HJ Cambie Secondary

Program Planning Guide

RAISING THE BAR

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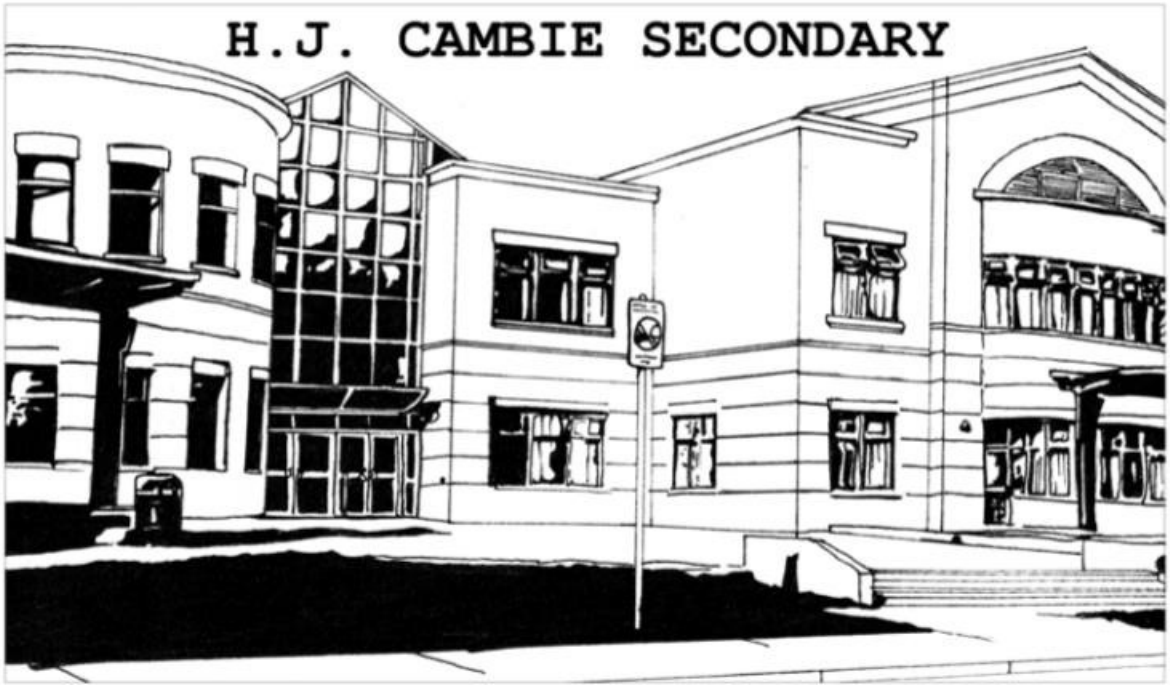


Introduction to Program Planning

This guide is to help students choose their courses for next year.

Important Dates for Program Planning

February 6	Grade Assemblies (8-11) for Program Planning
February 10-11	Grade 8 to 11 Program Planning follow-up visits
Feb. 9 - 20	Online MyEdBC Course Selections completed by students at home
February 17&19	Counsellors offer optional lunch time MyEdBC Course Selection entry session in the Library / Zen Den @PLT /Lunch
February 20	Course Selection Forms Due into the Office (with alternate selections and signed by parents)
March 11	Course Selection Confirmation shared published with Report Cards
March 30	Online course request corrections/changes due using webform submissions

Program Planning refers to the series of events provided to choose course choices for the next school year. The events include student assemblies, parent info night, class visits, course entry and form submission.

Course Selection Sheets are the forms students receive and complete to share their choices.

Course Requests are the courses students choose when completing course selection sheet and entering online in MyEd BC.

Course Request Confirmation is a confirmation of the course selections students entered into myed provided by the school.

Alternate Choices are courses that are selected as a second choice for potential conflicts due to scheduling or size restrictions.

Draft Schedule this is a DRAFT only, which indicates the courses students have been tentatively scheduled in. The school reserves the right to adjust timetable order and section in order to meet class size and composition requirements.

Things to consider:

- Grade 10-12 must take required courses for graduation and a total of 80 credits minimum.
- Choose courses based on requirements and pre-requisites for post secondary programs of interest
- The school schedule is made from your choices.

Changing courses in September might not be possible

Elective courses:

- Not every course in the booklet will be offered.
- Minimum number of students is required to run a course.
- If a course you want doesn't fit with your other choices, one of your alternates will replace it.
- Be sure to pick **alternate choices** that you will be happy with.

Try new things:

- Take a variety of courses.
- If you know your future plans, make sure you take the prerequisites you need for entrance into post secondary programs.

Need help?

- Ask teachers to learn more about specific courses.
- Ask your counsellor.
- See Career Information Advisor (CIA - Ms. Tang) for help.
- Check post-secondary websites for program pre-requisites

Selecting Courses

When selecting courses during program planning it is important that all students:

1. Read the appropriate course descriptions to understand what the course offers.
3. Participate in program planning evenings.
4. Discuss choice of courses with parents, teachers and counsellor.
5. Check post-secondary program requirements.
6. Submit forms on time.

To Do by Feb. 20/25:
Complete the Course Selection Sheet **including signatures** of self and parents
Login/Enter courses on MyEd
Hand in Course Selection Sheet

** PLEASE NOTE WHEN SELECTING COURSES:
Students must indicate alternative courses. Some courses may be unavailable due to low enrolment or to a timetabling conflict with another course selected. In this case, students will be automatically assigned to their "alternate selection". It is very important that students select courses carefully. A change of course during the school year may be detrimental to the student's program and is often impossible to accommodate.

http://hjcambie.sd38.bc.ca/

Cambie's school website is designed to provide the school community with easier access to events happening at our school. Students will be able to view course descriptions for next year and important information relating to school life and course selection.

