students the opportunity to learn about their local area and pursue their interests in a deep, enriching manner. This program may benefit students who seek alternative learning experiences.

Students in GrahamX will develop an understanding of personal and social responsibility, collaborate, and think critically to explore issues and ideas associated with different topics in our community. Learning will be connected to interactive and hands-on activities so that students make connections to the world around them. Students will be asked to complete projects throughout the year to show understanding of competencies and learning outcomes associated with the various courses.

GrahamX is a half-day, full year program that will, by the end of the year, cover the curriculum from select courses (see below). The other two blocks of the school day will comprise of other graduation requirements and/or electives selected by the student. Students will be participating in outdoor activities, rain or shine, and so appropriate clothing will be required.

The program will be offered as different cohorts: Grade 9 and Grade 10. Students may enroll in GrahamX for any of the cohort options as it fits their schedule and can enroll in GrahamX for one or both years.

Grade 9 Cohort (Full Year)

- English 9
- Science 9
- Physical and Health Education 9
- Social Studies 9
- Career Education

Grade 10 Cohort (Full Year)

- EFP 10 – Literary Studies & Writing
- Science 10
- Physical and Health Education 10
- Social Studies 10
- Career Life Education 10





In Outdoor Education, students will challenge themselves mentally, physically, socially and emotionally. Students will gain valuable knowledge, skills, and attitudes to appreciate the beautiful and diverse natural environments found in British Columbia. Outdoor Education will emphasize the development of physical fitness through various outdoor pursuits. Students will learn about and practice a variety of outdoor skills including trip planning, leave no trace principles, food preparation, wilderness safety, hiking, camping, snowshoeing, skiing/snowboarding, wilderness navigation, paddle boarding, and much more.

In this course students will learn and practice sustainable, low impact pursuits so as to preserve the natural environment for future generations to enjoy. Students will also connect to nature and learn to appreciate the natural environment and all it has to offer. Learning in Outdoor Education goes “beyond the classroom”. Students will utilize the great outdoors as a classroom and incorporate many skills to live an active and healthy lifestyle.

Due to the nature of this course, students must be committed to enthusiastic participation and a willingness to embrace new environments and challenging situations in all seasons. An above average level of fitness is recommended as some extended day and overnight hikes are required. Students will also need to have appropriate clothing and equipment for activities considering the types of weather encountered in this part of BC. This course runs for the full year and is taught outside of the regular timetable. Most of the class time is after school and on weekends.

In Outdoor Education, students gain credits for Outdoor Education 11 (MODED11-01) or 12 (MODED12-01) – 4.0 credits each full year.

The course fee is dependent upon activities each year.

The ***estimated*** cost for 2025-26 will be **\$100.00/semester**.

This program is open to students from Grades 9-12, but space is limited, and priority will be given based on grade level.

“Look deep into nature, and then you will understand everything better.”

-Einstein-



SPECIALIZED FOODS & CULINARY PROGRAM



with Mrs. Sandra Bergeron

This advanced program will provide an opportunity for baking enthusiasts who have a personal interest in specialty baking. The baking program is designed to build and expand your skill set and help you be able to prepare food with professional results that look and taste amazing. This program will run in two periods. Students who enroll in the baking program will receive credit for two courses:

**Specialized Foods 12 – Baking & Pastry (4 credits) and
Culinary 12 – Advanced Product Development (4 credits)**

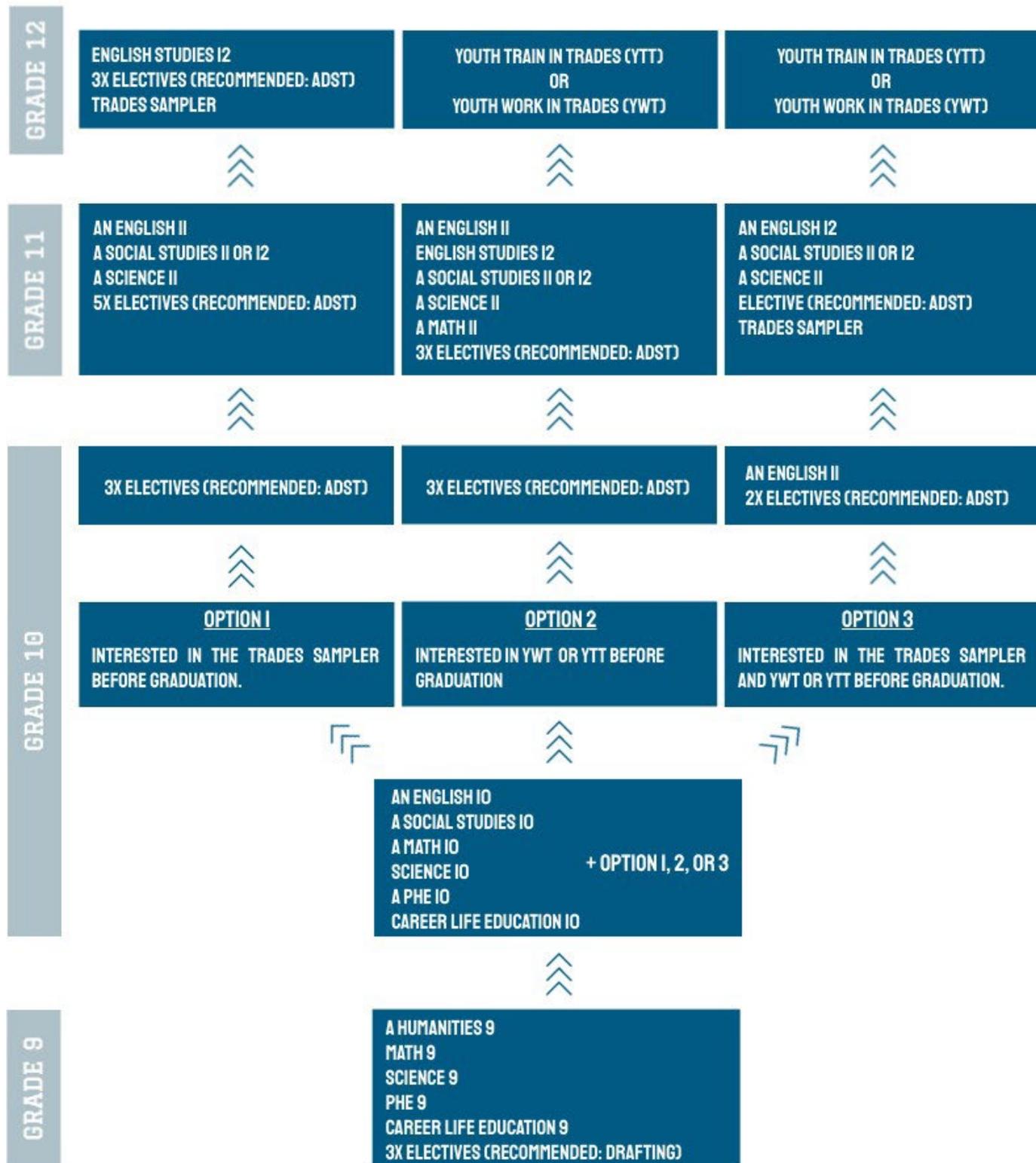
This program will focus on bakeshop fundamentals, giving students a hands-on opportunity to learn more about what it takes to work in the industry while creating a variety of baked goods. Students will gain confidence and experience while using specialized tools and equipment. They will discover and learn to manage the basics of food science while baking. Students will also learn about food production, quantity foods, food service and how to manage food costs. Throughout the year students will have opportunities to bake and share with other students throughout the school, building school community with food. This is the perfect program if you want to ignite your passion for baking!

In addition to skill development, students will also have the opportunity to take the *Food Safe Level 1* course. This provincially approved course will be taught and woven into the classroom curriculum. This optional certificate earned in class is an asset when working in the food industry. It is valuable training that can be used for future job opportunities.

Fee for the (optional) *Food Safe Level 1* Certificate is \$30.00

Students considering this program must be self-motivated. It is highly recommended that students have taken an advanced Foods class – either Foods 11, Foods 12, or obtain teacher's permission.

GRAHAM TRADES



TRADES SAMPLER

The Trades Sampler is a deep learning program, designed with the following focused experiences:

- Instruction: collaborative, hands-on learning where there is approximately 70% with a practical focus and 30% theoretical.
- Work Experience: real-world experiences where students are supported with their learning at a local business.
- Post-Secondary Experience: partnerships with post-secondary institutes where our students will attend for short or extended learning experiences.
- Community Connections: classes will take on various projects throughout our community with the overall goal of giving back and supporting others.
- Specialty Career Advisor Support: a career advisor works with these classes for assisting students with exploring work and post-secondary opportunities.



This full-semester program has career advisor support offered before and after completion of the deep learning semester. Programs are designed for students in Grades 11 and 12, so it is recommended to build a plan to meet graduation requirements while fitting in a focused semester. Students interested in the Trades Sampler can consult with their school counsellor or select the program on their course selection form. A school counsellor or career advisor will meet with interested students to ensure the program is the right fit for them. Overall, students with a strong work ethic and regular attendance will be considered for these programs.



See the following page for information on the Graham Trades pathway.

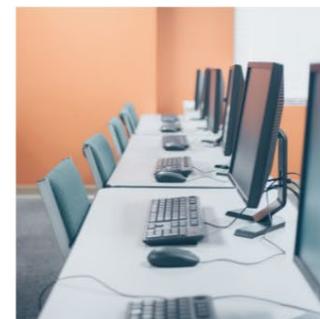
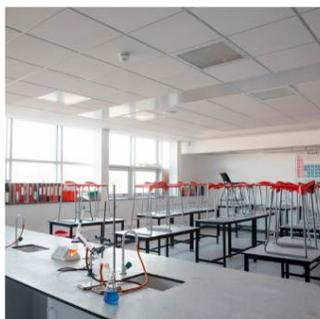
For more details and information on the following courses, go to the *SD 33 Learning Opportunities* pages at the **end** of this booklet:

- Trades Sampler (page 79)
- Youth WORK in Trades (page 80)
- Youth TRAIN in Trades (page 81)
- Regional Career Programs (page 82)
- Early Childcare Education (ECE) (pages 83-85)
- Healthcare Programs (pages 86-87)

Additionally, check out the SD 33 Career Education website: <https://learningservices.sd33.bc.ca/careereducation>.

Contact Christy Friess christy_friess@sd33.bc.ca for more information.

COURSE



DESCRIPTIONS



G.W. GRAHAM SECONDARY SCHOOL BUSINESS COURSES 2026-2027

MARKETING AND ENTREPRENEURSHIP COURSES

Entrepreneurship and Marketing courses provide students with a rich insight into the world of business. These courses give students skills that can be brought directly into the workforce such as organization, time management, creative thinking, critical thinking, money management, and many more valuable skills. Entrepreneurship and Marketing courses are perfect for students who want to learn about how to create, advertise, and operate a business.



ENTREPRENEURSHIP AND MARKETING 10

Prerequisite: None

Entrepreneurship and Marketing 10 provides a fun introduction for grade 9 and 10 students into the world of business. Students will be introduced to business concepts such as entrepreneurship, characteristics of entrepreneurs, ways to add value to an existing idea or product, differences between invention and innovation, barriers that various groups of entrepreneur's face and the factors that can contribute to their success, and life cycle of a product from invention/innovation to the marketplace. Students will end the course by creating their own products and brand.



MARKETING AND PROMOTION 11

Prerequisite: None

In Marketing and Promotion 11, students will gain an introductory knowledge to the world of business with a more specific focus on marketing and promotion practices. Students will begin to develop their own business model and marketing tools for a product of their own creation. Students will be introduced to the various ways of marketing and promotion used to persuade the public to buy a product or service. Students will learn about things such as: target market, marketability of a product, segmentation, targeting, positioning of the market, and how to promote a product's benefits. The course also looks at risks associated with marketing a product, such as environmental impacts and financial hardship. Students will also look at forms of advertising that can influence a potential customer, naming rights, and the role of advertising in promoting a product or service to an audience in both international and domestic settings.



ECOMMERCE 12

Prerequisite: None

In E-Commerce 12, students will receive an introductory knowledge into the world of business and marketing. Students will learn how marketing/business principles are translated into an online environment. This course addresses learning related to business development and practice using online channels. This course will focus on digital retail, revenue models, distribution solutions, and marketing practices. This course will analyze online marketing trends, online retail platforms, algorithm advertising, and various other online retail/marketing concepts.



ENTREPRENEURSHIP 12

Prerequisite: Marketing and Promotion 11

In Entrepreneurship 12, students will continue to build on the knowledge they gained from Marketing and Promotion 11. Students will continue to build and develop their business models that they created in Marketing and Promotion 11. Students will take these business models from theoretical to operational businesses. Students will design, manufacture, and potentially even sell their products. At the end of the course, students will participate in a cumulative activity where they will be given the opportunity to present their business to a panel of judges for a chance to win an award.





G.W. GRAHAM SECONDARY SCHOOL BUSINESS COURSES 2026-2027

FINANCE COURSES

These courses help students to develop the skills they need to pursue a career in finance. Finance courses take math skills, concepts, and knowledge and apply it to real world situations.



ACCOUNTING 11

Prerequisite: None

Accounting 11 is a course designed to provide students with an introduction to accounting concepts. Students will gain insights into financial problems and solutions, which have far-reaching benefits for entrepreneurial and professional careers. This course would be beneficial for those interested in pursuing careers in accounting or business. As well as students looking to gain valuable employable skills that can be transferred to various entry-level professional jobs.

ACCOUNTING 12

Prerequisite: Accounting 11

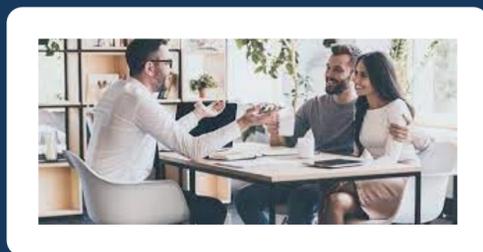
In Accounting 12, students will build upon the skills they learned in Accounting 11. Accounting 12 focuses on advanced accounting principles and practices. Learning includes financial reporting for sole proprietorships, partnerships, cooperatives and corporations, payroll practices, and inventory systems.

EVENT PLANNING 11

Prerequisite: None

Event Planning 11 is a course designed for students that are passionate about event planning, and/or interested in pursuing a career in event planning after graduation. Event Planning 11 will teach students the fundamental aspects of planning, organizing and running an event both on a small and large scale. Students will be given the opportunity to practice their event planning skills by creating, planning, organizing and running events in their school community. Event Planning 11 will provide students with opportunities to be creative, participate in their school community, and explore the career field of event planning.

Note: Events that are planned as a part of the course may occur outside of school hours. Students are expected to participate in the running of all events planned in the course.



EVENT PLANNING

Interested in planning both small and large scale school events? Want to learn the business aspect of event planning? or do you want to gain experience and skills that will make you more employable beyond high school? If so, you should consider an event planning course.

TAKE THE BUSINESS STREAM

GRADE 10
GRADE 11
GRADE 12

<ul style="list-style-type: none">• Entrepreneurship and Marketing 10
<ul style="list-style-type: none">• Marketing and Promotion 11• Accounting 11• Event Planning 11
<ul style="list-style-type: none">• Entrepreneurship 12• Accounting 12• E-Commerce 12



COMPUTER EDUCATION

COMPUTER STUDIES 10

Prerequisite: None

This course will introduce you to a variety of computer-based topics (depending on time & resources available). Learn about graphic design, coding, game design, 3D printing and more. You will use programs such as Adobe Photoshop, Blender, and Autodesk Fusion. While Computer Studies 10 is not a prerequisite to other computer or digital visual arts courses, it is a comprehensive introduction to computers and in the problem-solving process.

COMPUTER PROGRAMMING 11

Prerequisite: None

This course will feature Python in-depth for the first term, and game design using Unity in the second. If you are already comfortable with all aspects of Python and can demonstrate your knowledge, you may study a different programming language of your choice. You should be someone who enjoys coding, the problem-solving process, and working independently.

COMPUTER PROGRAMMING 12

Prerequisite: CP 11 or prior programming experience

This course will allow you to focus on programming projects that interest you. Learn a programming language of your choice. You may also begin or continue Unity game development. Alternative learning paths for programming are possible but will depend on interest and availability of resources. For example, previous students chose introductory work in cybersecurity or app design. This course is for students who enjoy coding, the problem-solving process, and working independently.

(MEDIA DESIGN) ANIMATION 10

Prerequisite: None

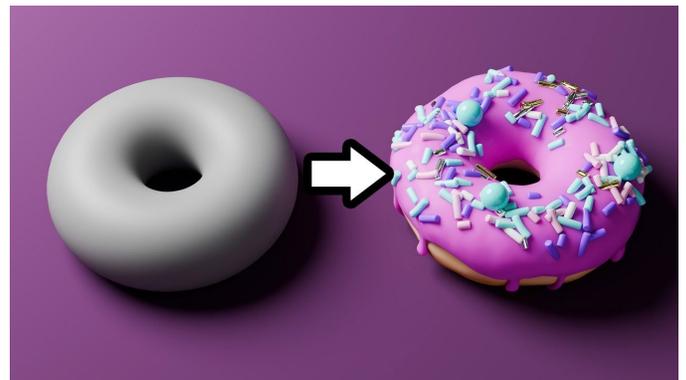
Do you want to create your own 2D or 3D animations using industry-standard software like Maya or Blender? This beginner course will allow you to choose one or both, and to work on beginner techniques & skills for 2D or 3D animation. Learn how to create 3D models (characters, objects, landscapes) or animate in 2D using the twelve principles of animation. While this course is not a prerequisite for Animation 11 or 12, it will give you a good foundation in animation techniques to start with.



(MEDIA DESIGN) ANIMATION 11

Prerequisite: Animation 10 or prior computer experience

In this intermediate course, what you study will depend on your prior animating and artistic experience. You will add to your knowledge & skills for 2D/3D animation. Topics can include rigging & animation, 3D models, special effects like smoke or water or cloth, or 2D animated art that incorporates the 12 principles of animation. Students without prior experience must do introductory tutorials to first bring their skills up to a minimum starting level.



(MEDIA DESIGN) ANIMATION 12

Prerequisite: Animation 11 or prior computer experience

In this extension of our intermediate course, what you study will depend on your prior animating and artistic experience. You will add to your knowledge and skills for 2D or 3D animation. Choose your animation path with advanced projects for rigging and animation, 3D models, character design, special effects like smoke or water or cloth, or 2D animated art. Students without prior experience must do introductory tutorials to first bring their skills up to a minimum starting level.

ENGLISH LANGUAGE ARTS

GRADE 9	HUMANITIES 9	HUMANITIES 9 FINE ARTS	HUMANITIES 9 GRAHAMX		
GRADE 10	ENGLISH FIRST PEOPLES 10: LITERARY STUDIES & WRITING	ENGLISH FIRST PEOPLES 10: LITERARY STUDIES & SPOKEN WORD	HUMANITIES 10 FINE ARTS	HUMANITIES 10 GRAHAMX	AP SEMINAR 10 (available in Grades 10-12)
GRADE 11	ENGLISH FIRST PEOPLES 11: LITERARY STUDIES & WRITING	LITERARY STUDIES 11	CREATIVE WRITING 11	AP LANGUAGE & COMPOSITION 11	
GRADE 12	ENGLISH STUDIES 12	ENGLISH FIRST PEOPLES 12	AP ENGLISH LITERATURE & COMPOSITION 12		
ELECTIVES	LITERARY STUDIES 12	CREATIVE WRITING 12			

* New Media 11 is not applicable for NCAA bound students *

HUMANITIES (ENGLISH) 9

Prerequisite: *English 8*

This course is run as part of the Humanities 9 program which combines all the learning outcomes of English 9 and Social Studies 9 in a blended, cross-curricular format. Students will comprehend and make connections to a variety of texts, as well as create their own texts and learn to communicate effectively in a wide range of formats and styles. Students will also learn about political and technological revolutions, the impacts of imperialism and colonialism, and the rise of national identities and nation states, with a focus on these changes on Canada.

HUMANITIES (ENGLISH) 9 – FINE ARTS

Prerequisite: *English 8*

This course is run as part of the Humanities 9 program which combines all the learning outcomes of English 9 and Social Studies 9. Students will have opportunities to explore these outcomes through an artistic and cross-curricular lens. This program focuses on creative expression, project based learning, and artistic collaboration. It is a great fit for “outside of the box” thinkers, and those looking for opportunities to challenge themselves by demonstrating their learning in different ways. It is strongly encouraged that students interested in Humanities Fine Arts also be enrolled in a visual or performing arts course or be involved in extra-curricular visual or performing arts activities.