Registration

Registration at Cambie consists of enrollment in the school, selection of courses, and timetabling of classes. The procedure outlined below is for students with parents/legal guardians who are permanent residents of Richmond. Students who do not live with their parents/legal guardians should contact the school office to clarify registration procedures.

Students entering Grade 8
Cambie counsellors conduct most of the registration procedures through program planning at feeder schools in January. A student is considered registered once all forms have been completed and returned. Students registered through this process will receive a letter in August explaining back-to-school procedures and dates.

Transfer Applications
Students whose residence is not in the Cambie catchment area must apply to attend Cambie. The school transfer form is due no later than 3 p.m. on Tuesday, February 28, 2022. Acceptance is based on the space availability and the regulations published by the Richmond School Board.

Other Students
Students who apply to register at times other than during the program planning sessions need to contact the school for an appointment, bring a copy of their permanent record card or most recent report card and, where necessary, a school transfer form and proof of residence.

School Information

Attendance
There is a school expectation that students attend all classes in which they are registered and attend them on time. Poor or inconsistent attendance has a direct impact on course standing and will be dealt with in a manner that supports student learning.

Costs Associated with Courses
Basic supplies required to fulfill learning outcomes in all courses will be provided to students free of charge. Should a student wish to use other or additional supplies, these may be purchased independently or through the school at cost. Students wishing to take home or to consume completed project work may also do so on a cost-recovery basis. Students may be asked to pay for optional field trips. Some courses also offer optional course workbooks for purchase.

Course Load
All students in grades 8-11 must carry a full schedule of classes - 8 classes per year. Any exceptions to the full load requirement must be approved by the administration. Grade 12 students may request a study block. Senior students with less than a full-load will reduce their odds of receiving a school-based scholarship.

Fees
An annual student fee has been set by the school district and each student is required to pay this fee. It covers the cost of student agendas, communication, and student council/activity fees. There may also be charges for students who are part of teams and clubs.

Textbooks
Subject teachers issue textbooks to students. There is no charge for school texts but if they are not returned or are returned with more than normal wear, students will be billed for their replacement.

Student Services

Counsellors

Counselling is available for all Cambie students. Counsellors help students by:

- to foster their well-being and provide social, emotional support
- to explore and develop educational programs and plans
- to provide counselling involving home or school challenges
- provide referrals to appropriate agencies

Counsellors work with teachers, administrators, parents and other staff to support students' personal, social and academic growth.

Students can make appointments with their counsellor by email or Teams message. Parents can book appointments by calling the main office at 604 668 6430 or emailing the counsellor.

Career Centre

The Career Centre at Cambie provides a wide range of career information materials in the following areas:

- Entrance to Colleges, universities
- Trades, apprenticeships and technical programs
- Job-hunting skills and career options
- Resume writing
- Scholarships, financial aid, and how to apply to post-secondary schools

Career Centre Website:

The website provides students with information on career and post secondary options, program information sessions, and scholarships.

Please note: Post-secondary and scholarship information is constantly changing. Students must take ultimate responsibility to contact relevant sources for the information they require.

Learning Resource Services

The goal of the Learning Resource team is to ensure that all students have an equal opportunity to be successful in school. Students qualifying for support will receive help with their academic courses while they learn to use a variety of learning strategies. Additionally, teachers will help students with homework completion and skills development, and the Resource Team will closely monitor student work habits.
Students who receive Resource support are identified through consultation with the student, student's parents, counsellor, the school-based team, and the Resource Department.

Cambie Commons

Cambie Commons provides drop in academic support to all Cambie students throughout the school day.
Students may access the Commons during all of their classes with teacher permission. While in Cambie Commons, students work with teachers individually or in small groups to:

- get extra help with challenging assignments
- review or catch up on class material
- develop reading, writing, math, study, or organizational strategies
- work in a quiet, focused environment
- …….and much more!

Library Learning Commons

The Cambie library is a vibrant, flexible learning space that offers curriculum-oriented non-fiction materials, reference books, and encyclopedias, as well as a wide array of fiction titles and magazines (and a relaxation center). Students have access to a printer and photocopier, and DVDs are available for classroom use. The collection, with its range of reading levels, is designed to meet the needs of students and staff doing research projects, independent study, and recreational reading. Computers with internet access are provided for students doing school-related research, and students are encouraged to make use of our green screen, white boards, and 3-D printer. Our catalogue is online and can be accessed at home. Assistance is always available to students who need help locating resources that will meet their individual needs. The library is open everyday from 8:00 a.m. to 3:30 p.m.

Course Information

For a list of all our courses, see the course catalogue at the end of this booklet or visit our website at http://hjcambie.sd38.bc.ca.

Advanced Placement Program

The Advanced Placement Program (AP) is a program of acceleration and enrichment that allows gifted or motivated students to begin their college or university studies while still in secondary school. The successful completion of an AP course, with an appropriate level of proficiency on a standardized AP exam, will allow students to apply to colleges and universities for advanced standing, course credit, or both. The AP program helps students pursue challenging academic activities and to develop higher-level thinking skills.

Cambie offers AP courses in:

- 2-D Art & Design 12
- English Literature & Composition 12
- Calculus 12

Students taking these courses write Advanced Placement examinations in May of each year. As is the case for all courses offered at Cambie, sufficient enrollment is required for courses to run.

In Canada, AP courses are rapidly growing in popularity. UBC, SFU, and UVIC recognize the AP program. Students admitted to these institutions who have completed AP subjects with high academic achievement may receive advanced placement credit. AP is recognized in most Eastern Canadian universities as well as all American colleges and universities.

Challenging Courses

Challenge is *undocumented prior learning*. Students are entitled to use Challenge to receive credit for Ministry-Developed or Board/Authority Authorized Grade 10, 11, or 12 courses. For more information about challenge procedures, please talk to your school counsellor.

Language Course Challenge

Students interested in challenging a language course must sign up in October in order to write the exam in January. Please see your school counsellor for further information.

Course Equivalency

Course equivalency means a student can earn credit for a Grade 10, 11, or 12 course if they have already learned the same material somewhere outside the regular B.C. school system.

To receive equivalency credit, all of these must be true:

The course covers at least 80% of the learning outcomes of a B.C. Ministry or Board-Approved course.

The course was taken at a school or program outside the regular B.C. school system.

The student can show proof that they passed the course.

External Credits

External credits come from courses taken outside the regular school system. If the Ministry of Education approves the course, students can use it for graduation credit. Examples of approved external programs include:

- Royal, B.C., and Victoria Conservatory of Music
- Driver's Training Education Programs sponsored by ICBC
- Dance & Drama programs
- Drama courses

Core Competencies

Core Competencies are skills that guide all parts of the B.C. curriculum. These include:

- Communication
- Thinking
- Personal and Social Responsibility

Evaluation

Teachers use different methods to assess students depending on the course. Report cards come out at the end of each term, and interim reports are given halfway through Term 1 and Term 2, or whenever needed.

Proficiency Scales & Learning Maps

For Grades 8 & 9 Students grades are reported as a proficiency mark.

Our Grade 8 and 9 teachers are using Learning Maps and Proficiency Scales as part of our innovative assessment practices. These tools help us communicate student learning more clearly and give richer, more meaningful feedback. They also connect with our use of core competency language, digital portfolios, learning conferences, and proficiency-based descriptions of student progress.

- Emerging: initial understanding
- Developing: Partial understanding
- Proficient: Complete understanding
- Extending: Sophisticated understanding

For Grades 10-12 Students, grades are reported as percentages.

A 86% - 100%
B 73 % -85%
C+ 67% - 72%
C 60% - 66%
C- 50% - 59%
F 0 - 49%

If a student fails a course required for graduation, they will need to either register for summer school or retake the course the following school year.

Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
English 8	English 9	Composition & Lit. Studies 10	Lit. Studies 11	Lit. Studies 12
Social Studies 8	Social Studies 9	Social Studies 10	One Social Studies 12 Option: • BC First Peoples • Law • Genocide Studies • Social Justice • 20th Century History	Elective 12
Math 8	Math 9	One Math 10 Option: • Workplace 10 • Foundations/Pre- Calculus 10	One Math 11 Option: • Workplace 11 • Foundations 11 • Pre - Calculus 11	Elective 12
Science 8	Science 9	Science 10	One Science 11 Option: • Life Science 11 • Chemistry 11 • Physics 11 • Science For Citizens 11	Elective 12
PHE 8	PHE 9	PHE 10	Career Life Education 10	Elective 10/11/12
One Fine Arts Elective Option: • Art Studio 8 • Band 8 • Guitar 8 • Choir 8 • Drama 9	One Fine Arts elective Option: • Art Studio 9 • Arts 2D • Arts 3D • Photo 9 • Band 9 • Drama 9	Elective (Fine Arts or ADST)	Elective 10/11	Elective 10/11/12
Applied Design, Skills and Trade (ADST) 8	One ADST Elective Option: • Food Studies 9 • Computer Tech 9 • Drafting and Design 9 • Electronics and Robotics 9 • Woodwork 9	Elective 10	Elective 10/11	Elective 10/11/12
French 8	Elective	Elective 10 Graduation Assessment Numeracy 10 Literacy 10	Elective 10/11	Elective 10/11/12 CLC 12 (off timetable) Grad Assessment Literacy 12

Additional Requirements to be completed:

- Career Life Connections 12 (off timetable)
- Graduation Numeracy Assessment 10
- Graduation Literacy Assessment 10 and 12

Selecting Courses

When selecting courses during program planning it is important that all students:

1. Read the appropriate course descriptions to make sure that all requirements are met.
7. Participate in program planning evenings.
8. Discuss choice of courses with parents, teachers and counsellor.
9. Check post-secondary program requirements.
10. Submit forms on time.

** PLEASE NOTE WHEN SELECTING COURSES:

It is **very important that students select alternative courses** at this time. Some courses may be unavailable due to low enrolment or to a timetabling conflict with another course selected. In this case, students will be automatically assigned to their "alternate selection". It is very important that students select courses carefully. A change of course during the school year may be detrimental to the student's program, and is often impossible to accommodate.

Scholarships

Students can apply for various types of scholarships, including Provincial, Richmond District, Cambie Valedictory, Community, and Post-Secondary scholarships.

The following is a brief outline of scholarships that are available to secondary graduates. Detailed information can be obtained at the Career Centre.

1) **Provincial Scholarships:** For more information, visit the Provincial Scholarship website.

BC Excellence Scholarship
Recognizes well-rounded students who show strong community service and a clear career path.