ENGLISH 10 OPTIONS

Prerequisite: *English 9* or *English 9 Fine Arts*

Grade 10 students take Composition 10 and their choice of English First People’s **Literary Studies and Writing** or **Literary Studies and Spoken Word**. These courses are designed to be equal in complexity with many similar curricular competencies, as well as satisfy the *Indigenous-Focused Graduation Requirement*.

ENGLISH FIRST PEOPLES 10: LITERARY STUDIES & WRITING AND COMPOSITION

This course combines the exploration of Indigenous literary works with the development of advanced writing skills. Students will engage with a **diverse range of texts, including oral traditions, poetry, novels, plays, and contemporary media**, all through the lens of Indigenous perspectives and worldviews. The course emphasizes critical analysis of Indigenous literature, examining themes such as identity, resilience, connection to the land, and community. Students will strengthen their ability to engage with these texts while developing their own writing skills for a variety of purposes, including **literary analysis, creative compositions, and reflective writing**. By examining how Indigenous literature reflects cultural heritage and addresses contemporary issues, students will gain a deeper understanding of how storytelling serves as a means of preserving history and transmitting knowledge. Through both analytical and creative writing assignments, students will refine their writing techniques, improving their ability to express their thoughts clearly and thoughtfully. By the end of the course, students will have developed advanced literacy skills, a deeper appreciation for Indigenous storytelling traditions, and the ability to communicate effectively through both written and creative forms of expression.

ENGLISH 10 OPTIONS CONTINUED...

ENGLISH FIRST PEOPLES 10: LITERARY STUDIES & SPOKEN WORD AND COMPOSITION

This course integrates the study of Indigenous literary works with a focus on **spoken language** and **oral traditions**. Students will engage with a variety of texts, including oral stories, poetry, plays, and contemporary media, through an Indigenous lens, exploring the rich cultural heritage and worldviews embedded in these works. The course emphasizes the importance of oral language, where students will develop their skills in speaking, listening, and storytelling. Students will critically analyze the themes, symbols, and perspectives presented in Indigenous literature while also enhancing their ability to communicate effectively through spoken word. Activities will include **oral presentations, storytelling, and group projects** that allow students to practice and refine their speaking and performance skills. Through this combination of literary analysis and spoken expression, students will gain a deeper understanding of Indigenous ways of knowing, identity, and resilience, while also learning to convey their ideas powerfully and respectfully. By the end of the course, students will have strengthened their ability to engage with both written and oral texts, honed their spoken language skills, and developed a deep appreciation for the role of storytelling in preserving and transmitting Indigenous culture and knowledge.

Please note: the students who choose this option will be expected to speak, present, and perform in front of their peers on a regular basis; this is an important differentiation in the English First Peoples 10 courses.

"If there's a book that you want to read, but it hasn't been written yet, then you must write it."
-Toni Morrison-

HUMANITIES (ENGLISH) 10 – FINE ARTS

This program combines all the learning outcomes of English First Peoples 10 and Social Studies 10 in a blended, cross-curricular format. Students will comprehend and make connections to a variety of texts and themes, as well as create their own texts and learn to communicate effectively in a wide range of formats and styles. Students will also learn about the development of Canada in the twentieth century, including its growing involvement in international affairs. Significant social, political and economic changes redefined the character of the nation. Students will have opportunities to explore these outcomes through an artistic and cross-curricular lens. This program focuses on creative expression, project based learning, and artistic collaboration. It is a great fit for “outside of the box” thinkers, and those looking for opportunities to challenge themselves by demonstrating their learning in different ways.

It is strongly encouraged that students interested in Humanities Fine Arts 10 also be enrolled in a visual or performing arts course or have a solid background in visual or performing arts activities.



ENGLISH LANGUAGE ARTS

ENGLISH 11 OPTIONS

Prerequisite: Completion of an English 10 Course

ENGLISH FIRST PEOPLES 11: LITERARY STUDIES AND WRITING

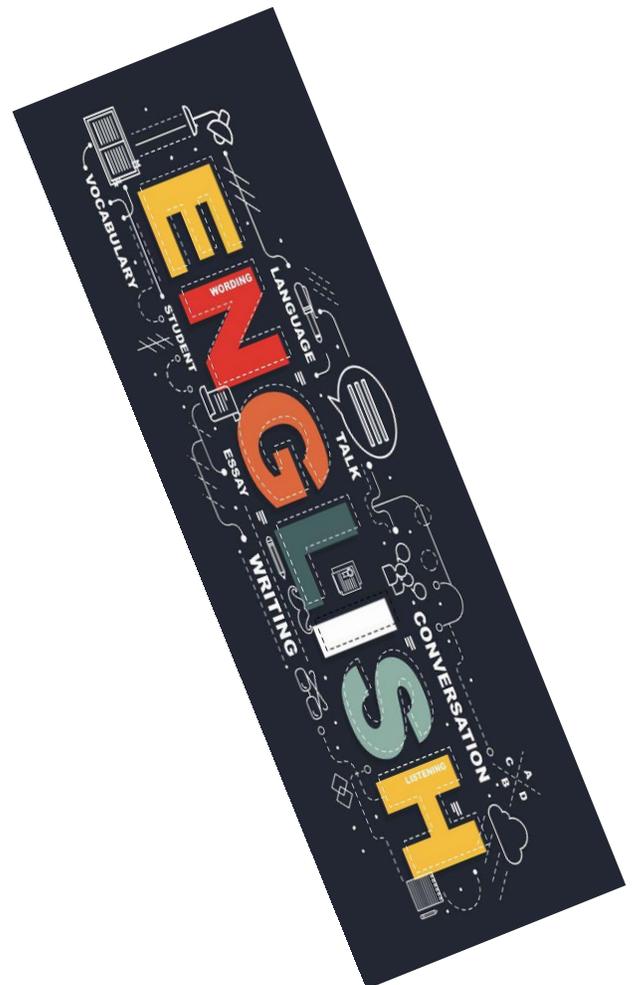
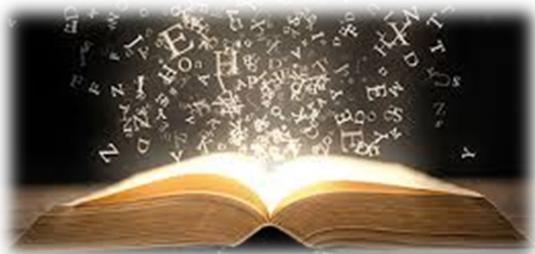
EFP Literary Studies and Writing 11 is designed for students who are interested in studying First Peoples literature and using writing for self-expression and communication in a variety of contexts. Students delve deeply into First Peoples oral and written literature in a range of media to explore various themes, authors, and topics. This provides a foundation for them to think critically and creatively as they continue to explore, extend, and strengthen their own writing. Within a supportive community, students work individually and collaboratively to explore oral and written literature and create powerful, purposeful compositions. Through the study of literature and the processes of experimenting with, reflecting on, extending, and refining their writing, students: extend their capacity to communicate effectively in a variety of contexts, deepen their understanding of themselves and the world, and expand their understanding of what it means to be an educated Canadian and global citizen.

LITERARY STUDIES 11

This course offers students the opportunity to read and explore a wide range of literature including novels, poems, short stories, graphic novels, and plays. With a focus on themes such as dystopia, death, love, and coming of age, students will engage critically with literature from various time periods and cultural perspectives, including Canadian, Indigenous, feminist, and world literature. The course emphasizes both the analysis of texts and the development of written communication skills for a variety of contexts. Students will refine their abilities to analyze, evaluate, and respond to literature, while also enhancing their writing for different purposes. Ideal for students who love reading and are considering AP Literature in Grade 12, Literary Studies 11 prepares students for advanced critical thinking, writing, and literary analysis.

CREATIVE WRITING 11

Creative Writing 11 is for students who want to refine their creative writing skills and express themselves through various genres, including short fiction, memoir, poetry, and creative non-fiction. The course focuses on the writing process from idea development to publication, helping students brainstorm, draft, revise, and edit their work. Students will explore personal and cultural identities, memories, and stories, experimenting with different forms such as flash fiction, script writing, and poetry, while learning about literary devices and genre conventions. In a supportive community, students will collaborate, critique, and strengthen their writing, culminating in a personal writing portfolio. This course is ideal for those looking to deepen their creative expression, prepare for future writing opportunities, and for those who wish to further their studies in Creative Writing 12.



ENGLISH LANGUAGE ARTS

ENGLISH 11 OPTIONS CONTINUED...

AP LANGUAGE AND COMPOSITION

The Advanced Placement Language and Composition course is designed to cultivate critical reading, writing, and rhetorical skills essential for success in post-secondary and beyond. This course engages students in the study of language as a powerful tool for communication and persuasion. Through a rigorous curriculum, students will explore a variety of texts including essays, speeches, novels, visual texts, documentaries, films, and articles, spanning different genres, time periods, and perspectives.

The course is structured around three main components:

- 1. Rhetorical Analysis:** Students will develop the ability to analyze and deconstruct the rhetorical strategies employed in written and visual texts through close examination.
- 2. Argumentative Writing:** Emphasizing the art of persuasion, students will hone their skills in crafting compelling arguments. Students will engage in writing tasks that require them to articulate and defend their perspectives with clarity and precision.
- 3. Synthesis and Research:** Through independent research and synthesizing multiple perspectives, students will enhance their ability to construct well-reasoned, evidence-based arguments.

The course will also focus on refining language usage, stylistic choices, and rhetorical devices to elevate students' writing to a sophisticated and nuanced level. Additionally, students will participate in regular class discussions, collaborative projects, and presentations to enhance their oral communication skills. Ultimately, AP Language and Composition prepares students to navigate the complexities of language and rhetoric, equipping them with the skills necessary for success in college, careers, and adult life.

Note: There is an optional exam in May (additional fee for the exam). If a student gets a high enough score on this exam, they may be able to obtain credit for a first-year university English course.

ENGLISH 12 OPTIONS

Prerequisite: Completion of an English 11 Course

ENGLISH STUDIES 12 (MENST12)

English Studies 12 is required for graduation. This course will emphasize the mastery of composition and language skills as well as challenging students with a variety of literary works. Activities and assignments assist students in expanding their vocabularies, developing mature written and oral expression, and writing formally in a variety of expository forms. Literature consists of fiction and non-fiction prose, poetry, and drama.

ENGLISH FIRST PEOPLES 12 (MENFP12)

English First Peoples 12 is the academic equivalent of English Studies 12 and satisfies the Grade 12 English language arts graduation program requirement. It is open to all students and is not intended for any one group. This course provides opportunities for all students to engage with indigenous creative expression and enter the worlds of First Peoples provincially, nationally, and internationally. The course focuses on the experiences, values, beliefs, and lived realities of First Peoples as evidenced in various forms of text— including oral story, speech, poetry, dramatic work, dance, song, film, and prose (fiction and non-fiction). The course is designed to enable students to develop the English language and literacy skills and capacities they must have in order to meet British Columbia's graduation requirements.



ENGLISH LANGUAGE ARTS

ENGLISH 12 OPTIONS CONTINUED...

AP ENGLISH LITERATURE & COMPOSITION 12

Prerequisite: B or better in an English 11 course

This 12-credit course covers the learning outcomes for three courses: Advanced Placement Literature & Composition 12, English Studies 12, and Literary Studies 12. Students will meet daily for the entire school year and will receive three separate course grades.

AP ENGLISH LITERATURE & COMPOSITION 12

AP English Literature & Composition is a challenging college-level course designed for students with a passion for reading and a love of literature. If you enjoy exploring complex texts and want to be in a class with others who share your enthusiasm for English, this course is perfect for you! Students will dive into novels, plays, poetry, and more, analyzing themes, characters, and literary devices while developing critical thinking and advanced writing skills. Classroom discussions are key, providing opportunities to share ideas and deepen understanding. Independent reading and study are essential, and the course also covers the learning outcomes of English Studies 12. If you're excited to engage deeply with literature, be surrounded by like-minded peers who share your enthusiasm for English and push your intellectual curiosity and literary skills to new heights, AP English Literature & Composition offers the perfect environment for you!

ENGLISH STUDIES 12

English 12 is required for graduation. This course will emphasize the mastery of composition and language skills as well as challenging students with a variety of literary works. Activities and assignments assist students in expanding their vocabularies, developing mature written and oral expression, and writing formally in a variety of expository forms. Literature consists of fiction and non-fiction prose, poetry, and drama.

LITERARY STUDIES 12 – AP

Literature 12 is an engaging elective survey course that takes students on a literary journey through a rich tapestry of English literature, spanning from the medieval period to the present day. This course is perfect for students with a deep passion for reading novels, plays, and poetry, who want to explore a wide array of literary works. In Literature 12, students will dive into the world of major poets, essayists, novelists, and playwrights, uncovering timeless themes and exploring the evolution of literary styles across centuries. While this course is not a substitute for English 12, it offers an exciting opportunity for students to engage with some of the greatest works of literature in a more intellectually stimulating environment. This course is perfect for those who want to deepen their love of reading and writing while gaining a comprehensive understanding of literary history.

ENGLISH 12 ELECTIVE OPTIONS

(courses that do not satisfy the graduation requirement, but can be selected as an elective)

CREATIVE WRITING 12

Prerequisite: B or better in an English 11 course

The Creative Writing course is an elective intended for students who possess imagination and a strong interest in creative expression through language. This course will look at what it takes to be a writer and provide students with the opportunity to experiment. Writers explore and expound their personal views of the universe through poetry, drama, short stories, and a variety of writing exercises designed to develop their skills. By the end of the course, students will have created a portfolio of writing that reflects their understanding of the skills required to produce quality work. Evaluation will be based on assessment of skill-building assignments and developing work, a final portfolio, participation, and submission of several pieces of writing for publication. Creative Writing 12 is open to capable grade 10 and 11 students with permission.

LITERARY STUDIES 12

Prerequisite: C+ or better in an English 11 course

Literature 12 is an engaging elective survey course that takes students on a literary journey through a rich tapestry of English literature, spanning from the medieval period to the present day. This course is perfect for students with a deep passion for reading novels, plays, and poetry, who want to explore a wide array of literary works but may not be able to fit AP Literature into their schedule or prefer to study without the Advanced Placement curriculum. In Literature 12, students will dive into the world of major poets, essayists, novelists, and playwrights, uncovering timeless themes and exploring the evolution of literary styles across centuries. While this course is not a substitute for English 12, it offers an exciting opportunity for students to engage with some of the greatest works of literature in a more intellectually stimulating environment. This course is perfect for those who want to deepen their love of reading and writing while gaining a comprehensive understanding of literary history.

HOME ECONOMICS

Home Economics (ADST) is a practical and theory component that draws knowledge from many disciplines and uses the experiences and needs of students to make learning meaningful. It fosters the critical thinking and problem-solving skills needed to manage individual and family resources.

GW Gaham options include:

- ✓ *Child Development and Caregiving 12*
- ✓ *Fashion and Design 10, 11, 12*
- ✓ *Fashion Industry 12*
- ✓ *Food Studies 10, 11, 12*
- ✓ *Housing and Living Environments 12*

CHILD DEVELOPMENT & CAREGIVING 12

Prerequisite: None

This course takes you through every stage of caregiving: from planning for children to pregnancy/childbirth, child development, and parenting. Dive into interactive discussions and activities that highlight ways to nurture and encourage a child's growth. Highlights include designing a dream nursery, exploring global cultural childrearing practices, and creating engaging activities for young children. Whether you're considering a career in teaching or early childhood education (ECE), or you're simply looking to prepare for parenthood, this course is your gateway to understanding and supporting children. Hands-on experiences bring learning to life with guest speakers, visits and interviews with young children, and a chance to participate in an infant care simulation with a lifelike robot baby! Join this unforgettable journey to discover the joy and responsibility of caregiving at every stage of childhood.



HOUSING AND LIVING ENVIRONMENTS 12

Prerequisite: None

What kind of spaces enhance your sense of comfort and well-being? How does the design and decor of our homes reflect our personality and societal trends? How can you use design elements and principles, as well as various types of materials to create more inviting spaces? How can we use more sustainable materials in housing? What do I need to do to afford my own home? Can I turn a passion for design into a career? In this course, we will explore these questions and other aspects of housing, interior decorating, and design as you plan and create interior spaces to meet the needs of those who live in them.



HOME ECONOMICS

FOOD STUDIES 10 – INTRO

Prerequisite: None

An introductory foods course that will consider not only how, but also why food is prepared, served, and stored in certain ways. This is a survey course that teaches the basic cooking techniques needed to successfully prepare foods for breakfast, lunch, dinner, and dessert. Students will begin to adapt and alter recipes, as part of learning how to be a proficient designer. Special events may include a gingerbread design project.

FOOD STUDIES 10/11 – INTERMEDIATE

Prerequisite: Students (any grade level) who have taken *Food Studies – Intro 10*

An intermediate foods course that introduces more advanced cooking skills and techniques. Students will explore a variety of foods and cooking techniques such as soups, meats, vegetables, cakes and yeast breads. Foods from other cultures may be included, as well as the opportunity to look at vegetarian options. Students will continue to work on their design skills throughout each unit, culminating in a food truck concept that they design, menu plan, and execute.

FOOD STUDIES 11 – ADVANCED

Prerequisite: Students who have taken *Food Studies 10 – Intro* and *Intermediate*

This course introduces students to more advanced food preparation techniques. We explore a wide variety of cooking principles that will escalate your kitchen abilities, increase your confidence, and kick start your way to independent cooking. In addition to great tasting recipes, students will learn about some hot topics in the food industry such as, food security, budgeting, meal planning, and foods from around the world. Students may also have an opportunity to take the Food Safe Level 1 course and exam offered by Fraser Health (additional cost of \$30.00). Successful students will receive a Food Safe certificate which is an asset when working in the food industry.

FOOD STUDIES 12 – ADVANCED

Prerequisite: *Food Studies 11 – Advanced*

This course runs alongside Foods 11. It will compliment what you have already learned and then push your knowledge and abilities to the next level. We will focus on honing your kitchen skills with the expectation that you will be adding more elements of design and personal touches to your recipes, bringing your kitchen skills to the next level. Students will leave more confident in their abilities to cook for themselves and others. Students will also have an opportunity to make a wide range of recipes, use authentic tools, equipment, and ingredients to make dishes from cuisines found around the world. Students will also learn about current issues in the food industry.

SPECIALIZED FOODS AND CULINARY ARTS 12

Prerequisite: *Food Studies 11* and/or *12 Advanced*

These advanced foods classed are 2 courses bundled into one, specially designed for the baking enthusiast who has a personal interest in specialty baking. This course will offer a double block of advanced training. Check out the *Specialty Programs* section of this booklet for more information about this program.

This opportunity consists of the following courses:

- **Culinary Arts 12 – Advanced Product Development**
- **Specialized Foods 12 – Baking & Pastry**



HOME ECONOMICS

FASHION & DESIGN 10 – INTRO

Prerequisite: None

Do you enjoy expressing yourself through clothing? Are you interested in sewing or developing your own personal style? Fashion & Design Intro is an introductory course designed to explore the world of fashion while building foundational sewing and garment construction skills.

Students will learn both hand and machine sewing techniques, gain an understanding of pattern construction and fitting, and complete a series of beginner-friendly projects that introduce essential skills. As their confidence grows, students will have the opportunity to select additional projects in consultation with the teacher. These may include garments such as hoodies, shirts, skirts, dresses, and shorts, as well as accessories and textile items like zippered pouches, duffle bags, quilts, pet beds, embroidery, crochet pieces, or stuffed toys.

In addition to practical skills, students will examine aspects of clothing selection and the fashion industry, including design elements, fabric and fibre choices, fashion influences, and the environmental impact of textile production.

Some materials will be provided for smaller assignments. Students may be required to supply fabric, patterns, and notions for larger personal projects.

Students who complete this course will receive credit for Textiles 10.

FASHION & DESIGN 11 – INTERMEDIATE

Prerequisite: *Fashion & Design – Intro* Highly Recommended

If you have completed Fashion & Design 10 or are already comfortable and confident using a sewing machine, this course is the next step in advancing your skills. Fashion & Design: Intermediate builds on foundational techniques and introduces more complex construction methods, enabling students to take greater creative and technical ownership of their work.

Students will deepen their understanding of textiles, including fibre content, fabric construction, and material characteristics. They will explore pattern manipulation and garment fitting, enhancing their ability to create projects tailored to their individual measurements and personal style. In addition, students will further develop their design knowledge, learning how fabric choice, garment details, and construction techniques influence the final product.

This course introduces more advanced sewing methods and the proficient use of commercial patterns. Project selections will be personalized and determined in collaboration with the teacher. Possible projects may include garments incorporating advanced design features or techniques, such as pants, jeans, unlined jackets, or the use of more challenging fabrics.

Some materials will be provided for smaller projects. Students may be required to supply their own patterns, fabric, and notions for larger, individualized projects.

Successful completion of this course will earn credit for Textiles 11.

FASHION & DESIGN 12 – ADVANCED

Prerequisite: *Fashion & Design - Intermediate*

Continue to refine and elevate your fashion and textile design abilities in this advanced-level course. Students will expand their expertise in pattern drafting, garment construction, and textile manipulation while exploring sophisticated design concepts and techniques.

Learners will apply advanced construction and fitting methods using commercial patterns or modified, self-drafted patterns. Project work will be highly individualized and developed in consultation with the teacher. Potential projects may include the creation of complex garments and work with challenging fabrics such as lined jackets or coats, velvet, leather, synthetics, or sheer materials. Students may also choose to design and draft original patterns, explore advanced quilting or textile techniques, produce technical or functional items such as outdoor or hiking equipment, repurpose existing textiles through recycling or upcycling, or incorporate specialized equipment beyond the basic sewing machine—such as a serger, cover stitch, or embroidery machine.

Some materials will be supplied for smaller assignments. Students may be required to provide patterns, specialty fabrics, and notions for larger or personalized projects.

Successful completion of this course will earn credit for Textiles 12.

FASHION INDUSTRY 12

Prerequisite: *Fashion & Design Intermediate* and/or *Advanced*, or Teacher Permission.

Are you ready to take your design and construction skills further? This course is designed for Grade 11/12 students who have completed Fashion & Design Advanced and are eager to deepen their creative abilities. Students will have the opportunity to refine existing skills and explore new techniques in areas that personally inspire them.

While a foundation in sewing is expected, learning in this course can move in a variety of directions. Students will have the freedom to investigate advanced methods and creative processes that elevate their work—such as fabric dyeing, pattern development, textile arts, surface design, or creating a themed mini-collection. The focus is on skill exploration, personal expression, and expanding technical knowledge.

Projects will be based on individual interests in consultation with the teacher and may include fashion sketching, textile experimentation, wearable pieces, accessories, home décor items, or specialty techniques such as quilting, knitting, embroidery, or printing. Some materials will be supplied for smaller projects; however, students may need to provide patterns, specialty fabrics, or notions for larger or more complex pieces.

This course encourages curiosity, creativity, and confidence—supporting students in developing advanced skills and discovering new ways to express their ideas through textiles and design.

HUMAN SERVICES

PEER TUTORING 11/12

Prerequisite: Application and Permission from Administrator

Students interested in the Human Services and/or teaching profession have an opportunity to experience and reflect on teaching in a real classroom setting. Peer Tutoring is a combination of teaching/learning theory and application with an emphasis on working with a teacher in a specific subject/grade level that they have completed themselves previously. Students experience working with other students in one-on-one or small group situations in the student's designated block. Current teaching and learning theory is examined, discussed, and applied in practicum situations. Assessment focuses on the student's reflection and growth as shown through online assignments and self and placement teacher evaluations. Students in Peer Tutoring 11 will prepare (not teach) a lesson for their placement class. In Peer Tutoring 12, the students will prepare and teach short lessons and receive feedback from their placement teacher.

Students must consult with their counsellor for an application form and approval. Otherwise, an alternate elective will be scheduled.

CRIMINOLOGY 11

Prerequisite: None

Have you ever wondered what drives people to commit crime? Criminology is the scientific study of crime and criminals and through this course students will explore different types of crimes and the people who commit them. Through discussions, activities, guest speakers and inquiry, students will be doing a deep dive into the theories behind some of Canada's most notorious crimes. Students will also be exposed to different career paths in the field of Criminal Justice and gain firsthand experience in what these careers look like. Students will also have the opportunity to investigate areas of personal interest within the field of criminology.

PSYCHOLOGY 11

Prerequisite: None

Unlock the mysteries of the mind! Ever wondered why people have such unique personalities, what your dreams really mean, or how the brain shapes your behavior? Step into the fascinating world of psychology and uncover the answers! Explore topics like personality, brain function, lifespan development, perception, and motivation in ways that connect directly to your life. Engage in interactive labs, thought-provoking case studies, films, and real-world experiments that bring psychology to life. Discover what truly makes you... you!

PSYCHOLOGY 12

Prerequisite: None

Have you ever wondered.... what drives someone to join a cult? Why do we fall in love? Can you actually train someone to obey your will? How can you remember everything for that test? Find out as you explore advanced topics in psychology, from learning

and memory to psychological disorders and treatments to social interactions. This course dives into group dynamics, real-life current cases, and groundbreaking psychological theories. Through hands-on activities, captivating projects, and compelling experiments, you'll not only understand the actions of others but also enrich your understanding of yourself.

AP PSYCHOLOGY 12

Prerequisite: None

Why do we think, feel, and act the way we do? Find out in Advanced Placement Psychology, a university-level course that takes you on a journey through the fascinating science of the mind. Explore everything from brain biology and the roots of emotion to motivation, psychological disorders, personality, and the groundbreaking theories that explain what makes us tick. Apply these insights to real-life situations, transforming how you see yourself and the world around you. Through hands-on activities and current case studies, you'll gain a deeper understanding of yourself and those around you while sharpening your critical thinking skills. By the end, you'll be fully prepared for the AP exam—and might even earn college credit based on your performance.

Whether you dream of a career in social work, therapy, teaching, or simply want to satisfy your curiosity about the human mind, AP Psychology offers an eye-opening experience. It will challenge you, inspire you, and equip you with the tools to think critically about the world. Get ready to discover what it truly means to be human!

HUMAN DIVERSITY IN SOCIETY 12

Prerequisite: None

Human Diversity in Society 12 invites students to explore the complexity of human identity, the systems that shape our lived experiences, and the ways individuals and communities work toward equity and justice. This course fosters critical and creative thinking about inclusion, representation, and belonging, while equipping students with tools to analyze power, challenge misinformation, and engage ethically with others across differences. Students will examine identity through lenses of race, culture, gender, sexuality, ability, and class while connecting local and global contexts. Through inquiry, media literacy, dialogue, and creative projects, students will develop empathy, civic awareness, and advocacy skills essential for navigating an increasingly diverse and interconnected world.



Bonjour!

Parles
français?



¡Hola, amigos!

¿Qué pasa?

G.W. GRAHAM LANGUAGES

“Because I speak another language . . .

I have never lacked employment opportunities

I have been able to aid refugees from Colombia

I easily obtained a mid-level management position

I have been able to negotiate wage increases

I have been easily welcomed into communities

I have helped people receive medical care

I have traveled extensively

**... and you can
do it too!”**

LANGUAGES: FRENCH

FRENCH 1

Prerequisite: None

The focus of level 1 French is to develop the four essential language skills: Reading and Listening comprehension and Writing and Spoken production. This is an introductory course and while French 8 is beneficial it is not a requirement. A variety of resources incorporating culture provide the framework for growth and development at this level. A range of formative and summative assessments (practice exercises, quizzes, tests, presentations and projects, individual and group) provide the students with the opportunity to demonstrate their skill level and knowledge. Please note speaking in class is a requirement for a language course. The primary focus in Level 1 is to prepare the student for level 2 French, by developing a foundation of knowledge and applicable skills to succeed at the next level.

FRENCH 2

Prerequisite: *French 1*

French is Canada's other official language. Those who continue on in French have improved job opportunities and access to many universities! The goal of functional bilingualism is possible, as we continue to focus on the development of speaking and listening comprehension and written and spoken production in level 2 French. The use of the target language is stressed and students are empowered with the knowledge and skills to succeed. Students explore the language through both traditional methods and TPRS (teaching proficiency through reading and storytelling) There is a final assessment at the end of the course that assesses the four essential language skills: reading, speaking, listening and writing.

FRENCH 3

Prerequisite: *French 2*

In level 3, students have the opportunity to progress and solidify their knowledge, comprehension and speaking skills developed in level 2. The use of the target language is stressed at all times. Course readings are supplemented with films, music and other resources as needed. The student has the opportunity to continue to learn about French culture within the context of language. Students often work in groups and partners to complete interactive and experiential tasks throughout the semester. In addition, students complete individual exercises, quizzes and tests as the semester progresses. Students use their previous reading and speaking skills to complete a French Literature circle. There is a final assessment at end of the course to assess both input and output abilities.

FRENCH 4

Prerequisite: *French 3*

The rewards of continual study of Canada's other official language are experienced in Level 4. Students communicate with increasing ease and fluency and their comprehension and written output improves significantly. Students continue to explore French through a variety of resources with a focus on written and oral output. Student's knowledge of the francophone world expands as do their future travel opportunities in the target language! A lit circle project will help students to dive into French culture and expand on their critical thinking skills. Students are well on their way to meeting the goal of functional bilingualism as they complete French (12).



LANGUAGES: HALQ'EMÉYLEM

Halq'eméylem

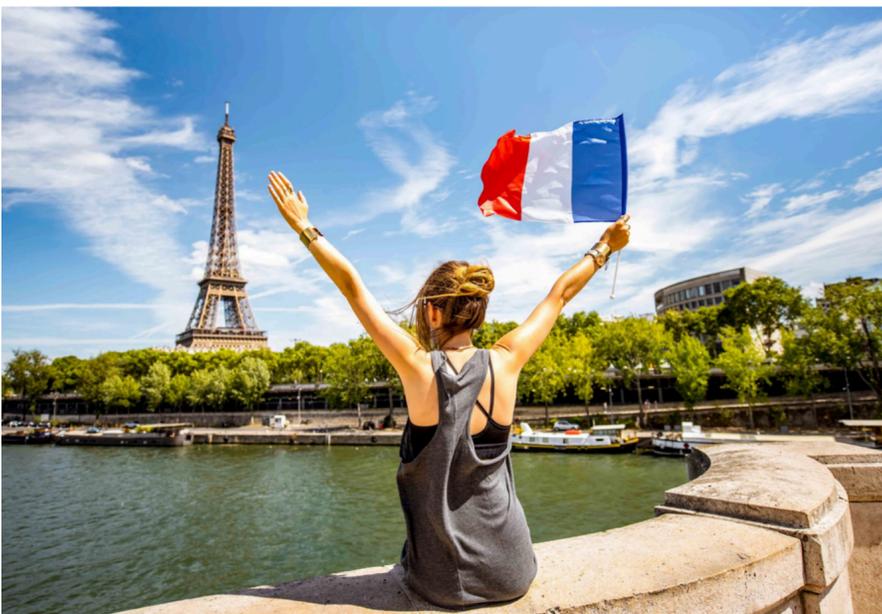
HALQ'EMÉYLEM

Prerequisite: None

In this course, students will focus on the Upriver Halq'eméylem language spoken by the Sto:lo people on whose land our community lives, works, and goes to school. Students will actively engage in the Sto:lo culture, be inspired through the development of intercultural understanding, and join in Aboriginal language revitalization. Successful completion of this foundational course prepares students for progression into higher levels of study in Halq'eméylem and Sto:lo cultural learning. As well as the benefits Halq'eméylem education provides First Nations People, it also benefits non-aboriginal students in our diverse community.



LANGUAGES FOR TRAVEL



LANGUAGES FOR TRAVEL

Prerequisite: None

Are you dreaming of a future traveling the world? Don't let language be a barrier to your travels! Communicate and navigate cultural differences in a new country while exploring rich history around the world. Wow your friends by recognizing famous landmarks and the history behind them. Be introduced to languages such as French, Italian, Korean, and Spanish.

This course is designed to prepare students for international travel. Students will explore different customs around the world, travel etiquette, and how to plan, book, and pack for travels around the world. This project-based course will use some of the target language in class. Prior knowledge is not necessary. Come share your passion for travel with others!



LANGUAGES: SPANISH

SPANISH 1

Prerequisite: None In Spanish 1 students focus on communicating in Spanish via reading, writing, and speaking. Vocabulary revolves around everyday life situations and the basics of Spanish grammar are thoroughly explained.



SPANISH 2

Prerequisite: *Spanish 1* In Spanish 2 students improve their skills in the areas of reading, writing, and speaking. Vocabulary and cultural knowledge expand, encouraging students to think outside their worldviews. Grammar concepts deepen, allowing for a greater sense of becoming fluent in the language. Short stories, novels, and films are tools for conversation.



SPANISH 3

Prerequisite: *Spanish 2* In Spanish 3 students sharpen their skills and begin to “find their voice.” The works that are read become both longer and more satisfying. Grammar concepts allow for enhanced story-telling abilities and analysis of films.

SPANISH 4

Prerequisite: *Spanish 3* In Spanish 4 fluency is pursued through conversation, dialogue, discussion, and reflection on short works and films. The finer nuances of grammar are explored and students select a final project.



**DON'T WAIT!
BE AWESOME! TAKE SPANISH!
YOU CAN DO IT! ¡NO PROBLEMA!**



Leadership Program

Help build a great community in our school



WHAT DO YOU DO IN LEADERSHIP?



ORGANIZE/RUN FUNDRAISER ACTIVITIES

In Leadership you will be responsible for planning and running fundraisers (from slinging sundaes to selling pizza) in order to give back to both our school and broader community.



PLAN SCHOOL EVENTS THAT FOSTER COMMUNITY

Leadership students plan and run events (of their choosing) that boost school spirit. Students also learn how to advertise and promote these events to gain student attention.



LEARN LEADERSHIP SKILLS AND FIND YOUR VOICE AS A LEADER

Students learn skills to become effective leaders. Throughout the course students will find their voice and identity as a leader.

WHY SHOULD I TAKE LEADERSHIP?



Leadership is a class designed to teach students leadership skills and to create memorable and enriching experiences for students.

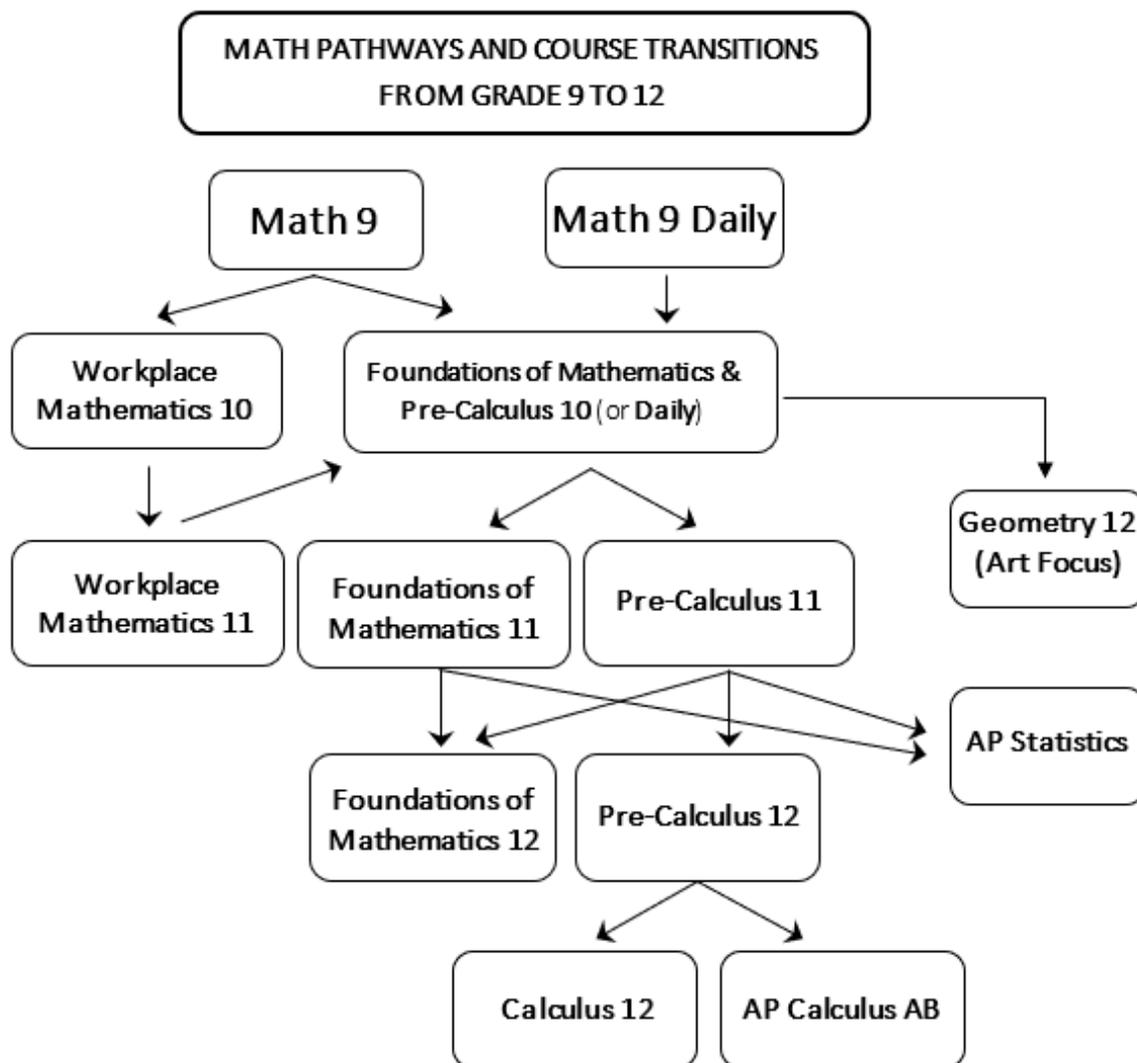
Leadership is a great way for students to make friends, be a part of a community that wants to uplift and enhance our school, and plan fun and enriching events for the school community. Leadership teaches students how to be leaders and find their voice. Leadership students learn how to promote and run school events in an effective and efficient way. Leadership students gain volunteer hours through their participation in the events they plan and through other leadership exclusive school-based volunteer opportunities. Find



MATHEMATICS

Mathematics (through to Grade 11) is a requirement for secondary school graduation. After completing Mathematics 9, students have a choice of different mathematics at the Grade 10, 11, and 12 levels. Students need to choose a pathway based on their individual interests and their education and career plans. **To be successful, regular home study and homework completion is expected of all students.**

Math Pathway and Course Transitions from Grade 9 to 12



Students interested in a career in Mathematics are encouraged to take more than one stream of Mathematics in high school. Talk to your math teacher for more information!

“WHICH MATH COURSE IS BEST SUITED TO MY NEEDS?”

While there is no “rule” about which Math course is right for each student, the decision can be made easier by thinking about your ability in Math, your interest in Math, and your future education and career plans. The courses have been designed to facilitate student success after high school. Your education choices after high school depend, in part, on the courses you take in high school. To find out more information about each pathway option, please talk to your counsellor and math teacher. Please remember that Grade 10 has only two courses but there are three pathways in Grade 11 and 12. Please review the diagram above. Students who choose Grade 10 Workplace cannot move to the Foundations stream easily.

MATHEMATICS

Choosing your **Grade 10** Math Course

Workplace Math 10 AND
Foundations of Math & Pre-Calculus 10
Topics covered in Both Courses:

- Right Angle Trigonometry
- Income & Deductions

**** Denotes that these topics form a large portion of the course material**

Topics covered ONLY in
Workplace Math 10

- Measurement Conversions
- Surface Area & Volume
- Interpreting Graphs
- Angles & Parallel Lines
- Central Tendency
- Experimental Probability

Math 9 skills needed to be successful
in Workplace Math 10

- Understanding **when to use** different number operations:
 - o Addition/Subtraction
 - o Division/Multiplication
- **General Number** work
(Could be with the help of a calculator)
- Solving Proportions:

Find the missing number $\frac{3}{7} = \frac{24}{x}$

Topics covered ONLY in
Foundations of Math & Pre-Calculus 10

- Factors/Multiples
- Roots/Powers
- Multiplying Polynomials **
- Factoring **
- Functions/Relations
- Arithmetic Sequences
- Graphing Linear Functions **
 - o Slopes/Intercepts
 - o Domain/Range
 - o Equations
- Systems of Linear Equations

Math 9 skills needed to be successful in
Foundations of Math & Pre-Calculus 10

- **Number Skills**
 - o Positive/Negative Numbers
 $-6 - (-2) =$
 - o Doing simple calculations without a calculator
 $(\sqrt{16} - 2)^2 =$
- **Exponent Skills**
 - o Using Exponent Rules
 $3^5 \times 3^2 = 3^7$, $3^5 \div 3^2 = 3^3$ and $(3^5)^2 = 3^{10}$
- **Algebra Skills****
 - o Ability to work with variables
Isolate y : $5x + y - 75 = 0$
 - o Solving equations with more than 2 steps
Find the value of x : $2x + 3 = -1 - 4x$
 - o Multiplying Monomials/Polynomials
Expand & Simplify: $2x(5 - x) + 7x$

MATHEMATICS

MATHEMATICS 9

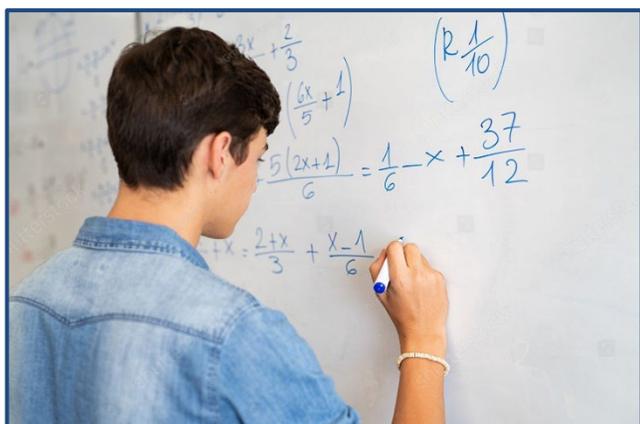
Prerequisite: Mathematics 8

This course introduces students to algebra. The foundation is laid with the understanding of variables, solving algebraic equations and expressions, working with polynomials, factoring, and measurement. The curricular competencies (reasoning & analyzing, understanding & solving, communicating & representing, and connecting & reflecting) are interwoven throughout the mathematical topics. There is an emphasis on student responsibility for learning. Homework is a necessity to reinforce the more difficult concepts learned in preparation for future math courses.