- Each school can nominate **one** student
- **55** students in BC receive a **$5,000** scholarship

BC Achievement Scholarships

- Given to the **top 3,000 graduates** with the highest overall marks from Grade 10–12 required and elective courses
- Each recipient receives a **$1,250** tuition scholarship

Pathway to Teacher Education Scholarship (PTES)
For students committed to becoming K–12 teachers

- **20** students are selected
- Each receives a **$5,000** scholarship for a teacher education program in BC

2) **District/Authority Scholarships**

- Students can earn a **$1,250 scholarship** for outstanding achievement in areas such as Applied Skills, Visual or Performing Arts, Home Economics, Foods, Technology Education, Business Education, Physical Activity, or a Second Language.
- Each successful student receives a **$1,250** voucher for post-secondary education

3) **Valedictory Scholarships and Bursaries**

- These awards are donated by the school, alumni, local businesses, organizations, and community members. A school committee selects recipients based on grades and any additional criteria set by the donors. All awards are given out at the **Valedictory ceremony in June**.
- **Note:** Students must complete **six Grade 12 courses** to apply. In special cases, the committee may review individual situations

4) **Community-Based Scholarships**

- Local businesses, industries, unions, and community members offer many scholarships with specific criteria. These opportunities are posted regularly in the **Career Centre**. For more information, visit the district scholarship website.

5) McEwen Family Awards & Scholarships

- The McEwen Family offers **11 scholarships totaling $28,000** each year. These awards support graduates who show critical, creative, and compassionate thinking, and help them with their first steps into post-secondary education.

6) Post-Secondary Scholarships

- Colleges and universities offer their own scholarships to encourage students to attend their programs. Information about these scholarships are available on the institution websites.

Pathways Enrichment Program

Overview

The Pathways Program is designed for grade 8-10 students looking for Leadership Development, Social Responsibility, and Academic Excellence. This exciting program offers an integrated unit of study that combines theme-based, enriched academic courses in English, Social Studies, Science, and PHE. Students in Pathways work closely with the same group of peers over the course of three years, fostering strong relationships and a sense of community.

Aside from these enriched courses, the Pathways Program offers day and overnight fieldtrips, leadership in the community, and outdoor education. The cost of the Pathways program is **$1000 for Grade 8s**, **$400 for Grades 9&10.**, which covers school-based activities such as luncheons, overnights, and all the field trips throughout the year; please note there will be an additional cost for the extended overnight trips. There is an additional fee for Grade 9 and 10 overnight trips. This integrated program is focused on creating a challenging and enriched learning environment while developing the skills needed to become the strong, upstanding leaders of the future: creativity, innovation, confidence, adaptability, effective communication skills, resilience, and an understanding of the importance of giving back to your community. The multi-day trips and close knit nature of the cohort provide unique bonding experiences that strengthen teamwork and camaraderie. Pathways continues in this format through to grade 10, followed by opportunity to pursue additional enriched courses in grade 11 and 12.

Pathways Selection Criteria

This program is geared towards students who demonstrate academic diligence, the ability to act positively and effectively in a variety of social situations, and the drive to assume leadership roles both in the school and in the community. The selection process for this program is based on a desire to pursue leadership opportunities in the school and community, social maturity and strong interpersonal skills, and academic ability and effective work habits. Students will be required to submit an application package, which includes a personal statement outlining their interest in the program, an application form, a teacher recommendation checklist, and a current report card indicating a minimum achievement level of Proficient (this level of achievement is necessary given the demands of the program). In addition, all applicants will participate in an interview and team building event with the Pathways Team.

*Application packages (online) must be received by **Feb 4,2026**, and the team building event will take place at Cambie on February 10,2026*

Pathways 8 is the entry-level foundation of the larger Pathways 8 - 10 Program at Cambie. The focus in Gr. 8 is on critical thinking, learning about the attributes of effective leadership, understanding leadership styles, goal setting, teamwork, organizational skills, developing strong work habits, exploring areas of passion, and self-regulation.

Pathways 9 follows the same structural format, incorporating content designed to meet the enriched learning outcomes of Grade 9. Students in Grade 9 build on their learning from Grade 8, with a focus on building effective relationships, understanding learning styles and personal strengths, taking risks and being resilient, taking initiative, and supporting the needs of others.

Pathways 10 includes the same 4 core subject courses with a variety of elective choices. Students in Grade 10 focus on the application of their learning from Grade 8 & 9 by putting their leadership into action. Students focus on collaboration, taking initiative and utilizing the strengths of a group.

*If you wish to apply for entry into Pathways in Grade 9 or 10, please submit a letter to Ms. Wood explaining why you would like to join the program and include the name of one teacher who can serve as your reference at the bottom of the letter.

H.J. Cambie Secondary School
Pathways Program

GRADE 8

Pathways Courses:
- English Language Arts 8
- Physical & Health Education 8
- Science 8
- Social Studies 8

Supplementary Courses:
- Mathematics 8
- Art 8, Drama 8 or Music 8
- Applied Design, Skills and Technologies (Home Ec. Tech. Ed)
- French 8

GRADE 9

Pathways Courses:
- English Language Arts 9
- Physical & Health Education 9
- Science 9
- Social Studies 9

Supplementary Courses:
- Mathematics 9
- One Fine Arts Elective: Art, Music, and Theatre options
- One Applied Design, Skills & Technologies or Business Elective
- One Modern Language

GRADE 10

Pathways Courses:
- Composition & Literary Studies 10
- Physical & Health Education 10
- Science 10
- Social Studies 10

Supplementary Courses:
- Foundations of Math & Pre-Calculus 10
- Three Elective Options: Art, Business, Home Ec., Modern Languages, Music, Technology, Theatre, and Specialty Courses

Grade 11/12

A wide variety of courses are available in Grade 11/12 for students in the Pathways Program to select. Students have greater flexibility and options in Grade 11/12 to allow them to pursue their interests and passions and to enroll in courses that will provide the prerequisites for post-secondary program options. We encourage students to consider requesting Advanced Placement (AP), Enriched and Honours courses as well as Recreation LeadershipF11/12

Grade 11/12 Pathways students are also encouraged to support the program by pursuing leadership and mentorship opportunities with Grade 8-10 Pathways events, projects and trips.