MATHEMATICS 9 DAILY

Prerequisite: Mathematics 8

This course covers the same content and course goals as Mathematics 9 but allows for twice the amount of time to find success with the curriculum as students will take Mathematics 9 every day all year, rather than just one semester. The daily format will provide students with more time for processing and practice, enrichment games and activities, as well as individualized support for gaps in understanding of concepts from prior math courses that become apparent as the course progresses. The goal for this course is to have students build confidence and success with the material to better prepare for Foundations of Math and Pre-Calculus 10.



WORKPLACE MATH 10

Prerequisite: *Mathematics 9*

This pathway is designed to provide students with the mathematical understanding and critical-thinking skills identified for direct entry into the workforce. Topics include angles, geometry, measurement, number, central tendency, finance, and probability. The curricular competencies (reasoning & analyzing, understanding & solving, communicating & representing, and connecting & reflecting) are interwoven throughout the mathematical topics.

FOUNDATIONS OF MATH & PRE-CALCULUS 10

Prerequisite: *Mathematics 9* (Developing or higher, recommended)

This course introduces students to the mathematical understandings and critical-thinking skills further developed in the Foundations of Mathematics and Pre-Calculus pathways. Topics include algebra, number, finance, probability, and relations & functions. The curricular competencies (reasoning & analyzing, understanding & solving, communicating & representing, and connecting & reflecting) are interwoven throughout the mathematical topics. This course has a final exam worth 20% of the student's overall mark.

FOUNDATIONS OF MATH & PRE-CALCULUS 10 DAILY

Prerequisite: *Mathematics 9* (Developing or higher, recommended)

This course covers the same content and course goals as Foundations and Pre-Calculus Math 10 (FMP 10), but it allows for twice the amount of time to find success with the curriculum. Students will take FMP 10 every day all year, rather than just one semester. This is an academic course that requires students to be committed to working hard and studying outside of class time. The daily format will provide students with more time for processing, practice, and enrichment activities. It also allows for more individualized support for learning gaps in understanding from prior math courses. Students successfully completing FMP 10 daily will be recommended to take Foundations of Math 11 or Pre-Calculus 11. This course has a final exam worth 20% of the student's overall mark.

MATHEMATICS

“WHAT COURSE DO I TAKE FOR GRADE 11 MATH, IF I WAS IN FOUNDATIONS OF MATHEMATICS & PRE-CALCULUS 10?”

The answer will be an individual decision for each student. The Foundations pathway was designed for students who wish to go to University or College and study a program that does NOT require theoretical Calculus. The Pre-Calculus pathway was designed for students who are going to enter higher level Mathematics, Sciences, or Engineering where Calculus is a required course or field of study. This is the most challenging pathway.

Choosing your Grade 11 Math Course

Foundations of Math 11 & Pre-Calculus 11 Topics covered in Both Courses:

- Trigonometry (Sine/Cosine Laws)
- Characteristics of Quadratic Functions (With or without technology)
- Financial Literacy (Investments & Loans)

Topics covered ONLY in Foundations of Math 11

- Properties of Angles (Transversals & Parallel Lines, Angles in Polygons)
- Inductive & Deductive Reasoning
- Analyzing puzzles/games & Problem Solving
- Statistics (Normal Distribution, Standard Deviation, z-scores, Confidence intervals/levels)
- Model & Solve Systems of linear inequalities and equations.
- Solve Linear-Quadratic & Quadratic-Quadratic equations graphically.
- Scale Models

Skills you should be comfortable with before taking FOM 11

- Solving proportions:
 - o $\frac{3}{7} = \frac{24}{x}$
- Solving Trigonometry problems using Sin, Cos, Tan, and Pythagoras
- Greatest common factors:
 - o Find the GCF of $24xy^3$, $8xyz$, and $12x^2y^2$
- Substituting values into equations:
 - o Find y when $x = 5$: $y = -\frac{2}{3}(x + 4)$
- Isolating Variables
 - o Solve for y : $5x - 3y + 75 = 0$
- Graphing Linear Functions
 - o Graph the function $y = -\frac{1}{7}x + 3$

Topics covered ONLY in Pre-Calculus 11

- Radical Expressions & Equations
- Rational Expressions & Equations
- Angles in Standard Position (Including primary trig functions and special angles)
- Factoring Quadratic Expressions** & Completing the Square
- Solving problems involving quadratic equations**
- Sequences & Series
- Exponential Functions

Skills you should be comfortable with before taking PREC 11

- Solving Trigonometry problems using Sine, Cosine, Tangent and Pythagoras
- Factoring Trinomials of the form $ax^2 + bx + c$
 - o Factor $4x^2 + 2x - 30$ to get $2(2x - 5)(x + 3)$
- Simplifying Radicals
 - o $\sqrt{60} = 2\sqrt{15}$
- Converting between General Form, Slope-Point Form, and Slope-Intercept form for Linear Functions
- Graphing Linear Functions
 - o Graph the function $5x - 3y + 75 = 0$

MATHEMATICS

FOUNDATIONS OF MATH 11

Prerequisite: *Foundations of Math and Pre-Calculus 10*

The Foundations pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus. Topics include financial mathematics, geometry, numbers, logical reasoning, relations & functions, statistics, and algebra. The curricular competencies (reasoning & analyzing, understanding & solving, communicating & representing, and connecting & reflecting) are interwoven throughout the mathematical topics. Students completing Foundations of Mathematics 11 fulfill their secondary school graduation requirement but may choose to take Pre-Calculus 11 and/or Foundations of Mathematics 12. This course has a final exam worth 20% of the student's overall mark.

WORKPLACE MATH 11

Prerequisite: Any Mathematics 10

This pathway is to provide students with the mathematical understanding and critical-thinking skills identified for direct entry into the work force. Topics include measurement, numbers, 2D & 3D representations, statistics, and finance. The curricular competencies (reasoning & analyzing, understanding & solving, communicating & representing, and connecting & reflecting) are interwoven throughout the mathematical topics. Students completing Workplace Mathematics 11 fulfill their secondary school graduation requirement in mathematics, however some post-secondary institutions may require the completion of an entrance exam. Students should book an appointment with the career advisor for more information.

PRE-CALCULUS 11

Prerequisite: *Foundations of Math and Pre-Calculus 10*

The Pre-Calculus pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that require the study of theoretical calculus. Topics include algebra and numbers, relations and functions, trigonometry, radical and rational expressions and equations, sequences & series, linear and quadratic inequalities, and finance. The curricular competencies (reasoning & analyzing, understanding & solving, communicating & representing, and connecting & reflecting) are interwoven throughout the mathematical topics. Students completing Pre-Calculus 11 fulfill their secondary school graduation requirement in mathematics but may choose to continue with the study of Pre-Calculus 12 and Calculus 12 or AP Calculus AB. This course has a final exam worth 30% of the student's overall mark.

GEOMETRY 12 (ART FOCUS)

Prerequisite: *Foundations of Mathematics and Pre-Calculus 10*

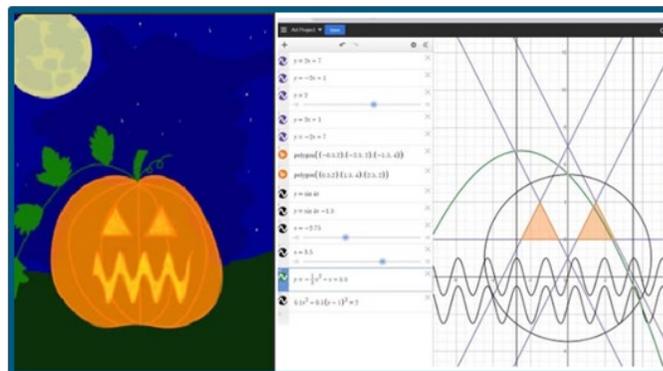
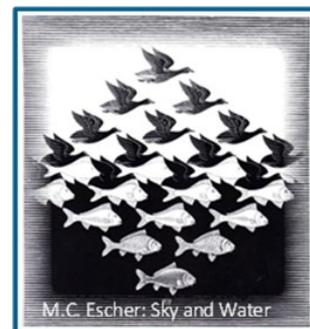
Geometry 12 is an exploratory Math Course concerning shape and space. This course will focus on these concepts through an artistic lens. Students will be working with Desmos to model mathematical and nonmathematical phenomena in Geometry as well as working with different mediums to display mathematical concepts through art. In this course we will also explore different artists who are known for their geometric art.

Geometry is used in a multitude of disciplines rooted in the arts, including animation, architecture, 3D modelling, product design, graphic design, and video game design. Geometry 12 Art Focus will cover 5 general mathematical topics:

Geometric Constructions, Circle Geometry, Constructing Tangents, Transformations of 2D shapes (including the isometries and affine transformations), Perspective and non-Euclidean geometries.

The curricular competencies are interwoven throughout the mathematical and art topics. Students will have to produce projects that connect art and mathematics together to display their learning of the content and can explore using different mediums including sketching, painting, watercolors, pastels, illustrator programs etc. If you are passionate about art and math combined, or passionate about art and want more time and space to explore it, then this course is right for you!

This course satisfies the graduation requirement for a Math 11/12 but may not satisfy entry requirements for post-secondary programs. Check with your counsellor/career advisor about long term planning.



MATHEMATICS

FOUNDATIONS OF MATH 12

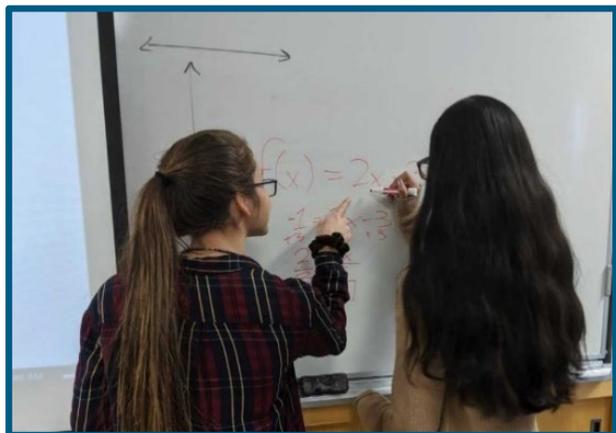
Prerequisite: *Foundations of Math 11* or *Pre-Calculus 11*

This is a continuation of the curriculum covered in Foundations of Mathematics 11. The Foundations pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus. Topics include transformations, number, logical reasoning, relations and functions, statistics & probability, and combinatorics. The core competencies (communication, creative thinking, critical thinking, positive personal and cultural identity, personal awareness and responsibility, and social responsibility) are interwoven throughout the mathematical topics. This course has a final exam worth 20% of the student's overall mark.

PRE-CALCULUS 12

Prerequisite: *Pre-Calculus 11*

This is a continuation of the curriculum covered in Pre-Calculus 11. The Pre-Calculus pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that require the study of theoretical calculus. It is a rigorous course, and topics include algebra and numbers, relations and functions, and trigonometry. The curricular competencies (reasoning & analyzing, understanding & solving, communicating & representing, and connecting & reflecting) are interwoven throughout the mathematical topics. Students completing Pre-Calculus 12 may choose to continue with the study of Calculus 12 or AP Calculus AB. This course has a final exam worth 30% of the student's overall mark.



AP STATISTICS 12

Prerequisite: *Pre-Calculus 11* (recommended) or *Foundations of Math 11*

Statistics are a part of everyday life. You can see them in AI models, news polls, popular music rankings, and medical research. AP Statistics is a multidisciplinary statistics course and is equivalent to a university-level, non-calculus-based statistics course. It can be used in many faculties such as Business, Biological Sciences, Nursing, Psychology, and Engineering. Students will have the option to write the AP Statistics exam in May (approximate fee is \$150). If a student scores a 4 or 5 on the exam, they may receive credit for a first-year university course.

AP Statistics introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students cultivate their understanding of statistics using technology, investigations, problem solving, and writing as they explore concepts like variation and distribution; patterns and uncertainty; and data-based predictions, decisions, and conclusions. Course content includes descriptive statistics, probability models, confidence intervals, hypothesis testing, and linear regression.

AP Statistics is a Mathematics elective that offers rigorous academic enrichment. Students must also complete a Math 11 or 12 course to meet graduation requirements.

More Information:

<https://apcentral.collegeboard.org/courses/ap-statistics>



AP Statistics



MATHEMATICS

CALCULUS 12

Prerequisite: *Pre-Calculus 12*

Calculus gives Grade 12 students who are proficient in algebra the opportunity to advance their knowledge of mathematics and to smooth the transition between secondary school mathematics and university calculus. Calculus 12 is intended for students who have above average skills in algebra, geometry, trigonometry, and analytic geometry. The course consists of college-level treatment of elementary functions, limits, differential calculus, integral calculus, and simple differential equations. The curricular competencies (reasoning & analyzing, understanding & solving, communicating & representing, and connecting & reflecting) are interwoven throughout the mathematical topics. This course has a school-based final exam worth 30% of the student's overall mark.

*Students taking Calculus 12 have the option of writing a Calculus challenge exam in June (put out by UBC). If students score over 50% on this exam, they are entitled to credit for the first term of calculus at any of the following universities: UBC, SFU, UVIC, UFV, TWU and UNBC. As of June 2024, the cost of this exam was \$100.00.

Please go to the following website for more information: http://outreach.math.ubc.ca/calc_challenge.html/

AP CALCULUS 12

Prerequisite: *Pre-Calculus 12*

AP Calculus AB gives Grade 12 students who are proficient in algebra the opportunity to advance their knowledge of mathematics and to gain credit for first year calculus at a university. AP Calculus AB will cover the same curriculum as Calculus 12, with an emphasis on preparing for the AP Calculus AB exam in May. This course will be timetabled as linear. Therefore, **students must complete Pre-Calculus 12 by the end of June in their grade 11 year to register in AP Calculus AB.**

Students taking AP Calculus AB will be expected to write the AP exam in May. If students score a 4 or 5 on this exam, they are entitled to credit for the first term of calculus at many national and international universities.

Frequently Asked Questions

Q. How are the two Calculus courses similar?

A. Both courses cover the same curriculum and prepare students for first semester Calculus at university. They also both have an optional exam that could provide credit for first semester Calculus at university. Students who take either course can choose to retake the first semester Calculus at university regardless of their result on this exam.

Q. How are the two courses different?

A. Calculus 12 will be assessed at a high-school level and has a school-based final exam. Students choosing to write the optional challenge exam put out from UBC/SFU (there is a cost for the exam) can potentially receive credit for first semester Calculus at many of the local BC Universities.

AP Calculus 12 will be assessed at a university level with an emphasis on preparing for the AP exam in May. Students are expected to write the AP Exam in May at a current (**non-refundable**) cost of approximately \$185.00 CAD. Students achieving a 4 or 5 on the AP Exam can choose to receive credit for first semester university at many local, national, and international universities.

Q. Which course should I take?

A. If you are wanting to prepare for the first semester Calculus at university but plan to retake it at university for credit, it is recommended you take Calculus 12. If you want to receive credit for first semester Calculus from university and plan to go directly to second semester Calculus at university, it is recommended you take AP Calculus. Regardless of which course you choose, you will cover the material from first semester Calculus at university.

PHYSICAL AND HEALTH EDUCATION

The GW Graham Physical and Health Education Department believes Physical and Health Education courses should provide worthwhile experiences which will influence all students to live a healthy, active, and meaningful life.

It is our aim to:

- help students develop valuable skills for use in future leisure time.
- help students become aware of the activities which indicate to the student the necessity of physical fitness; and
- help students achieve so they have a sense of personal worth and esteem.

In Grades 9 and 10, Physical and Health Education is a required course. In Grades 11 and 12, PHE courses are elective courses. Students in any grade may take more than one PHE course throughout the school year.

PHYSICAL AND HEALTH EDUCATION 9

Prerequisite: None

PHE 9 is an extension of PHE 8 where emphasis is placed on exposing students to a wide range of activities. Most activities will be presented in three or four week units. Basic skills, techniques and game strategies will be presented during each selected activity. Drills, lead-up games, competitions, and class tournaments will be used in these developments. In addition, a working knowledge of game rules will be emphasized. Healthy living concepts and cardiovascular activities will form an integral part of classes. Evaluation will focus on fitness, skills, effort, participation, cooperation, and sportsmanship. Active participation will be required of all students.

PHYSICAL AND HEALTH EDUCATION 10

Prerequisite: Any *PHE 9*

PHE 10 continues to develop basic skills and focuses on activities that students will enjoy and continue to participate in during future years. PHE 10 will emphasize healthy living concepts and a variety of recreational activities. Areas stressed are cardiovascular fitness and strength and conditioning, in addition to individual, dual and team sports and activities. Evaluation is based upon fitness assessment, skills, knowledge (written assignments/quizzes), effort, cooperation, sportsmanship, and class participation.

ACTIVE LIVING 11/12

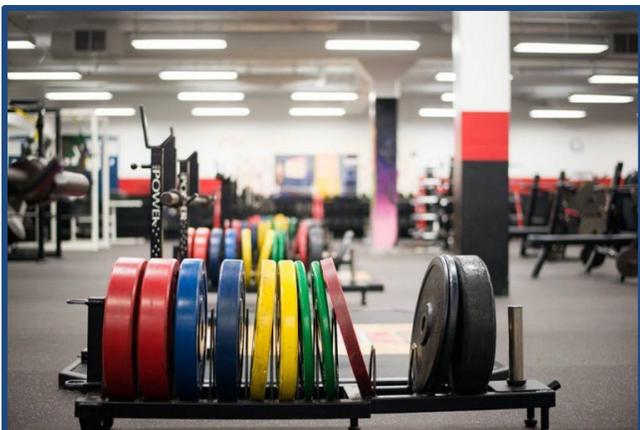
Prerequisite: Any *PHE 10* or *Active Living 11* (for MACLV12)

Active Living 11 is directed at students who enjoy physical education, but who may not be an athlete or participate on extracurricular teams. This course will expose students to a fitness program, outdoor field activities and indoor individual and team sports. Students are expected to display maturity and a willingness to try new experiences. Enthusiasm and a positive outlook will go a long way to enhancing the quality of this course. Leisure activities may include tennis, disc golf, skating, racquet sports, all of which may result in field trips to various facilities. The course introduces students to recreational activities not covered in PHE 9 and 10. Evaluation is based upon fitness assessment, skills, knowledge (written assignments/quizzes), effort, sportsmanship, and class participation.

FITNESS & CONDITIONING 11/12

Prerequisite: minimum C+ in previous PHE course

Fitness & Conditioning 11/12 is a course for students interested in learning about and participating in a variety of recreational fitness activities such as spin classes, yoga, Pilates, cardio kickboxing and Zumba, in addition to experiencing a variety of strength and conditioning activities and training. Outside guests may be invited to share their knowledge and expertise pertaining to fitness, strength, and flexibility goals. An emphasis for this class will be to motivate students through participation in non-threatening, non-competitive activities in a supportive and encouraging classroom environment. Students will acquire a basic understanding of muscular anatomy, nutrition, and training principles. Students will leave the course with the knowledge and confidence to continue to lead an active and healthy lifestyle.



STRENGTH AND CONDITIONING 10-12 – OT

Prerequisite: minimum C+ in previous PHE course or recommendation from previous PHE teacher

Students interested in training before school and/or after school must be registered in Out of Timetable Strength and Conditioning in order to receive access to the weight room outside of regular class hours. This course is designed for the following students: Elite Junior and Senior Varsity athletes that want to add to their current training program. Students that are committed to a healthy active lifestyle, however, due to timetable constraints are not able to schedule strength and conditioning into their regular course load. **Students who register for this course must be committed to their personal training.**

STRENGTH AND CONDITIONING 10-12

Prerequisite: minimum C+ in previous PHE course

This course is a multi-unit course, designed for students that are passionate about their active healthy lifestyle. This course will provide students with an overall approach to daily exercise routines in the recreational community weight room setting. The goal of the course is to improve the student's understanding of muscular anatomy, nutrition, scientific principles of weight training and conditioning, care and prevention of injuries, and fitness program design. The course is structured around the following course objectives:

- ✓ understanding the science of weight training.
- ✓ designing and assessing general fitness programs.
- ✓ understanding fitness and weight training safety.
- ✓ demonstrating proper technique in a variety of lifts and exercises.
- ✓ developing an understanding of lifetime fitness and nutrition.
- ✓ being exposed to and participating in a variety of conditioning activities.
- ✓ increasing self-esteem, fitness level and overall health.

Evaluation is based upon fitness and strength assessment testing, knowledge, goal setting and reflective journalling, effort, peer cooperation, and class participation. Strength and Conditioning 12 is a continuation of Strength and Conditioning 10 and 11. Learning will be similar to the other courses; however, the level of understanding will continue to evolve. The ultimate goal in this course will be to provide students with the tools and knowledge they require to continue an active healthy lifestyle at the community recreational level.

RUGBY STRENGTH AND CONDITIONING 10-12

This course will provide high level Rugby specific strength and conditioning training to suit the needs of in-season rugby players who want to improve their strength and conditioning with the goal to prevent injury and perform at a high level. Goals of the course include the students' understanding of muscular anatomy, nutrition, scientific principles of weight training and conditioning, care and prevention of injuries, and fitness program design. The course is structured around the following course objectives:

- ✓ understanding the science of weight training.
- ✓ designing and assessing fitness programs.
- ✓ understanding fitness and weight training safety.

- ✓ demonstrating proper technique in a variety of lifts and exercises.
- ✓ developing an understanding of lifetime fitness and nutrition.
- ✓ being exposed to and participating in a variety of conditioning activities, such as speed training.
- ✓ increasing self-esteem, fitness level and overall health.

Evaluation is based upon fitness and strength assessment testing, knowledge, goal setting and reflective journalling, effort, peer cooperation, and class participation. Rugby Strength and Conditioning will be offered in a variety of settings such as the Rugby Field, Weight Room, Kinesiology Lab, Outdoor Court, and or Training Center. Students will be expected to engage in all activities within all settings. Students considering this course must be highly self-motivated and prepared to work to their maximum potential in each class.

SPORTS MEDICINE 11

Prerequisite: successful completion of a Science 10 and PHE 10, and permission from the instructor

This course is designed to introduce students to a variety of careers in Sports Medicine, Athletic Therapy, Physiotherapy, Occupational Therapy, Nursing, Chiropractic, Medicine, Kinesiology, Physical Education, Fire Fighting, Pro Athlete/Coaching, Paramedic, Massage Therapy, or any other of the many medical and sport sciences. With the increased number of participants involved in physical activity and competitive sport in schools and in the community, this program will help meet the increasing need for students to become familiar with the immediate care, prevention and rehabilitation of athletic injuries. This is a grade 11 course and will provide basic information on anatomy, injury prevention, recognition, assessment, rehabilitation and certification in CPR and First Aid. Students will have many opportunities for hands-on activities in a variety of labs, including athletic taping. Students must be prepared to volunteer as a sport trainer with sport teams for practicum hours (20 hours). Evaluation is based on theory and practical skills. **Course Supply Fee: \$40.00.**

SPORTS MEDICINE 12

Prerequisite: *Sports Medicine 11*

This course is designed to build on the knowledge and concepts learned in Sports Medicine 11 although the Grade 11 course is not a prerequisite. This Grade 12 course will provide students with a more detailed look at human anatomy and physiology, injury prevention and treatment, athletic program development, proper nutrition and sports psychology. Students will continue to explore future employment possibilities in the athletics and sports medicine fields. There will be many opportunities for hands-on activities and a variety of labs throughout the course, including athletic taping and sport specific program development. Students must be prepared to volunteer as a sports trainer with our athletic teams for practicum hours (20 hours). Evaluation is based on assignments, projects, tests and practical skills. **Course Supply Fee: \$40.00.**

PHYSICAL AND HEALTH EDUCATION

PHE BASKETBALL 9-12

Prerequisite: minimum B in previous PHE course or a recommendation from previous PHE teacher

This course will provide high level, basketball specific training, to suit the needs of aspiring basketball players who want to improve upon and elevate their overall skills of the game. Evaluation will be based on fitness, skills, daily participation, personal reflection and goal setting, advanced knowledge of rules, effort, sportsmanship and class involvement. Students considering this course must be highly self-motivated and prepared to work to their maximum potential in each class. Students will be engaging in high-performance training developed in collaboration with Team Theorem. This program will be focused on core athletic movements with progression towards sport-specific development. Students are encouraged to purchase Graham athletics training gear for this class. Clothing orders take place in June.

PHE FOOTBALL 9-12

Prerequisite: minimum B in previous PHE course or a recommendation from previous PHE teacher

This course will provide high level, football specific training, to suit the needs of aspiring football players who want to improve upon and elevate their overall skills of the game. Evaluation will be based on fitness, skills, daily participation, personal reflection and goal setting, advanced knowledge of rules, effort, sportsmanship and class involvement. Students considering this course must be highly self-motivated and prepared to work to their maximum potential in each class. Students will be engaging in high performance training developed in collaboration with Team Theorem. Programs will be focused on core athletic movements with progression towards sport specific development. Students are encouraged to purchase Graham Athletics training gear for this class. Clothing orders take place in June.

PHE SOCCER 9-12

Prerequisite: minimum B in previous PHE course or a recommendation from previous PHE teacher

This course will provide high level, soccer specific training, to suit the needs of aspiring soccer players who want to improve upon and elevate their overall skills of the game. Evaluation will be based on fitness, skills, daily participation, personal reflection and goal setting, advanced knowledge of rules, effort, sportsmanship and class involvement. Students considering this course must be highly self-motivated and prepared to work to their maximum potential in each class. Students will be engaging in high-performance training developed in collaboration with Team Theorem. This program will be focused on core athletic movements with progression towards sport-specific development. **Course Fee: \$100.00.** Students are encouraged to purchase Graham athletics training gear for this class. Clothing orders take place in June.

PHE VOLLEYBALL 9-12

Prerequisite: minimum B in previous PHE course or a recommendation from previous PHE teacher

This course will provide high-level, volleyball specific training, to suit the needs of aspiring volleyball players who want to improve upon and elevate their overall skills of the game. Evaluation will be based on fitness, skills, daily participation, personal reflection and goal setting, advanced knowledge of rules, effort, sportsmanship and class involvement. Students considering this course must be highly self-motivated and prepared to work to their maximum potential in each class. Students will be engaging in high-performance training developed in collaboration with Team Theorem. This program will be focused on core athletic movements with progression towards sport-specific development. Students are encouraged to purchase Graham athletics training gear for this class. Clothing orders take place in June.



PHYSICAL AND HEALTH EDUCATION

PHE RUGBY 9-12

Prerequisite: minimum B in previous PHE course or a recommendation from previous PHE teacher

This course will provide high level, Rugby specific training, to suit the needs of aspiring rugby players who want to improve upon and elevate their overall skills of the game. Evaluation will be based on fitness, skills, daily participation, personal reflection and goal setting, advanced knowledge of rules, effort, sportsmanship and class involvement. Students considering this course must be highly self-motivated and prepared to work to their maximum potential in each class. Students will be engaging high performance training developed in collaboration with Team Theorem. Programs will be focused on core athletic movements with progression towards sport specific development.



PHE LEADERSHIP 9-12

Prerequisite: Application and Instructor Approval

This course is directed at students who enjoy PHE, a high level of activity, and being involved in the school and community. This course will empower students to take on a leadership role, work cooperatively with others, and demonstrate an understanding of the processes needed to co-ordinate school and athletic events and programs. Students will learn to apply knowledge, communication and interpersonal skills, and qualities required for leadership in teaching, officiating, and event organizing. Students will have many opportunities to become actively involved in school and community events (and programs), including the Terry Fox Run, pep rallies, lunchtime intramurals, and drop-in athletic programs. A large portion of the course will focus on training and volunteering as minor officials for our athletic events throughout the year. PHE Leadership students help to foster a sense of community, pride, passion and spirit amongst the school population and community. Students will receive credit for PHE 9, 10, 11, or 12.

GRIZZLIES BASEBALL ACADEMY

Prerequisite: minimum B in previous PHE course or a recommendation from previous PHE teacher

Check out the *Specialty Programs* section of this booklet for more information about this exciting academy!



GRIZZLIES SOFTBALL ACADEMY

Prerequisite: minimum B in previous PHE course or a recommendation from previous PHE teacher

Check out the *Specialty Programs* section of this booklet for more information about this exciting academy!



OUTDOOR EDUCATION 11/12

Prerequisite: Application and Instructor Approval

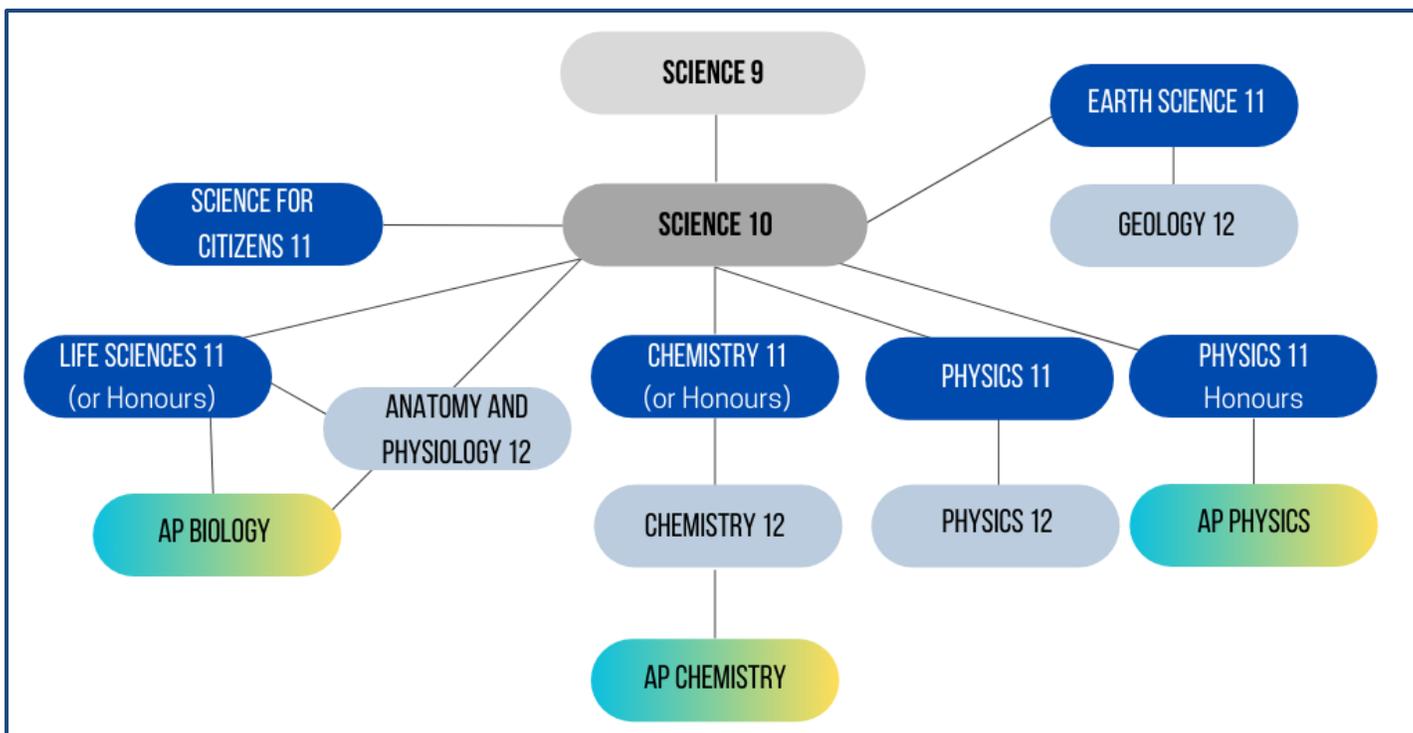
Check out the *Specialty Programs* section of this booklet for more information about this unique learning opportunity.



SCIENCES

“WHAT’S THE BEST SCIENCE PATH FOR ME?”

The answer will always be an individual decision for each student. Sciences offer diverse options with various career and post-secondary paths. The possibilities are endless! Determine what you want to do, where you want to go, and how you want to get there. Once you have an idea, use the flow chart below to help guide your route:



SCIENCE 9

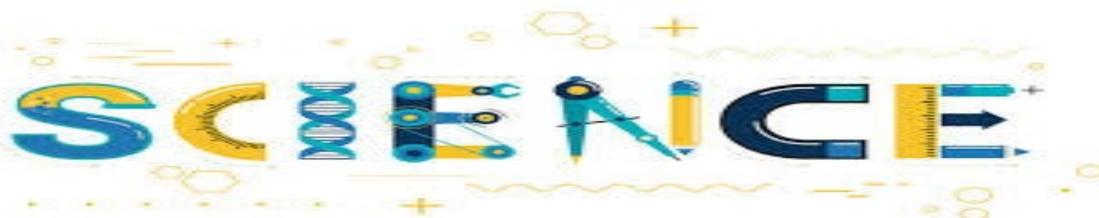
Prerequisite: Science 8

The goal of the Science 9 program is to introduce students to the concepts of science using the framework of: Change, Energy, and Matter through the four principal units of Life Science, Physical Science, and Earth Science. Science 9 prepares students for secondary level science courses. Emphasis is placed on acquisition of information; a foundation is laid for courses such as Chemistry, Physics, Life Sciences and Earth Science. Lab work is a focus, and students are expected to demonstrate an understanding of the scientific method.

SCIENCE 10

Prerequisite: *Science 9*

Science 10 is designed to provide the foundation skills needed for students to continue a pathway in one or more of the specialized senior sciences offered in grades eleven and twelve such as Biology, Chemistry, Physics, Earth science or Science for Citizens 11. Course topics include Safety, Biology (genetics and simple patterns of inheritance), Chemistry (atomic structure, chemical formulae, bonding, and chemical reactions), Physics (energy transformations and nuclear energy) and Space science (formation of the universe and collection of astronomical data).



SCIENCES

CANINE FOUNDATIONS 11

Prerequisite: None

Check out the *Specialty Programs* section of this booklet for more information on this exclusive and fascinating course!

This half day / one semester course covers the following:

- **Science for Citizens** (4 Credits)
- **Work Experience** (4 Credits)
- **Workforce Training Certificate** (4 Credits) **Optional**

SCIENCE FOR CITIZENS 11

Prerequisite: *Science 10*

Science for Citizens focuses on modern scientific investigative techniques and how science impacts our daily lives. Students will conduct investigations into aspects of health science, technology, and pseudo-science. Also emphasized is the practical side of science including WHMIS certification and forensic science. Finally, the course covers an in-depth look at Global Science, including extreme weather events, climate change, energy generation, and sustainability of resource.

LIFE SCIENCES 11

Prerequisite: *Science 10*

Life Sciences 11 focuses on the study of living organisms on both the microscopic and macroscopic levels. Through a series of assignments, projects, and labs, students will come to understand and be able to explain the concepts covered. Life Sciences 11 explores topics within the areas of Animal Biology, Microbiology, and Evolution. Animal Biology dives into the different kinds of animals and looks at the increasing complexity of different organisms. Microbiology provides an introduction into bacteria and viruses while exploring the cell further. Evolution focuses on evidence of and how organisms are changing over time.

LIFE SCIENCES 11 HONOURS

Prerequisite: *Science 10*

Life Sciences 11 Honours includes all topics covered in regular Life Sciences 11. The honours course examines these topics in greater depth and includes a number of additional ones (ex. biochemistry). This course is designed to prepare the student for Advanced Placement Biology 12. It is strongly recommended that

students enrolling in this course have an "A" or high "B" standing in Science 10.

EARTH SCIENCE 11

Prerequisite: *Science 10* and *Math 10*

Earth Sciences 11 is both a relevant and a practical science course that has important applications in the real world. It provides a hands-on, discovery-based program which surveys the basic geological forces, processes, and environmental factors, of our unique and fragile planet and the natural and human forces which continue to shape it. Course topics include: Astronomy, rocks and minerals, geological forces, geological time, Earth's internal processes, plate tectonic theory, surface processes such as erosion and weathering, and the Earth's oceans and atmosphere. Earth Science 11 may be taken as a terminal senior science course fulfilling graduation requirements in science, or as a prerequisite to Geology 12. Students are evaluated using a variety of practical laboratory experiments, formal laboratory reports, projects, assignments, quizzes and tests, including a final course exam.

GEOLOGY 12

Prerequisite: *Earth Science 11*

Geology 12 begins the pathway to pursuing a diploma or degree in natural resources, or students interested in the geological history of Earth, and its processes. Careers in natural resources may include: Environmental Policy Analyst, Forester, Fisheries Manager, Geographical Information System Analyst, Land Use Planner, Natural Resources Educator, Natural Resources Manager, Recreation Resource Manager, Wildlife Habitat Specialist, or Water Conflict Manager. Geology 12 explores and expands on materials, processes, and the history of our planet, including the history of life on Earth through the fossil record. Topics include minerals, igneous rock, volcanoes, surface processes, sedimentary rock, geologic time and fossils, plate tectonics, earthquakes, earth's interior, folds and faults, metamorphic rocks, and hydrology processes. This leads to understanding Western Canada's geology and its natural resources. Earth Science 11 recommended.



SCIENCES



AP BIOLOGY 12

Prerequisite: *Life Sciences 11* or *Life Sciences Honours 11* or *Anatomy and Physiology 12* (**plus Chemistry 11**, recommended)

Advanced Placement Biology is the equivalent of a first-year university biology course. This course is designed to deepen students' understanding of the unifying principles of biology using the principle of inquiry to guide them through. Major topics include biochemistry, physiology, cytology, genetics, evolution, and ecology. AP Biology will be offered concurrently with Anatomy and Physiology 12. Students will be enrolled for both semesters and upon completion will receive a total of 8 credits. It is strongly recommended that students have a high "B" or "A" in Life Sciences 11 or have taken Anatomy & Physiology 12 before attempting AP Biology. Students that receive a high enough score on the College Board's AP Biology exam may also receive first year Biology credit from select post-secondary institutions.

ANATOMY & PHYSIOLOGY 12

Prerequisite: *Science 10* and *Life Sciences 11* (**plus Chemistry 11**, recommended)

Anatomy and Physiology (formerly Biology 12) focuses on human biology, and the body's components and systems which work together to maintain homeostasis. The course is broken into two principal areas: **Cell biology** (cell structure, cell components, biological molecules, DNA replication, protein synthesis, cell membrane transport, and enzymes) and **Human Biological Systems** (digestive system, circulatory system, respiratory system, nervous system, urinary system, and reproductive system). Students are evaluated using a variety of practical laboratory experiments, formal laboratory reports, projects, assignments, quizzes, and tests.

ANATOMY & PHYSIOLOGY 12 KINESIOLOGY

Prerequisite: *Science 10* or *Sports Medicine 11*

Anatomy and Physiology (Kinesiology) focuses on human biology through the lens of Kinesiology and Sport. The course is broken into two principal areas: Cell biology (cell structure, cell components, biological molecules, DNA replication, protein synthesis, cell membrane transport, and enzymes) and human biological systems (digestive system, circulatory system, respiratory system, nervous system, urinary system, and reproductive system). Students are evaluated using a variety of practical laboratory experiments, formal laboratory reports, projects, assignments, quizzes, and tests.

SCIENCES

CHEMISTRY 11

Prerequisite: *Science 10*

Chemistry 11 serves as an introduction to the central science of Chemistry. A background in Chemistry will improve the student's appreciation of other sciences, as well as the central role Chemistry plays in society, technology, and the environment. Chemistry 11 surveys many areas of Chemistry including the study of atoms, molecules, ions, and solutions, chemical reactions, atomic theory, and organic chemistry. Students are evaluated using a variety of practical laboratory experiments, formal laboratory reports, projects, assignments, quizzes and tests, including a final course exam worth 30% of the course mark.

CHEMISTRY 11 HONOURS

Prerequisite: minimum 75% in *Science 10* plus completion of *Foundations of Math and Pre-Calculus 10*

Chemistry 11 Honours is similar to the regular Chemistry 11 course but demands a faster pace allowing more topics to be covered with greater detail. Laboratory work is also emphasized to a greater extent from regular Chemistry 11. Additional units on Gases (Ideal Gas Law), Nuclear Chemistry, Redox reactions, and Equilibrium will be covered. This course is recommended for any student considering Advanced Placement Chemistry 12; however, it is open to all grade 11 and 12 students with a keen interest and an above average ability in math and science. ***20% of the course mark is dependent on a school final exam.