Cambie Pathways Program
Making Choices for your future

*****Full Access to hyperlinks are contained in the appendix*****

1. *NEW* Manufacturing and Engineering Co-op (MEC) – **Grades 11/12** (not dual credit)

Semester 2 mornings at Burnett Secondary for SD38 students to take in Grade 11/12

- Earn three high school courses = 12 credits (Grade 11/12 level)
- Includes Work Experience in the manufacturing industry
- Option to earn an industry certification through North West Skills Institute
- Learn about concepts and applications in engineering, machining, manufacturing and fabricating
- Applications due in March of year prior to taking program (Gr 10/11's apply)

2. *NEW* Early Childhood Education Assistant Certificate – **Grades 11/12**

Month of July (full-time) for SD38 students to take in summer between Grade 11/12

- Through this program students earn both high school and post-secondary credits (dual credit)
- FREE program TUITION for the ECE courses
- A partnership between SD38 Career Programs and Delta Continuing Education
- Delta Continuing Education is approved provincially as a training institution for Early Childhood Education Basic and Post-Basic Certificates and is certified by Human Resources & Social Development Canada. ***Students gain credits towards a Basic ECE Certificate if they wish to pursue further education locally.***
- The ECE program is designed to develop and enhance practical skills, increasing students' knowledge for a successful ECE career. Students will obtain work experience during the program
- Applications due in March of year taking program (Gr 10/11's apply)

3. LinK38 (Learning in Kwantlen) – **Gr. 11's apply for Gr. 12**

Take one academic course Sept-Dec at Kwantlen (Richmond) through Career Programs

KWANTLEN POLYTECHNIC UNIVERSITY

- Applications available on our website in April – due in May
- Must apply in Gr. 11 and take September of Gr. 12
- Only some courses offered (not all KPU courses available) – see the application (comes out in late April); course taken must match student's post-sec career plan
- Earn 4 high school credits + university credits (Includes **FREE TUITION**)

4. STRIVE – ARTS 1100 (Kwantlen Richmond via ScotiaRISE) – **Gr. 10/11's apply for Gr. 11/12**

Take Arts 1100 course Sept – Dec at Kwantlen (Richmond) through Career Programs

STRIVE ScotiaRISE.

- Applications available on our website in March/April – due in May
- Must apply in Gr. 10 or 11 and take September of Gr. 11 or 12
- Open to students identifying as black, Indigenous or persons of colour OR who think they will not qualify for university
- OPEN to students on an EVERGREEN completion program
- Lots of program support to ensure a positive and successful learning experience
- Earn 4 high school credits + university credits (Includes **FREE TUITION**)

5. RICHMOND RCMP YOUTH ACADEMY – **Open to Grades 10-12 SD38 students**

Day camp – February long weekend (Thursday night – Monday)

- Applications in schools early October and due early November
- Learn about police duties, criminal justice, teamwork, organization, criminal code
- Hear from guest speakers and participate in simulation policing scenarios

For more information email: careerprograms@sd38.bc.ca

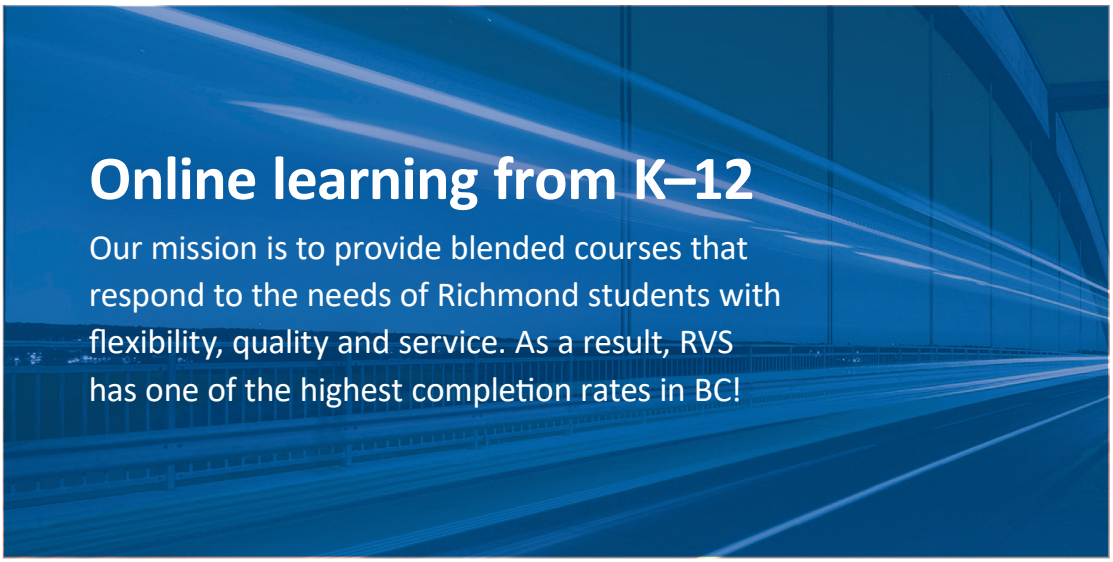
Online Programs

Students can take courses at Cambie as well as online through the **Richmond Virtual School** (RVS). RVS is a Distributed Learning secondary school that offers a variety of courses. It uses a hybrid model of online and face-to-face interaction to deliver high quality and dynamic learning opportunities.

The RVS Distributed Learning program provides flexibility and choice for students, teachers, and schools. Students will have the flexibility of learning anytime/anywhere and will have greater choice in courses available. As independent learners, students will also benefit by developing life-long learning skills that will be useful in other online learning opportunities that they will encounter in their future.