CHEMISTRY 12

Prerequisite: *Chemistry 11*

Chemistry 12 focuses on equilibrium in chemical systems. It is a mathematically rigorous course and students are advised to have a strong foundation in Mathematics. Chemistry 12 has five principal units: Reaction kinetics, dynamic equilibrium, solubility equilibrium, acids and bases, and oxidation-reduction reactions. Students are evaluated using a variety of practical laboratory experiments, formal laboratory reports, projects, assignments, quizzes and tests, including a final course exam worth 30% of the course mark.



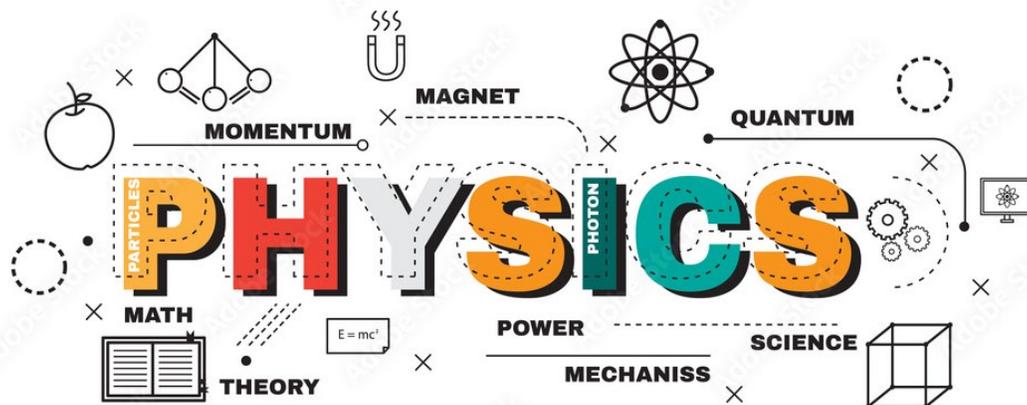
AP CHEMISTRY 12

Prerequisite: *Chemistry 12*

Advanced Placement Chemistry is a first-year college equivalent course in general Chemistry offered at the high school level. The course differs from the usual grade twelve Chemistry course with respect to the kind of textbook used, the degree of detail with which topics are covered, the emphasis on chemical calculations and the mathematical formulation of principles, and the kind of laboratory work done by the students. Other differences appear in the number of topics treated, the time spent on the course by students, and the nature and the variety of experiments done in the laboratory. The five major topics from regular Chemistry 12 (Kinetics, Equilibrium, Solubility, Acid Base and Electrochemistry) are all developed in considerable detail along with an additional unit in Thermodynamics. Many Chemistry 11 topics are also revisited and expanded upon additional assignments on Gases (Ideal Gas Law), Nuclear Chemistry, Redox reactions, and Equilibrium will also be included. Some topics are typically assigned over the summer and/or other session breaks.

It is HIGHLY Recommended that students take Chemistry 12 in Semester 1 to be followed by AP Chemistry in Semester 2 **in the same school year**. If you are interested in AP Chemistry, but have already taken Chemistry 12, please contact the AP Teacher to discuss strategies for that situation.

SCIENCES



PHYSICS 11

Prerequisite: Science 10 (Foundations of Math & Pre-Calculus 10 recommended)

Physics is the science that deals with applying mathematics to explain everyday physical phenomena. We use your knowledge of MA 10 and SC 8-10 to predict and explain motion, forces, energy, waves and circuits. Note: Laboratory activities will be required. Mathematical ability is essential as trigonometry and algebra will be used.

PHYSICS 11 HONOURS

Prerequisite: Science 10 (Foundations of Math & Pre-Calculus 10 recommended)

Physics 11 Honors covers the same topics as regular Physics 11, but at a faster pace and at a greater depth. The course has a greater focus on algebra and graphing relationships. This course is highly recommended for those students wishing to complete Physics AP1 in the second semester or students wishing to pursue physics and/or engineering in university.

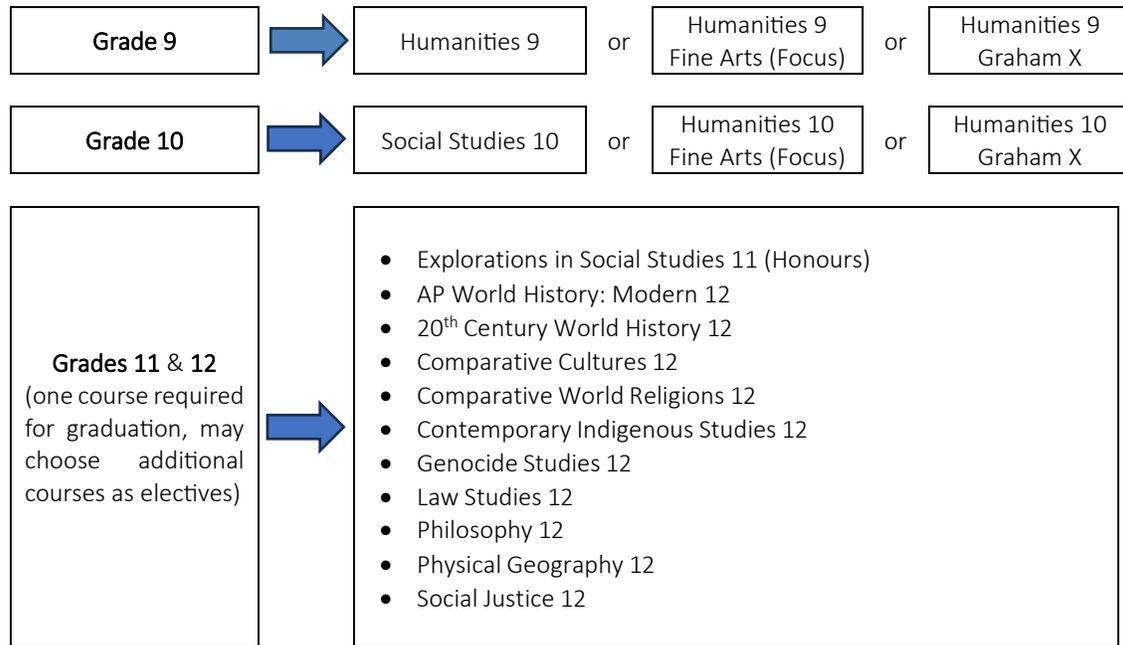
AP PHYSICS 1 AND PHYSICS 12

Prerequisite: *Physics 11 Honours*, recommended **and** Mathematics 11

This course covers a wide range of topics, encapsulating the British Columbia Physics 12 curriculum as well as extensions to match the curricula of most American schools. Such topics are kinematics, forces, energy, circular motion, electrostatics, circuits, electromagnetism, waves, and fluids. Since we have less time to cover 33% more material than in the regular Physics 12 course, there is a considerable pace that the student must accept. Student directed learning is a must in this course as well as accessing previous knowledge from the Physics 11 or Physics 11 Honours course. Considering this, students must be committed to a challenging experience. Students successfully completing the course and passing the AP exam (in May) will qualify for university credits equivalent to first semester of a first-year university Physics course. After the AP exam is completed, students will continue their learning by finishing course content from the British Columbia Physics 12 curriculum.

SOCIAL STUDIES

The courses offered in the GW Graham Social Studies department are anchored in the creative and critical thinking skills of historical contexts. Recurrent themes include continuity and change, cause and consequence, and historical significance. Students will engage with primary and secondary sources in order to take on historical perspectives and appreciate the ethical dimensions of past events and beliefs.



HUMANITIES (SOCIAL STUDIES) 9

Prerequisite: Social Studies 8

This program combines all the learning outcomes of English 9 and Social Studies 9 in a blended, cross-curricular format. Students will comprehend and make connections to a variety of texts, as well as create their own texts and learn to communicate effectively in a wide range of formats and styles. Students will also learn about political and technological revolutions, the impacts of imperialism and colonialism, and the rise of national identities and nation states, with a focus on these changes on Canada.



HUMANITIES (SOCIAL STUDIES) 9 FINE ARTS

Prerequisite: Social Studies 8

This program combines all the learning outcomes of English 9 and Social Studies 9 in a blended, cross-curricular format. Students will comprehend and make connections to a variety of texts, as well as create their own texts and learn to communicate effectively in a wide range of formats and styles. Students will also learn about political and technological revolutions, the impacts of imperialism and colonialism, and the rise of national identities and nation states, with a focus on these changes on Canada. Students will have opportunities to explore these outcomes through an artistic and cross-curricular lens. This program focuses on creative expression, project based learning, and artistic collaboration. It is a great fit for “outside of the box” thinkers, and those looking for opportunities to challenge themselves by demonstrating their learning in different ways. It is strongly encouraged that students interested in Humanities Fine Arts also be enrolled in a visual performing arts course or be involved in extra-curricular visual or performing arts activities.

SOCIAL STUDIES

20TH CENTURY WORLD HISTORY 12

Prerequisite: *Social Studies 10*

This course explores the complex interactions between nationalism and imperialism, including the characteristics of communist and fascist authoritarian regimes. Religious, cultural and ethnic conflicts form a significant part of the course, including military conflicts on a regional and global scale.

COMPARATIVE CULTURES 12

Prerequisite: *Social Studies 10*

This course addresses the various definitions of culture, and how these have changed over time. Issues of power, authority and conflict within and between different cultures will be addressed, as well as the various value systems that underpin the wide range of cultural expressions in art, music, architecture, literature and religion.

COMPARATIVE WORLD RELIGIONS 12

Prerequisite: *Social Studies 10*

Comparative World Religions 12 is a comprehensive and objective study of the major religions that have played a role in human history. Throughout the ages, religions from around the world have shaped the political, social, and cultural aspects of societies. Students will trace the major developments in these religions and explore their relationships with social institutions and culture. The course will discuss some of the similarities and differences among the major religions and examine the connections and influences they have. Through the study of religions and cultures other than their own, students will be able to broaden their view of the world and break through the barriers of misunderstanding, prejudice, and discrimination.

CONTEMPORARY INDIGENOUS STUDIES 12

Prerequisite: *Any Social Studies 10*

This course examines the identities and world views of Indigenous peoples throughout the world. Issues of resilience and survival in the face of colonialism form a key part of the course. The question of how to restore balance through healing and reconciliation will be addressed.

GEONOCIDE STUDIES 12

Prerequisite: *Any Social Studies 10*

This course addresses the fundamental ethical dilemma of why humans systematically murder other humans. By comparing and contrasting the similarities and differences between genocidal events, students will gain insights into the political, economic, and socio-cultural conditions that lie at the core of such atrocities and gain a deeper understanding of responses to Genocide.

LAW STUDIES 12

Prerequisite: *Social Studies 10*

This course will provide a deeper understanding of the Canadian legal system. Key areas of study are the foundations of our legal system, criminal law, civil law, and family law. Students will also learn their rights and responsibilities as citizens of both Canada and the World.

PHILOSOPHY 12

Prerequisite: *Social Studies 10*

Philosophy 12 explores the ways we think, learn, believe and exist. As a class, we will examine the fundamental nature of knowledge, reality, and existence. To do this, we will develop the tools that allow us to investigate and understand our world and to foster an understanding of different ways of thinking. Students will think, talk, and write in order to examine the topics that help us question our assumptions and better understand our beliefs. We will develop our critical, analytical, and problem-solving skills in the context of a multitude of questions. Considering how many philosophical questions deal with issues without definitive answers, we will also explore logic and reasoning to help us arrive at informed conclusions. Particular areas of focus include methods of reasoning and argument in philosophy, metaphysical theories about the nature of reality, theories about knowledge and truth, social and political philosophy, and theories of morality, ethics, and beauty.

PHYSICAL GEOGRAPHY 12

Prerequisite: *Social Studies 10*

This course features three broad areas of inquiry: physical geography, weather and climate, and environmental sustainability. As geographers, students will draw on interdisciplinary skills from math, science and the humanities to gain deeper insight into our physical world, and how humans can have an effect on the world around them.

SOCIAL STUDIES

SOCIAL JUSTICE 12

Prerequisite: *Social Studies 10*

Social Justice 12 promotes students' awareness of social injustice, to encourage them to analyze situations from a social justice perspective, and to provide them with the knowledge, skills, and an ethical framework to advocate for a socially just world. This course provides an opportunity for students to look critically at the values and diversity of our community and nation. Students will examine inequality and injustice based on various social factors while investigating the causes and the consequences of injustice. Social Justice 12 includes an emphasis on action, providing opportunities for students to examine models of social change, and to engage in their own initiatives to effect social change. Social Justice is a participatory course requiring self-analysis, social analysis, respect for diversity, a willingness to take action, and a willingness to respectfully discuss controversial issues.

Social Justice



AP World History: Modern 12

Prerequisite: *Social Studies 10*

AP World History: Modern is a college-level History course that examines the cultural, economic, political, and social developments that have shaped the world from c. 1200 CE to the present. This course follows the curricular requirements outlined by The College Board and provides opportunities for students to build essential skills in evaluating sources, analyzing claims, evidence, and reasoning, contextualizing and making connections between historical developments, and building claims or theses that can be supported in writing.

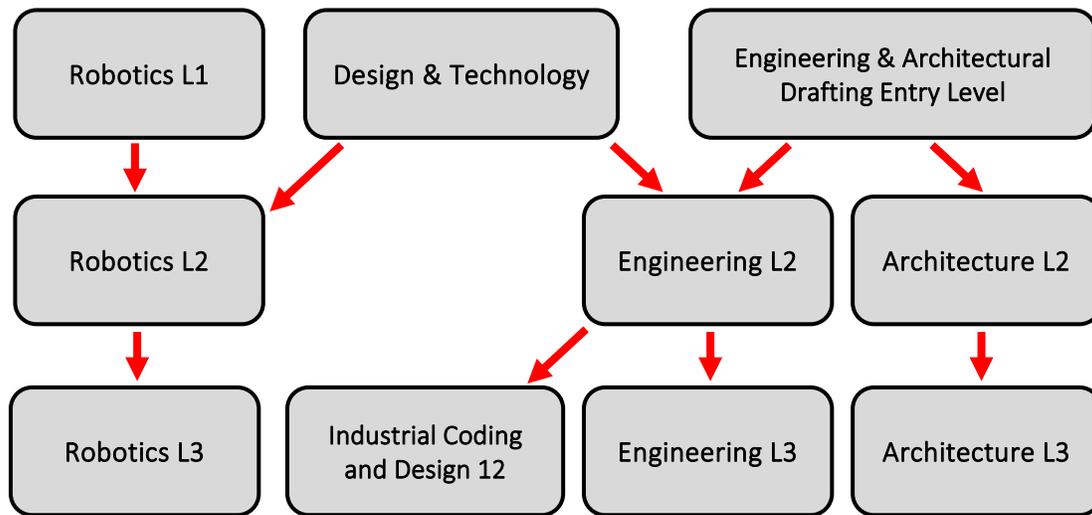
Like other AP courses, AP World History: Modern is both intellectually stimulating and demanding. Students will be introduced to material that requires deep consideration, mature work habits, and independent reading and study. Class participation and regular attendance is a requirement for success in this fast-paced course. Students who take AP World History: Modern will have an opportunity to write an optional exam in May at the cost of approximately \$185 per student. If participating students score high enough on the exam, they will be granted college-level credits that can be used toward the completion of an introductory college course in modern world history. The exam mark does not affect students' school-based mark in any way. Further course information can be found at apstudents.collegeboard.org/courses/ap-world-history-modern.

AP World History is a Social Studies elective that offers rigorous academic enrichment. Students must also complete a Social Studies 11 or 12 course to meet graduation requirements.



AP[®] World
History Modern

TECHNOLOGY EDUCATION



ROBOTICS L1

Prerequisite: minimum C+ in Math 8 and 9, recommended

Your engineering challenge – to build and program a VEX EDR robot to compete in various class tournaments. You'll go through the entire design, program and build process of your robot while learning the principles of electronics and robotics. There is a major coding component throughout the course – a robot isn't a robot unless you can program it to behave without a driver! You will learn how to code instructions for various sensors and motion. Although you will be working with a partner, each student will be responsible for and tested on all aspects of their robot. It's a lot of work, but also a lot of fun. This course is recommended for students who wish to take Robotics 11.

ROBOTICS L2

Prerequisite: *Electronics and Robotics 10 (or Robotics L1)*

In Electronics and Robotics 11, students will apply coding, mechanical and problem-solving skills learned in Robotics 10 to new challenges focused on building robotic systems from scratch. Students will build a strong foundation in working with electronics, microcontrollers, sensors, drive systems, while constructing a variety of robotics projects. Students will use various tools and machinery, and 3D printing to bring their creations to life, solving problems and completing challenges designed to engage them with rich learning.

ROBOTICS L3

Prerequisite: *Robotics 11 (or Robotics L2)*

Robotics 12 builds upon knowledge and skills learned in Robotics 11. Senior robotics students will work with computer design and coding software, and engineering tools and machinery to bring to life more complex robotics projects. Students will be working in a more inquiry based, self-paced environment.



TECHNOLOGY EDUCATION

DESIGN & TECHNOLOGY (TECHNOLOGY EXPLORATIONS 10)

Prerequisite: None

Design and Technology is the perfect starting point for anyone curious about how things work and how to create them. In this hands-on course, you'll explore the basics of engineering, structures, mechanics, and electronics by tackling real-world design challenges. This course is an excellent steppingstone for anyone looking to get into robotics, engineering, and architecture. Whether you're designing tech, creating solutions, or bringing new ideas to life, this course gives you the tools to start making an impact.

ENGINEERING & ARCHITECTURE - ENTRY LEVEL

Prerequisite: None

Engineering and Architecture Entry Level is an introductory course where students will learn the basics of technical, engineering, and architectural drawing with Computer Aided Drafting (CAD) software including AutoCAD and Fusion360. Students will learn through conventional drafting exercises, as well as several projects aimed at progressing their design skills. Projects include a Laser cut phone stands and boxes, 3D printing projects, and a cabin floor plan. Skills learned in this course can be applied to a number of future courses and occupations: Architecture, engineering, interior design, and trades to name a few.

ARCHITECTURAL DRAFTING L2

Prerequisite: *Engineering and Architecture - Entry Level*

This is an intermediate level course that builds upon drafting and architectural design skills learned in the entry level course. Students will advance their skills in architectural design with AutoDesk Revit, an industry standard design software. Students will learn more about all aspects of basic architecture, from building styles, construction methods and interior design, through computer based and hands on assignments.

ARCHITECTURAL DRAFTING L3

Prerequisite: *Architectural Drafting L2*

In this senior level course students will work through major architectural projects, advancing their skill and knowledge in structure and design.

ENGINEERING L2

Prerequisite: *Engineering and Architecture - Entry Level*

In Engineering L2 students will explore the world of engineering through engaging projects in a hands-on, high-tech environment. Students will learn basics in mechanical, structural, and electrical engineering while applying theory concepts to many design projects. Design and manufacturing are key components of this course, and students will get a solid foundation while working with design software, and modern manufacturing machinery like CNC machines and laser cutters. Skills learned in this course can lead to careers in manufacturing, design, and various fields of Engineering.

ENGINEERING L3

Prerequisite: *Engineering L2*

Engineering L3 is a senior level course where students will advance their learning from Engineering L2 through more advanced design and manufacturing projects. Students will work through several inquiry-based projects where they will design solutions to problems, while applying engineering tools and concepts.

INDUSTRIAL CODING & DESIGN

Prerequisite: *Engineering and Architecture - Entry Level*

In Industrial Coding and Design 12, students will specialize in designing and programming parts, and operating CNC machine equipment. Our school has a computer-controlled laser, 3D printers, plasma cutter, routers, lathe, and CNC milling machine and students will be creating projects to manufacture using these tools. Students will be designing using 2D and 3D modeling software, programming toolpaths, and setting up and operating tools. These skills can lead directly to industry jobs in our community.

TECHNOLOGY EDUCATION

METALWORK 10

Prerequisite: None

This entry-level course is designed to introduce students to metalwork's fundamental skills. Students will be introduced to multiple machines while processes and skills are developed, such as hand tools, power tools, sheet metal fabrication, welding and machining and introduction to CNC plasma cutting. After developing the foundation skills and knowledge, and completing a series of smaller labs and projects, students will build a project according to assigned plans and specifications.

METALWORK 11

Prerequisite: *Metalwork 10*

Metalwork 11 is a course that builds off of the entry-level metalwork course with more complex and challenging projects. Students will create projects from a set of drawings while developing their independence and critical thinking skills. Students will use the lathe mill machine, various welding techniques, and CNC plasma cutting. Students will also be introduced to precision measurement and tool maintenance.

METALWORK 12

Prerequisite: *Metalwork 11*

The grade 12 Metalwork course takes the skills learned in the entry-level and grade 11 metalwork courses and now focuses on Design, prototyping and problem-solving skills. Students taking this course must be competent in all machine tool processes, precision measurement and shop safety. This course will also have an added emphasis on employability skills.

ADVANCED WELDING & FABRICATION 12

Prerequisite: *Metalwork 12*

Advanced Welding and Fabrication builds on foundational metalwork skills, focusing on advanced techniques like MIG and stick welding, along with precision cutting and fabrication. Students will work on projects emphasizing strength, functionality, and aesthetics while exploring modern tools like CNC plasma cutting. Safety and industry standards are prioritized, preparing students for careers or advanced technical projects.

WOODWORK 10

Prerequisite: None

Woodwork is an introductory course into the field of woodworking. Students will gain basic knowledge in working with hand tools and power tools appropriate for their project work. Students will explore units in safety, wood identification, hand tools, power tools, project management and design & creativity.

WOODWORK 11

Prerequisite: *Woodwork 10* or permission of Instructor

This course further builds on the student's knowledge of the basic hand and power tools used in the field of woodworking. Students will gain new knowledge of fine woodworking techniques and will have the opportunity to design and build projects of their choosing. Students may also work on projects in a modified mass production opportunity designed to have students working together to complete a project for the school or community.

WOODWORK 12

Prerequisite: *Woodwork 10* or permission of Instructor

This course is an intermediate wood manufacturing course. Students will be introduced to intermediate woodworking tasks such as machine cut dovetail corners and raised panel construction. Projects will be made from a variety of materials including oak plywood, M.D.F., and solid stock. Cabinet and drawer construction is taught with an emphasis on quality and safety. Students will have the opportunity to meet the course requirements through a variety of self-directed personal projects as well as mandatory skill building exercises. Note: cost of materials only applies to projects that are not needed to meet course requirements.

FURNITURE AND CABINETS 12

Prerequisite: *Woodwork 12*

This course is an advanced wood manufacturing course that builds on the skills and knowledge learned in previous courses. It allows students to develop skills in cabinetry and furniture design/production and provides a good base skill level for a student to enter a post-secondary trades program. Students will be graded on established criteria of craftsmanship. The coursework is largely self-directed, so students must be self-motivated in order to succeed. The cost of materials may vary depending on the project and quality of wood students choose. Projects are self-directed for the most part and should be reasonably challenging for this skill level.

VISUAL & PERFORMING ARTS: FINE ARTS

ART 9

Prerequisite: None

Art 9 builds on the concepts and skills introduced in previous art courses but is also suitable as an introductory course for students new to art. This course provides the opportunity to explore the visual arts through a variety of 2D and 3D media. Students will create personally meaningful works of art, collaborate with others, and engage in more complex and challenging art processes. Safety, proper use of materials, and studio space will be covered. Art 9 is strongly recommended for students who plan to take further Visual Art courses in grades 10-12.

ART STUDIO – INTRO

Prerequisite: Previous Art Courses recommended but not Required

Art builds on the concepts and skills introduced in previous art courses but is also suitable as an introductory course for students new to art. This course provides the opportunity to explore the visual arts through a variety of 2D and 3D media. Students will create personally meaningful works of art, collaborate with others, and engage in more complex and challenging art processes. Safety, proper use of materials, and studio space will be covered. Introduction to Art is strongly recommended for students who plan to take further Visual Art courses in the future.

ART STUDIO – INTERMEDIATE

Prerequisite: *Art 9, Art Studio 10, or Art Studio–Intro* recommended

This course allows students to continue to work with a variety of media, both 2D and 3D. In addition, students will be learning a variety of image development strategies to further develop critical thinking and technical skills as they apply to the visual arts. The projects challenge students to create authentic images and work toward a personal style of expression. Students who have not taken previous art courses are encouraged to complete Introduction to Art before registering for this course. This course is recommended for students who plan to take further Visual Arts courses at the post-secondary level.

ART STUDIO – ADVANCED

Prerequisite: *Art Studio – Intermediate* recommended

This course allows students to continue to work with a variety of media, both 2D and 3D. In addition, students will be learning a variety of image development strategies to further develop critical thinking and technical skills as they apply to the visual arts. The projects challenge students to create authentic images and work toward a personal style of expression. This course is recommended for students who plan to take further Visual Arts courses at the post-secondary level.



"Vision is the art of seeing what is invisible to others." - Jonathan Swift

VISUAL & PERFORMING ARTS: FINE ARTS

MEDIA ARTS 10

Prerequisite: None

Are you interested in digital graphic design or digital art? Do you want to use computer technology to blend & create effective digital visual projects? Learn how to incorporate the elements of good design in all your work. Use Photoshop and Illustrator for art, social media, character design, or commercial products. You will also learn basic skills in Fusion for 3D printing.

MEDIA ARTS 11/12

Prerequisite: None

Album covers, social media, YouTube thumbnails, packaging, posters, billboards, and more all rely on good graphic design. Learn the skills, techniques, and concepts in Photoshop and Illustrator to unlock your creativity. Create complex graphics with a purpose and gain a deeper understanding of the advanced features in both programs. Students without prior Media Arts credit may have to work on introductory tutorials and projects to bring their skills up to speed. You will also work with Fusion for 3D printing.

YEARBOOK 10-12 – OT

Prerequisite: Permission of Instructor

This course is for students who have an interest in producing the school's yearbook. Students will have a variety of experiences in writing, digital photography, drawing and desktop publishing. Upon completion of the yearbook, students may study an option in photography, graphic design, desktop publishing or a combination of the three. An effort will be made to balance this class with representatives from Grades 10 through 12. Students taking this elective MUST be able to work independently, meet deadlines, and plan efficiently to ensure that their spreads are done in a creative and timely manner. You should be a confident individual who has the ability to stand up and take a picture. There is also an expectation that students will use time outside of class, particularly at the key deadlines in the first three terms. Yearbook will be offered out of the timetable. The class meets after school two times per week.



PHOTOGRAPHY 11 – INTRO

Prerequisite: None

This course will introduce students to the basic functions and operations of the digital camera. This is a Visual Arts course, where students will use the camera as a creative tool to document and express their world, while working with composition, elements and principles of design, as well as basic editing tools. Students will be working primarily with digital photography; however, alternative processes may also be included. Discussion and presentation of work will be a part of this course. This course covers basic information necessary for success in Intermediate Photography.

PHOTOGRAPHY 12 – INTERMEDIATE

Prerequisite: *Photography 11*

This course will build on skills and processes introduced in Photography 1. Students will be encouraged to explore their camera functions in more depth as well as experiment with alternative processes, camera and studio equipment, editing and presentation. Students should be willing to develop their own areas of interest for further exploration and be ready to work independently.

VISUAL & PERFORMING ARTS: FINE ARTS

CERAMICS & SCULPTURE - INTRO

Prerequisite: None

Explore the creative process through 3D materials. This course introduces students to work in 3D art media with a focus on clay. Hand building, glazing, firing, and wheel work will be introduced. Other media, such as paper mache, wire, paper sculpture, or casting may be explored. Studio and material safety will be covered. This course is strongly recommended for students intending to further their art or animation studies at the postsecondary level. Previous art experience is not required.

CERAMICS & SCULPTURE - INTERMEDIATE

Prerequisite: *Ceramics & Sculpture – Intro*

This course is for students who have completed Introduction to Ceramics and Sculpture and want to pursue further study in the art of clay. This course builds on the skills and knowledge from Introduction to Ceramics and Sculpture, with a focus on more advanced hand building, sculpture, or proficiency on the wheel, as well as glazing and firing of work. Students will be able to focus on more independent projects with the opportunity to undertake extended studio projects that focus on skills and techniques learned from previously taken art courses. A variety of 3D media will be explored. Students who plan to attend post-secondary art programs are encouraged to work on projects to be included in their portfolios.

CERAMICS & SCULPTURE - ADVANCED

Prerequisite: *Ceramics & Sculpture – Intro*

This course is for students who have completed Introduction to Ceramics and Sculpture and want to pursue further study in the art of clay. This course builds on the skills and knowledge from Introduction to Ceramics and Sculpture, with a focus on more advanced hand building, sculpture, or proficiency on the wheel, as well as glazing and firing of work. Students will be able to focus on more independent projects with the opportunity to undertake extended studio projects that focus on skills and techniques learned from previously taken art courses. Students will be able to develop a body of work suitable for a portfolio in this course. A variety of 3D media will be explored. Students who plan to attend post-secondary art programs are encouraged to take this course.



DRAWING & PAINTING - INTERMEDIATE

Prerequisite: *Art Studio – Intro and Intermediate* recommended

This course continues to build on the skills and knowledge introduced in Intermediate Art Studio and is recommended for students who intend to continue in an art or design related field at the post-secondary level. Development of work appropriate for inclusion in portfolios will be encouraged. Students will be required to present and discuss their work related to both technique and concept. Larger scale work, opportunities to work with a variety of 2D media and development of works appropriate for inclusion in portfolios will be encouraged. Students will also enjoy open-ended projects that provide freedom to explore one's own ideas and style. This course is valuable for students who are interested in art as a hobby and those thinking of a future career in the arts.

DRAWING & PAINTING - ADVANCED

Prerequisite: *Art Studio – Intro and Intermediate* recommended

This course continues to build on the skills and knowledge introduced in Drawing and Painting – Intermediate and is recommended for students who intend to continue in an art or design related field at the post-secondary level. Students will work on developing an artistic style and select media that exemplifies this style. Development of work appropriate for inclusion in portfolios will be encouraged. Students will be required to present and discuss their work related to both technique and concept. Students will also enjoy open-ended projects that provide freedom to explore one's own ideas and style. This course is valuable for students who are interested in art as a hobby and those thinking of a future career in the arts.

ADVANCED PLACEMENT ART COURSES

Prerequisites: Intro and Intermediate Art courses are strongly recommended.

- AP 2-D Art and Design 12
- AP 3-D Art and Design 12
- AP Studio Art: Drawing 12

The advanced placement art courses are designed to prepare students for college, give them the necessary studio experience to nurture their creativity, and give them the opportunity to earn college credit. We offer portfolios in Drawing, 2D Design and 3D Design. Students work with the instructor to choose which portfolio option will be the best suited for them. Students must earn a score of 3 or higher on the student portfolio assessment to be eligible to receive college credit. For these portfolios, students are asked to demonstrate inquiry through continued investigation and mastery of two portfolio sections: selected works and sustained investigation. This portfolio will be developed throughout the course of a year. Portfolios include works of art and design, process documentation, and written information about the work presented. In May, students submit portfolios for evaluation based on specific criteria, which include skillful synthesis of materials, processes, and ideas and sustained investigation through practice, experimentation, revision, and thoughtful written responses guided by questions.

For more information about AP Art programs, go to:

<https://apcentral.collegeboard.org/courses/ap-2-d-art-and-design>



VISUAL & PERFORMING ARTS: MUSIC

CHOIR 9-12

Prerequisite: None

Choir is a performance course that will aid students in developing proper singing habits. Students will work toward mastering and performing a wide variety of challenging vocal music. Home practice is required. Students learning will be assessed through participation, class performance, concert performances, assignments, and overall effort. All performances are mandatory.

CONCERT BAND 9/10

Prerequisite: Band 8 or Permission of Instructor

Band 9/10 is a performance course for students who would like to continue to develop their abilities on their chosen instrument. The ensemble will work on a wide variety of music to help expand the skills and concepts learned in previous levels. Students will work toward mastering and performing a wide variety of challenging band music. Home practice is required. Some co-curricular rehearsals may also be required. Students will be assessed through performance tests, class performance, class participation, attendance, concerts, assignments, practicing, and general effort. All performances are mandatory.

CONCERT BAND 11/12

Prerequisite: *Band 9 or 10* or Permission of Instructor

Band 11/12 is a performance course for students who would like to continue to develop their abilities on their chosen instrument. The ensemble will work on a wide variety of music to help expand the skills and concepts learned in previous levels. Students will work toward mastering and performing challenging band music. Home practice is required. Some co-curricular rehearsals may also be required. Students will be assessed through performance tests, class performance, class participation, attendance, concerts, assignments, practicing, and general effort. All performances are mandatory.

GUITAR – INTRODUCTORY 10-12

Prerequisite: None

Beginner Guitar 10–12 is a course designed to introduce students to guitar basics. This guitar course will teach you about parts of the guitar, guitar care, tuning, finger picking, strumming, chords, tabs and some basic music theory. This class is suited for the absolute beginner who has never picked up a guitar before and wishes to begin playing. There is an expectation that students will need to perform to demonstrate their progress and ability. It is highly recommended that students taking this course have a guitar at home for practice. Singing will also be encouraged as the class progresses.

GUITAR – INTERMEDIATE 10-12

Prerequisite: Knowledge of Open Cords, Basic Music Theory, and the Ability to Play Single Note Melodies

Intermediate Guitar is a class where students will learn more complex theory and techniques to build on previous guitar knowledge. It is highly recommended that students have either some guitar experience or have taken Introductory Guitar. Guitar will build on previous knowledge, expanding on music theory, techniques, chords, and strumming. This course will also introduce the students to other topics including P.A. equipment, soundchecks, and will encourage students to use their guitar skills to play and make music with others. It is expected that students in Guitar will perform to demonstrate their progress. Singing will be encouraged and depending on availability students may also be expected to play at a limited number of school functions. It is also recommended that students have a guitar at home for practice.



VISUAL & PERFORMING ARTS: MUSIC

INSTRUMENTAL SURVEY 11/12

Prerequisite: *Band 10* or *11* and Permission of the Instructor

Students will be enrolled in a younger band class, learning new instruments of their choice and working with younger students. Students may also assume a teaching role. Students will be assessed through performance tests, class participation, concerts, practicing, and general effort. All performances are mandatory.

(JR) JAZZ BAND 9-12 – OT

Prerequisite: Application. Must Be Taken Concurrent with *Concert Band*

Jazz Band is a performance course with the students developing skills in the jazz idiom. The ensemble will study a wide variety of music including Swing, Funk, Latin, Rock, Pop, etc. This course is held outside the timetable on Mondays from 2:45-4:00 p.m. and Wednesdays from 7:00–8:00 a.m. Students will be assessed through performance tests, class participation, concerts, assignments, practicing, attendance, and general effort. All performances are mandatory.

(SR) JAZZ BAND 11/12

Prerequisite: Application and/or Audition. Must Be Taken Concurrent with *Concert Band*

Jazz Band is a performance course where the students develop skills in the jazz idiom. The ensemble will study a wide variety of music including Swing, Funk, Latin, Rock, Pop, etc. Students will be assessed through performance tests, class participation, concerts, assignments, practicing, attendance and general effort. All performances are mandatory.

MUSIC PRODUCTION & RECORDING ARTS 11/12

Prerequisite: None

Music Production and Recording Arts 12 will focus on using technology to compose and create music. Students will get hands on experience with the software and hardware being used in professional music studios and have the opportunity to explore and create in a variety of genres of music.



VISUAL & PERFORMING ARTS: THEATRE

DRAMA - INTRO

Prerequisite: None

Have you never taken Drama before at G.W. Graham? This is the place to start! Drama-Introduction gives students the opportunity to explore the performing arts through games, collaborative projects, and in-class performances. The course will cover an introductory overview of dramatic storytelling, movement, acting, and other styles of performing. This class will help students build self-confidence, communication skills, creative thinking, and team working abilities! Active participation in the course is expected.

DRAMA - INTERMEDIATE

Prerequisite: *Drama – Intro* recommended

Drama-Intermediate is designed for students that have taken Drama at G.W. Graham before. Students will develop a better understanding of the performing arts through games, collaborative projects, dramatic exercises, and practical experience in performance. Drama – Intermediate will focus on developing your acting skills through practice and performance. Students will be expected to perform in several productions of various lengths and styles. This class will help students build self-confidence, communication skills, creative thinking, and team working abilities! Active participation in the course is expected.

DRAMA – ADVANCED

Prerequisite: *Drama - Intro* and *Drama – Intermediate* recommended

Drama-Advanced is designed for students that have taken Drama at G.W. Graham before. Students will develop a deeper understanding of the performing arts through games, collaborative projects, dramatic exercises, and practical experience in performance. Drama – Advanced will focus on developing higher-level acting skills through classical theory, script analysis, performance, and reflection. Students will be expected to perform in several productions of various lengths, styles, and complexities. This class will help students build self-confidence, communication skills, creative thinking, and team working abilities! Active participation in the course is expected.

THEATRE PRODUCTION 11/12

Prerequisite: *Drama – Intro* Recommended.

Theatre Production 11/12 is designed to allow students keen on exploring the technical sides of theatre and the performing arts. Theatre Production is an opportunity to develop as a theatre operator, manager, designer, and director. Students should be prepared to participate in games, dramatic warmups/exercises, collaborative projects, and theatrical performances. Additionally, students will complete design projects with focus areas in lighting, sound, costumes, and props. This class will help students build self-confidence, communication skills, creative thinking, and team working abilities while letting students explore theatrical design and tech! Active participation in the course is expected.

DANCE FOUNDATIONS 10-12

Prerequisite: Gr 10 – none / Gr 11 & 12 – *Dance Foundations 10* or previous dance experience recommended.

Dance education provides students with opportunities to experience, understand, and value the language and art of dance. Because dance uses movement in unique ways, it provides an exciting impetus of learning in all areas of the curriculum. Students will be introduced to the elements of movement, creation and composition, presentation and performance, and dance and society. The course will focus on fitness, health and safety in dance technique. Evaluation will be based on four levels: participation; practice; personal growth and performance. Students will be required to perform several times throughout the year at public venues.

VISUAL & PERFORMING ARTS: THEATRE

Here are some of GWG's *Out of Timetable* Theatre opportunities...

BROADCAST PRODUCTION 10-12 – OT

Prerequisite: *Film Production – Intro* recommended

If you're passionate about becoming a filmmaker, journalist, television presenter, or behind-the-scenes technician, Broadcast Production offers an exciting opportunity to experience what it's like to be part of the world of television.

This course is perfect for self-motivated, creative students who are eager to take initiative and work collaboratively. While prior experience in filming and editing is helpful, it is not required.

Students will have the chance to live-stream key events at the school, such as the Truth & Reconciliation Assembly and Remembrance Day ceremonies. Additionally, they'll broadcast community events like Christmas concerts at local elementary schools or talent shows at middle schools. These productions will give students a firsthand look at the challenges and dynamics of working in a real-world media environment.

Every other month, students will produce and present their own student-led news show, showcasing school events for a live audience. This hands-on experience will teach students how to work under the pressures of live television, all while producing engaging and high-quality content that celebrates the diverse and vibrant spirit of the school.

Broadcast Production is an extracurricular commitment throughout the year, with lessons and projects taking place outside regular school hours, requiring dedication and a passion for media production.

THEATRE COMPANY 11/12 - OT

Prerequisite: *Drama – Intro* Recommended.

Explore the enchanting world of the dramatic arts through G.W. Graham's Theatre Company. This dynamic program is open to students of all grades and immerses them in all aspects of live theatre, from script analysis and character development to stagecraft and production design. Through a hands-on rehearsal process, students refine the craft of acting, the demands of design, and together they put on a show for a live audience. The course is focused on the formation and operation of a student-led theatre company. By the course's conclusion, students emerge with a comprehensive set of skills, a deep appreciation for theatre's collaborative nature, and an unforgettable experience. Theatre Company is taught outside the timetable, during the first semester, and requires a commitment of time after school. **Please see Mr. Wilhite, in the Theatre, to get a Course Information Sheet that includes dates, times, and other requirements.**

MUSICAL THEATRE 10-12 – OT

Prerequisite: *Drama – Intro* Recommended.

Musical Theatre is an exhilarating class that immerses students into the world of musical theatre! The class invites students to explore the art of storytelling through song and dance, fostering a deep appreciation for the magic of musicals. Through comprehensive workshops and rehearsals, participants will develop acting, vocal, production, and dance techniques, sharpening their skills to captivate audiences with show-stopping performances. By the course's conclusion, student performers will have experienced the joy of teamwork, the demands of performance, and entertained audiences with unforgettable shows. Musical Theatre is taught outside the timetable, beginning in January, and requires a commitment of time after school. **Please see Mr. Wilhite, in the Theatre, to get a Course Information Sheet that includes dates, times, and other requirements.**

VISUAL & PERFORMING ARTS: THEATRE

FILM PRODUCTION – INTRO

Prerequisite: None

This is an introductory film class for all students who have not taken Film before. Students will have opportunities to develop a deeper appreciation of film and filmmaking skills that include working collaboratively on creative projects, developing stories, analyzing existing works, planning small productions, and creating short films. An emphasis is placed on working as a *team* while building specific production skills in lighting, sound, camera, acting/performing and editing. Students are encouraged to take part in discussions and learn how to accept and give constructive feedback, while also trying out all areas of filmmaking.