RVS currently provides free academic and elective courses in grades 10 to 12. Students can take one or more courses through RVS and still be registered in their home school. For more information visit the RVS website at: RichmondVirtualSchool.ca.

RVS RICHMOND VIRTUAL SCHOOL



RVS Offers:

- Hybrid (in-person and online) Academic & Elective Courses
- Fast-Track Summer Courses
- Dance & Athlete Programs, AP Psychology, Entrepreneurship, Leadership, Cybersecurity, Work Experience, Project Based Learning options and more!

Register Today for RVS



richmondvirtualschool.ca
Call 604-668-6371 | **Email** rvs@sd38.bc.ca

RICHMOND SCHOOL DISTRICT NO.38

RVS RICHMOND VIRTUAL SCHOOL | RICHMOND SCHOOL DISTRICT NO.38

RICHMONDVIRTUALSCHOOL.CA

Spring-Summer-Fall 2026

[Projected Course List]

SPRING SEMESTER 2

JAN.27 – JUN.19, 2026

Registration open until Feb.12, 2026

20th Century World History 12
Accounting 11
BC First Peoples (SS) 12
Calculus 12
Career Life Education 10 (*RVS Online only*)
Chemistry 11
Computer Programming 11-12
Cybersecurity 11-12
Economics 12
English 11 (Literary Studies)
English Studies 12
English First Peoples 11 (Literary Studies)
English First Peoples 12
Entrepreneurship 12
Foundations of Math & Pre-Calculus 10
Foundations of Math 11, 12
French 10, 11, 12
Law 12
Life Science 11
Mandarin 11, 12
PE 10-12
Physical Geography 12
Physics 11, 12
Pre-Calculus 11, 12
Psychology 12 (YPSYC2A)
Robotics & Drones 10-12
Science 10
Social Studies 10

SUMMER SEMESTER 3

JUN.29 – AUG.7, 2026

Registration open Feb.17 until Jun.25, 2026

Anatomy & Physiology 12
BC First Peoples (SS) 12
CADD and Animation 10-12
Career Life Education 10
Chemistry 11, 12
Computer Programming 11-12
Cybersecurity 11-12
Drafting & Annimation 10-12
English 10, 11, 12
English First Peoples 10, 11, 12
Foundations & Pre-Calculus Math 10
Foundations of Math 11, 12
French 10, 11, 12
Life Science 11
Mandarin Intro.11, 11, 12
PHE 10-12
Photography 10-12
Physical Geography 12
Physics 11, 12
Pre-Calculus 11, 12
Robotics & Drones 10-12
Science 10
Social Justice 12
Social Studies 10
Video Game Development 11
Work Experience 12

FALL SEMESTER 1

SEPT. 2026 – JAN., 2027

Registration open Feb.17 until Sept.29, 2026

Anatomy & Physiology 12
BC First Peoples (SS) 12
Calculus 12
Career Life Education 10 (*RVS Online Only*)
Chemistry 12
Economics 12
English First Peoples 12
English Studies 12
French 11, 12
Foundations & Pre-Calculus Math 10
Foundations of Math 11, 12
Mandarin 12
PE 10-12
Physical Geography 12
Physics 11, 12
Pre-Calculus 11, 12
Psychology 12 (YPSYC2B)

FALL LINEAR 2026

SEP. 8 – JUN. 2027

Registration open Feb. 17 until Oct.23, 2026

AP Psychology (APSY-12 *Optional AP Exam in May)
Career Life Connections 12 (*RVS Online only*)
PE 10-12

CONTINUOUS ENTRY

25/26 Registration open until Feb.12, 2026
26/27 Registration open until Feb.12, 2027

Career Life Connections 12 (*RVS Online only*)
Cybersecurity Co-op 12
PE 10-12

Please note: these courses are asynchronous and students will begin and complete at different times. Students will be encouraged where possible to be on a semester or linear completion schedule.

DANCE & ATHLETE

25/26 Registration open until Feb.12, 2026
26/27 Registration open until Feb.12, 2027

Dance Choreography 10-12
Dance Company 11, 12
Dance Performance 10-12
Fitness & Conditioning (HP/ADP/Oval) 10-12
PE (HP/Oval) 10-12
Theatre 10-12

Please visit: rvs.sd38.bc.ca for more info. on courses/programs or contact RVS with inquiries
Phone: **604-668-6371** or email: rvs@sd38.bc.ca

SCHOOL SPECIFIC OPTIONS

Must be enrolled at listed school:

CLC 12 (all schools)
CLE 10 (Cambie, McMath, McNair, RSS)
Choir and Jazz Band (Palmer, RSS, McMath)
Digital Media & Video Production (Boyd)
Engineering 11 (Burnett/Career Programs)
Food Studies 11, 12 (MacNeill)
Leadership 11, 12 (Boyd, McNair)
Outdoor Education 11, 12 (McMath)
Peer Tutoring (Boyd, Burnett)
Yearbook 10-12 (McNair)
Other (**as announced by your school**)

Meetings:
Weekly course meetings take place in central Richmond at R.C. Palmer Secondary. School specific courses take place at the indicated school. Dance & Oval programs have meetings as arranged by the teacher.

All courses are subject to enrollment and staffing

DISTRICT PROGRAMS

Visit the district website for more information

BL

Blended Learning is a full-time program for students in Kindergarten to grade 7. Students are supported through online class instruction, self-directed learning supported at home, field trips and events at Grauer Elementary.

RAIL

RAIL is a blended, interdisciplinary program where students complete grades 8 - 9 through project-based learning.