FILM PRODUCTION – INTERMEDIATE

Prerequisite: *Film Production – Intro*

This course builds on previous learning from Level 1, Intro to Film Production. Students will continue to develop their critical understanding of film appreciation and production. Students will have opportunities to write, develop & shoot their own short films, while gaining a deeper understanding of various genres. Students will also have opportunities to assist with other initiatives that promote awareness or share information about our school and community. This course will also foster a deeper appreciation and skill for sound, foley, editing, and simple graphic effects.

FILM PRODUCTION – ADVANCED

Prerequisite: *Film Production – Intermediate*

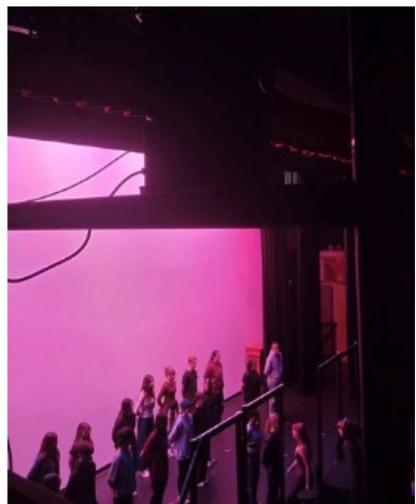
This advanced course is for those who have a solid understanding of the elements of filmmaking, such as writing, cinematography, lighting, sound, and editing. Students will be expected to work within tight deadlines and have a high level of dedication to their teams and projects. Students will develop skills in motion graphics, new lighting techniques, and continuing to create short and longer form stories through visual storytelling, while finding their own unique style of filmmaking. Students will also take part in deeper discussions, and observations of industry practices.

FILM PRODUCTION WORKSHOP

For more information about this unique full day / full semester program, offered to students in grade 11 or 12, see the *Specialty Programs* section of this booklet.

Courses included in this focused learning opportunity:

- Directing and Script Development
- Film Production
- EFP Literary Studies and New Media (or New Media)
- Work Experience **optional**
- Workforce Training Certificate



SD33 One Campus Overview

The Chilliwack School District strives to provide equitable and accessible education for all students. To support this, we have created “One Campus”, a new choice option for our district. One Campus is the sharing of unique, secondary programming across the district.

What is One Campus?

With coordinated timetables across the district, One Campus provides students the opportunity to cross-enroll (move between) existing secondary campuses to pursue the programming that most engages them, or best prepares them for opportunities beyond graduation.

How does One Campus Work?

A daily shuttle between CSS/IAT/KSS/SSS/GWG will be offered at the lunch hour. Students enrolled in a course or program at another school will attend that other school for half the day (every day for semester courses, every second day for linear courses). If a course or program is one block in duration, students will take other courses (unique or standard) to fill the rest of their time at that site before transferring. As is standard with choice programs, students beginning or ending their day at their non-homeschool will be responsible for their own transportation. Courtesy bussing may be available in some situations.

NOTE: Opportunities are available as space permits.

Sample Timetable

Student Name: Suzie Student Homeroom: Ms. Teacher		Student ID: 12345 Home Campus: CSS		YOG 2023	
Course Code	Description	Campus/Room	Time	Teacher	Credits
XYZ-123	Architecture	SSS/205	8:30am – 10:00am	Mr. Crafty	4.0
123-XYZ	Mathematics	SSS/110	10:05am – 11:35am	Ms. Math	4.0
Lunch					
ABC-123	Intro Guitar	CSS/Band Room	12:30pm – 1:45pm	Mr. Music	4.0
123-ABC	Literature Studies	CSS/302	1:50pm – 3:00pm	Ms. Bronte	4.0





**Chilliwack
School District**
CAREER EDUCATION

Work Experience

The SD33 Work Experience program has been in operation for over 30 years and facilitates over 1000 community-based placements for students each year. We are committed to providing practical learning opportunities for our secondary school students. Work Experience is intended to prepare students for the transition from high school to the world of work or future training and education. Work Experience allows students to connect what they learn in the classroom with the skills and knowledge needed in the workplace and society.

Students will use Work Experience to explore careers, to earn credits toward graduation, and to apply for community bursaries and scholarships. Work Experience also helps young people build a strong network of community contacts and references.

Each secondary school in the Chilliwack School District has a dedicated Work Experience Facilitator on staff to connect directly with students who want to explore Work Experience opportunities in the community.

Elective Work Experience Courses (WEX12A & WEX12B)

- Available to grade 11 and 12 students
- Requires an application
- Off-timetable
- 100 hours of community-based placements
- Written assignments
- Students may utilize paid work hours for credit

* Students in Grades 10-12 do **NOT** need to be registered in a WEX12 course to receive a community-based Work Experience placement. Simply complete a *Work Experience Placement Request* form and submit to your school's Work Experience Facilitator.





**Chilliwack
School District**
CAREER EDUCATION

Career-Life Transitions Program

The Career-Life Transitions Program provides training and guidance for our students with diverse abilities, while they develop valuable career and life skills that will contribute directly to their transition pathway from Secondary School education to the Adult working world in their communities.

Goals & Learning Outcomes

- Development of skills related to personal living and employability
- Career awareness and exploration
- Self-exploration and assessment
- Job readiness/understanding of the workplace
- Supported work experience
- Assist students to transition from secondary school to work, college and/or other adult life options
- Connection to Community partners
- Encourage a well-balanced lifestyle
- Portfolio Showcase through My Blueprint (transition to adult hood)

Program Structure

1. In-School Instruction
 - Job readiness skill development
 - Choice electives
2. Community volunteer / customized employment placement
3. Connections to post-graduation opportunities & supports

Career-Life Program

Contact:

Mr. Joey Balzer

Work Experience Facilitator

Cell: 604.819.7607

Email: joey_balzer@sd33.bc.ca





**Chilliwack
School District**
CAREER EDUCATION

Trades Sampler

The Trades Sampler program allows senior secondary students to dive deep into a variety of trades as they find their preferred career path. Thanks to this partnership between the Ministry of Education and Skilled Trades BC, students gain hands-on experience before they enroll in a high school apprenticeship program like *Youth TRAIN in Trades* or *Youth WORK in Trades*.

In partnership with University of the Fraser Valley, students receive workplace skills training around tools & equipment, workplace safety and job readiness skills, and receive a number of industry certifications. Students complete technical modules, covering four or more specific trades, including contact with at least one employer in each trade.

Students may also have the option to complete an embedded Work Experience course, where they will receive up to 100 hours of community-based Work Experience placements in a trade of their choice.

ALL Trades Sampler students should...

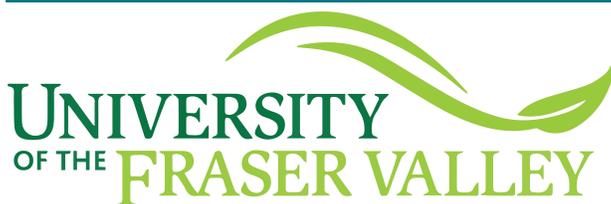
- Be able to handle the rigours of a university-level program
- Have access to reliable transportation to U.F.V.
- Have a keen interest in the skilled trades
- Be considering a career in skilled trades
- Have a good attendance record



Trades Sampler programs are currently offered at:

- **G.W. Graham Secondary School** and
- **Kw'iyeqel Secondary School**

Contact your Counsellor or Dual Credit & Apprenticeship Facilitator for more information.





**Chilliwack
School District**
CAREER EDUCATION

Youth WORK in Trades

Over the last thirty years, the SD33 Trades Program has registered over two-thousand apprentices with Skilled Trades BC. There are nearly one-hundred different trades to choose from such as Carpenter to Electrician, from Cook to Welder, and many more!

Elective Youth WORK in Trades Courses (YWIT 11A, 11B, 12A, 12B)

- Available to grade 9, 10, 11 and 12 students (14 yrs. old)
- Must be currently enrolled in Secondary School
- Must be working with a qualified tradesperson
- Must be employed in a Skilled Trades BC Apprenticeable trade
- Earn up to 16 graduation credits
- Requires an application
- Off-timetable

**Get on-the-job training as a
Youth Apprentice!**

**Contact your Dual Credit and
Apprenticeship Facilitator to
start an application!**



SKILLEDTRADESBC
YOUTH



**Chilliwack
School District**
CAREER EDUCATION

Youth TRAIN in Trades

The *Youth TRAIN in Trades* Program allows high school students to take pre-apprenticeship (technical) training that provides them with dual-credit (up to 32 credits) for high school courses and apprenticeship or industry training programs.

This is an innovative partnership between University of the Fraser Valley (UFV), Vancouver Community College (VCC), and the Chilliwack School District. Grade 11 students can apply to pursue an apprenticeship career path to obtain the first level of technical training in a particular trade in their grade 11/12 year.

Youth TRAIN in Trades programs are tuition sponsored by the school district, however students are required to pay ancillary fees and materials. Application process is competitive and space is limited.

Who Attends: Students in their grade-12 year

Contact: Dual Credit & Apprenticeship Facilitator

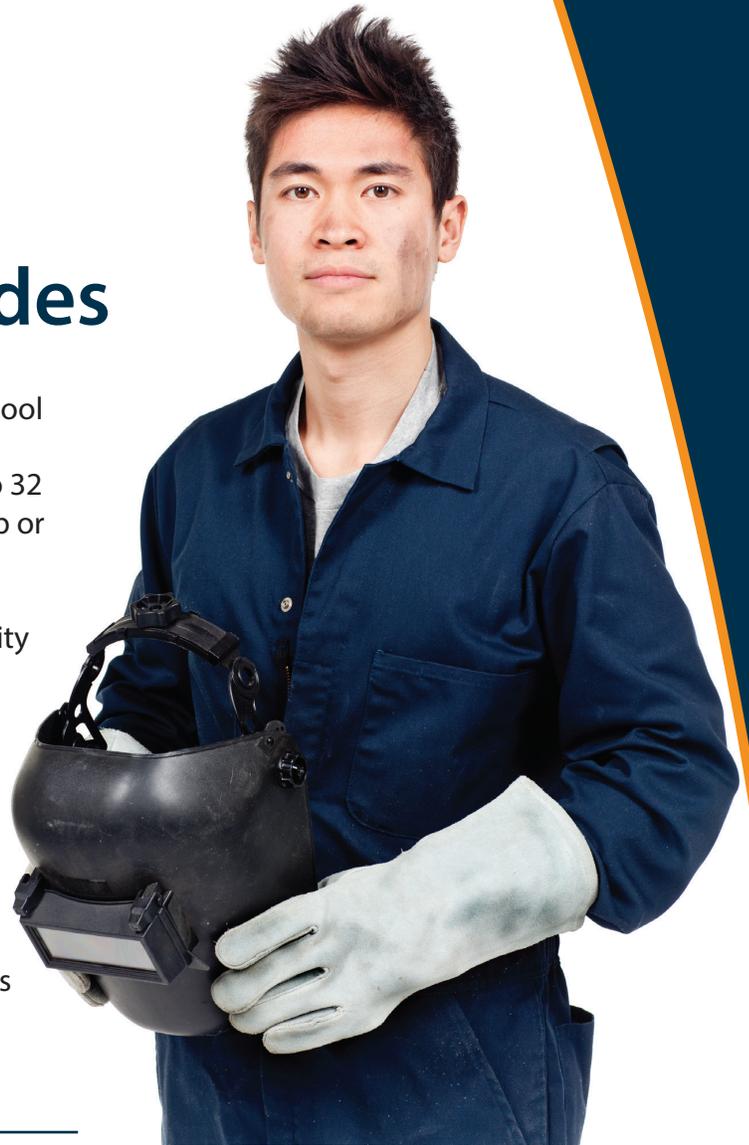
Dates: Grade 11/12 year (program dependent)

Location: UFV Trades and Tech, CSS, SSS, IHSS
(depending on selected program)

Fees: Ancillary fees, books, clothes and tools range from \$1,800 - \$2,400 (depending on selected program)

PROGRAMS OFFERED AT SD33 SCHOOL SITES:

- **Welding** at Sardis Secondary & Chilliwack Secondary, in partnership with University of the Fraser Valley
- **Hairstylist** at Chilliwack Secondary, in partnership with Vancouver Community College
- **Professional Cook** Level 1 at Imagine High, in partnership with Vancouver Community College



SKILLED TRADES BC
YOUTH

UNIVERSITY
OF THE FRASER VALLEY

VCC



**Chilliwack
School District**
CAREER EDUCATION

Regional Career Programs

Regional Career Program training is offered to academically capable secondary school students with an interest in the Trades and Technology sector. The training is designed for high school students who have met their graduation requirements for grade 11 and 12 in an accelerated manner to enroll in full time studies at University of the Fraser Valley in their Grade 12 year.

Students are required to meet University of the Fraser Valley's entrance requirements for the program, including any necessary entrance exams. UFV courses may qualify for DUAL CREDIT, giving students additional credits towards the high school completion certificate.

Regional Career Programs are tuition sponsored by the school district, however students are required to pay ancillary fees and materials. The application process is competitive and space is limited.

REGIONAL CAREER PROGRAMS OFFERED AT UFV

- Architectural Drafting Technician Certificate
- Automotive Collision Repair and Refinishing Foundation
- Automotive Service Technician Foundation
- Carpentry Foundation
- Construction Electrician Foundation
- Electronics Technician Certificate
- Heavy Mechanical Foundation
- Professional Cook Foundation - Level 1 and 2
- Plumbing and Piping Foundation
- Welding Foundation





**Chilliwack
School District**
CAREER EDUCATION

Early Childhood Education Dual-Credit

ECE training is offered to Grade-12 students with an interest in Early Childhood Education. Early Childhood Assistants and Early Childhood Educators can find work in daycares, preschools, nursery schools, special needs centres, public schools, and infant or toddler centres.

Students must be enrolled and completing English 12, and have completed English 11, Math 11, English 10 and Math 10 with C+ average to enroll in part-time studies at the *University of the Fraser Valley* in their Grade 12 year. Students must have the intention to graduate with a Dogwood diploma (B.C. Graduation Certificate).

Tuition fees are covered by the School District. Ancillary fees, books and materials are the student's responsibility. Application process is competitive and space is limited.

Fall Courses at U.F.V.

ECE 100 - Human Development 1
ECE 103 - Introduction to Observing and Recording
Behaviour of Young Children

Winter Courses at U.F.V.

ECE 101 - Introduction to Early Childhood Education
CMNS 125 - Communicating Professionally to
Academic & Workplace Audiences



UNIVERSITY
OF THE **FRASER VALLEY**

Early Childhood Education Pathway for Dual Credit



Dual Credit Entrance Requirements

- School District Application Form
- Letter of Intent
- Complete English 11 and Math 11 - with C+ or better
- Enrolled in English 12 - Must achieve C+ or better



Fall Courses at UFV

- ECE 100 - Human Development 1
- ECE 103 - Introduction to Observing and Recording Behaviour of Young Children



Winter Courses at UFV

- ECE 101 - Introduction to Early Childhood Education
- CMNS 125 - Communicating Professionally to Academic & Workplace Audiences



Pathway Summary

- 12 of the 43 credits for the full ECE Certificate pathway
- Meets the requirement for the Early Childhood Education Assistant (ECAC) certificate

Completing the ECEA Pathway

Students are eligible to apply for an *Early Childhood Education Assistant* certificate through the BC Government Early Childhood Educator Registry, after completing the Fall Semester Courses.

Laddering your Dual Credit into the ECE Program

Once your Dual Credit courses are complete, you can apply to continue your studies at the University of the Fraser Valley to complete your full Early Childhood Education Certificate.



Chilliwack
School District



SCHOOL DISTRICT 78
FRASER-CASCADE
EVERYONE PULLING TOGETHER



**Chilliwack
School District**
CAREER EDUCATION

Inclusive Education Assistant Dual-Credit

Inclusive Education Assistant training is offered to Grade-12 students with an interest in working with school-aged children and youth. IEA's can support students with diverse abilities in elementary, middle, and high schools in a variety of settings, including regular classrooms, learning support rooms, work experience sites, or in life-training settings.

Students must be enrolled and completing English 12, and have completed English 11, Math 11, English 10 and Math 10 with C+ average to enroll in part-time studies at *University of the Fraser Valley* in their Grade 12 year. Students must have the intention to graduate with a Dogwood diploma (B.C. Graduation Certificate).

Students will complete courses toward the Inclusive Education Assistant certificate. Tuition fees are sponsored by the School District. Ancillary fees, books and materials are the student's responsibility. Application process is competitive and space is limited.

Fall Courses at U.F.V.

EDAS 190 - Overview of Inclusive Schooling
EDAS 192 -Strategies to Support Students in Schools

Winter Courses at U.F.V.

HSER 120 - Interpersonal Communications for Human Services
EDAS 194 - Role of the EA in Inclusive Schools



**UNIVERSITY
OF THE FRASER VALLEY**



**Chilliwack
School District**
CAREER EDUCATION

Health Sciences

Dual-Credit

Health Sciences training is offered to Grade 12 students with an interest in working in the Health Sciences field. (Ex: Nursing, or Health Care Assistant.)

Students must be enrolled and completing Biology 12 in their first semester of Grade 12 and have completed Chemistry 11 with a 'B' or better.

As a student, you will earn both School based course credits and University level credits.

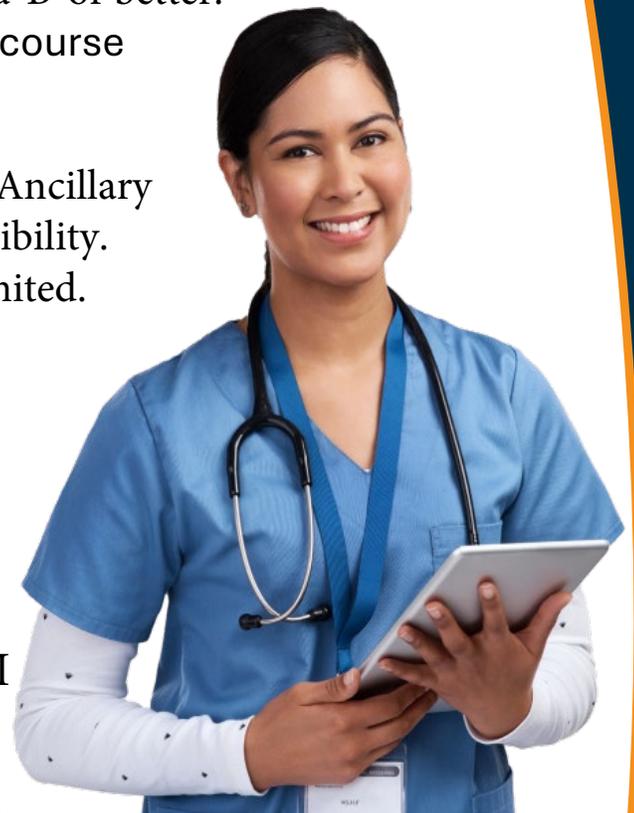
Tuition fees are sponsored by the School District. Ancillary fees, books and materials are the student's responsibility. Application process is competitive and space is limited.

Fall Courses at U.F.V.

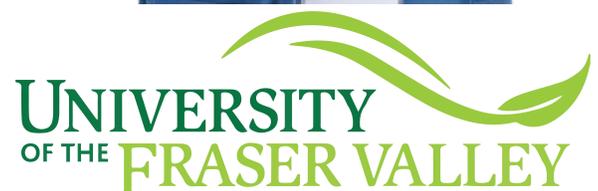
HSC 111 - Human Anatomy & Physiology I
(2 classes per week)

Winter Courses at U.F.V.

HSC 113 - Human Anatomy & Physiology II
(2 classes per week)



Contact your Counsellor or Dual Credit
Apprenticeship Facilitator for more
information.



Program Delivery:

In person course delivery at the Chilliwack U.F.V. campus. Dates are subject to change.



**Chilliwack
School District**
CAREER EDUCATION

Emergency Medical Responder Dual-Credit

The Emergency Medical Responder (EMR) program is offered to students in grade 12 who are interested in entering the emergency medical services or healthcare fields. This program has been designed by the Justice Institute of BC (JIBC) and Columbia College and will be delivered by a specially-trained high school teacher.

The EMR Program will cover such topics as:

- Fundamentals of Emergency Medicine
- Assessments and Diagnostics
- Medical Conditions and Emergencies
- Traumatic Emergencies and Soft Tissue Injuries
- Diverse Populations and EMS Operations

It is recommended that students have completed minimum English 10, Life Sciences 11 and completing Anatomy & Physiology 12. Students must have the intention to graduate with a Dogwood diploma (B.C. Graduation Certificate). This program is rigorous, and student success requires full attendance in class and successful completion of all mandatory exams.

EMR graduates may gain employment with BC Ambulance Services, private ambulance services, fire departments, law enforcement, ski patrol and rescue, or remote industrial workplaces. Graduates may also choose to use their training toward further studies in the healthcare field.



**Justice
Institute**
BRITISH COLUMBIA