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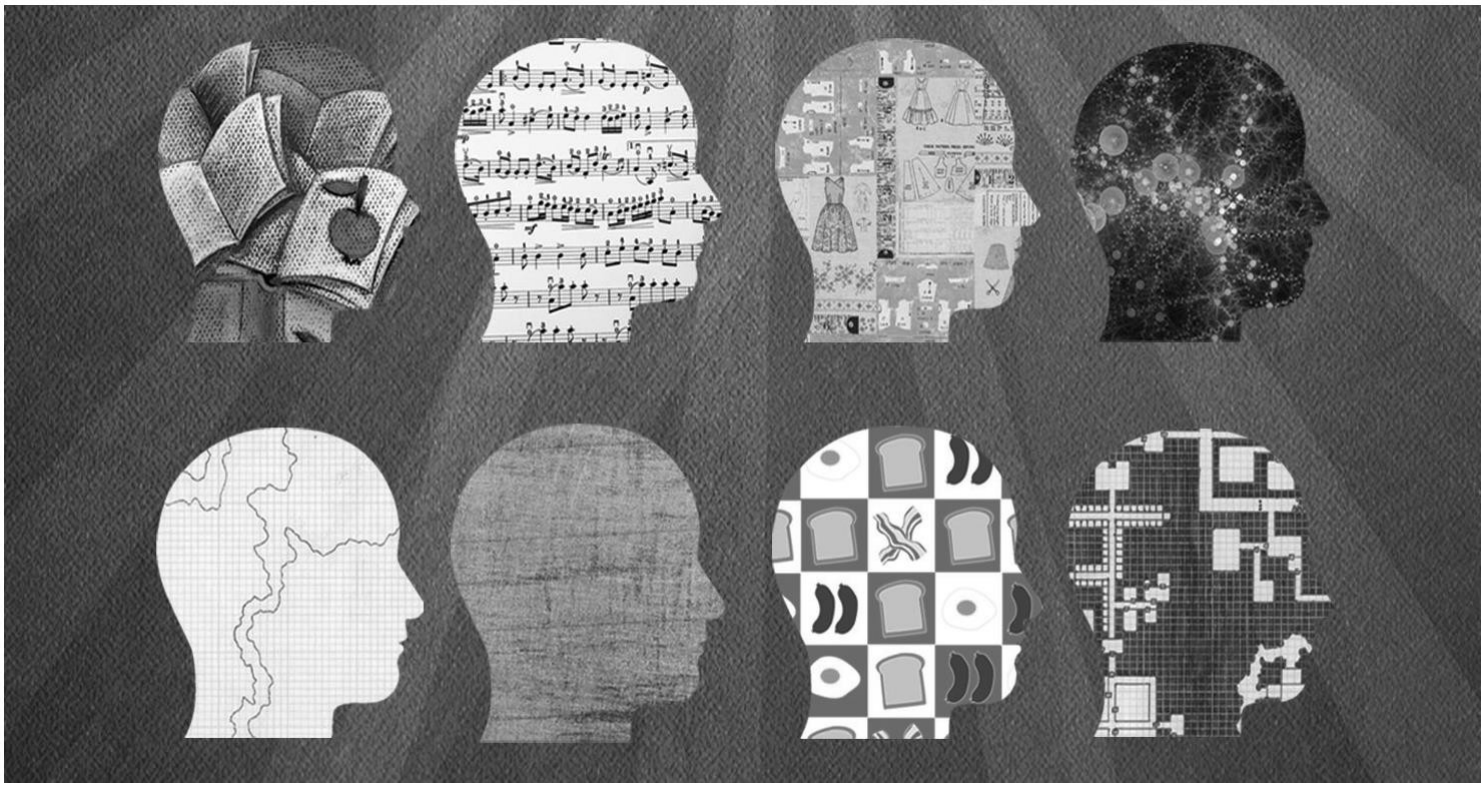
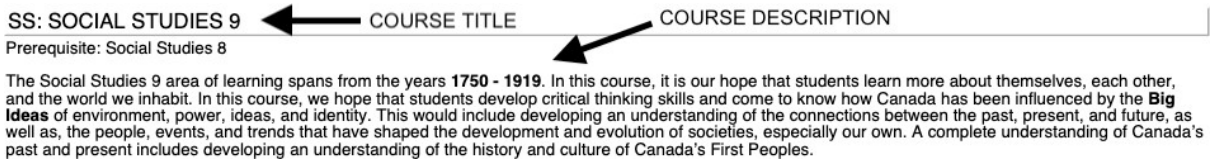
Cambie Course Catalogue



The course catalogue is a list of all of the courses offered at Cambie Secondary. It is important to understand that courses will be offered based on student demand; as a result, some of the courses in the catalogue may not run next year.

Students will be able to view the course code, title, and description of each course. Please read carefully the prerequisites, grade level, and course description of each course before making a course selection.



Courses are sorted by department and then by alpha. Students are encouraged to view the course catalogue online at our website – http://hjcambie.sd38.bc.ca/.

Course Catalogue Index

AR: ART STUDIO 8

Do you love to draw, paint, sculpt, and create...or maybe just improve your skills with some new and crazy techniques? Then this is the course for you! Art 8 is a "little bit of everything" course, and provides a great background for future art courses in Art Studio, Studio Arts 2D, Studio Arts 3D, and Photography. Projects include a fun variety of drawing and painting projects, collage, clay, paper mache, wire…you name it, we can create with it!

The Cambie art studios provide a creative, fun and supportive place for students to explore new skills and to enjoy and appreciate their own work and the creations of others. Come join the creative chaos!

AR: ART STUDIO 9

Prerequisite: None

Art Studio 9 is designed for students with an interest in exploring a wide variety of art making techniques and materials in a fun and creative studio environment! Processes will include both 2D and 3D techniques (drawing, painting, collage and a range of sculptural materials) while exploring an interesting range of themes. Topics and approaches in this course change every year – it is possible to continue in this course in later grades without repeating projects. Come see where the power of your imagination can take you!

AR: ART STUDIO 10

Prerequisite: None

Art Studio 10 is designed for students with an interest in exploring a wide variety of art making techniques and materials in a fun and creative studio environment! Processes will include both 2D and 3D techniques (drawing, painting, collage and a range of sculptural materials) while exploring an interesting range of themes. Topics and approaches in this course change every year – it is possible to continue in the course in later grades without repeating projects. Come see where the power of your imagination can take you!

AR: ART STUDIO 11

Prerequisite: None

Art Studio 11 is designed for students with an interest in exploring a wide variety of art making techniques and materials in a fun and creative studio environment! Processes will include both 2D and 3D techniques (drawing, painting, collage and a range of sculptural materials) while exploring an interesting range of themes. Topics and approaches in this course change every year – it is possible to continue in the course in later grades without repeating projects. Come see where the power of your imagination can take you!

Art Studio 11 is suitable for students in grade 11/12 who are new to art as well as those who have previous art experience.

AR: ART STUDIO 12

Prerequisite: Any Grade 11 Art course

Art Studio 12 is a senior general art survey course, providing the opportunity for anyone with an interest in art to continue to grow their skills and appreciation. As in earlier Art Studio courses, students explore a variety of 2D and 3D techniques and materials and a wide range of themes, but with a more sophisticated approach and more independent motivation. Personal responses to projects and original solutions to artistic problems will be expected and encouraged. Topics and approaches in this course change every year – it is possible to enroll in the course despite having completed previous levels.

AR: STUDIO ARTS 2D 9

Prerequisite: None

Do you love to draw, paint, sketch or collage? Are you hoping to improve your art skills …while having a ton of fun in a supportive and engaging studio environment? Then this is the course for you! Students in Studio Arts 2D 9 are introduced to a range of drawing, painting and image making techniques and materials including pencil, paint, charcoal, conte, collage, ink, printmaking, watercolour, and mixed media. Focus will be on the development of an understanding of the Elements and Principles of Art (colour, form, shape, tone, line, unity, balance, movement, etc) and how to better utilize them to improve our artwork. Students will explore both contemporary and historical artists, styles, and ideas, and will be encouraged to find personal connections/responses to your projects and explorations. Topics and approaches in this course change every year – it is possible to continue in Studio Arts 2D in later grades without repeating projects. Join us in the studio and learn to create art that stops viewers in their tracks!

AR: STUDIO ARTS 2D 10

Prerequisite: None

Do you love to draw, paint, sketch or collage? Are you hoping to improve your art skills …while having a ton of fun in a supportive and engaging studio environment? Then this is the course for you! Students in Studio Arts 2D 10 are introduced to a range of drawing, painting and image making techniques and materials including pencil, paint, charcoal, conte, collage, ink, printmaking, watercolour, and mixed media. Focus will be on the development of an understanding of the elements and principles of art (colour, form, shape, tone, line, unity, balance, movement, etc.) and how to better utilize them to improve our artwork. Students will explore both contemporary and historical artists, styles, and ideas, and you will be encouraged to find personal connections/responses to your projects and explorations. Topics and approaches in this course change every year – it is possible to continue in the course in later grades without repeating projects. Join us in the studio and learn to create art that stop viewers in their tracks!

AR: STUDIO ARTS 2D 11

Prerequisite: None

Do you love to draw, paint, sketch or collage? Are you hoping to improve your art skills …while having a ton of fun in a supportive and engaging studio environment? Then this is the course for you! Students in Studio Arts 2D 11 are introduced to a range of drawing, painting and image making techniques and materials including pencil, paint, charcoal, conte, collage, ink, printmaking, watercolour, and mixed media. Focus will be on the development of an understanding of the elements and principles of art (colour, form, shape, tone, line, unity, balance, movement, etc.) and how to better utilize them to improve our artwork. Students will explore both contemporary and historical artists, styles, and ideas, and you will be encouraged to find personal connections/responses to your projects and explorations. Topics and approaches in this course change every year – it is possible to continue in the course in later grades without repeating projects. Join us in the studio and learn to create art that stop viewers in their tracks!

Studio Arts 2D 11 is suitable for students in grade 11/12 who are new to art as well as those who have previous art experience.

AR: STUDIO ARTS 2D 12

Prerequisite: Any Grade 11 Art course

This course offers senior art students an opportunity to further refine their skills in pencil, paint, charcoal, conte, collage, ink, printmaking, watercolour, and mixed media. You will be invited to challenge yourself, to try new techniques, and to direct some of your own exploration. Personal responses to projects and original solutions to artistic problems will be expected and encouraged. Topics and approaches in this course change every year – it is possible to enroll in the course despite having completed previous levels.

AR: STUDIO ARTS 3D 9

Prerequisite: None

Studio Arts 3D 9 is designed for students with an interest in sculptural art and a desire to see their creative ideas evolve in a fun and supportive studio environment! Students work with an ever-rotating variety of techniques and materials (including clay, plaster, cardboard, found objects, wire, paper mache and more!) while exploring a wide range of artistic themes.
Topics and approaches in this course change every year – it is possible to continue in Studio Arts 3D in later grades without repeating projects. Come join the creative chaos!

AR: STUDIO ARTS 3D 10

Prerequisite: None

Studio Arts 3D 10 is designed for students with an interest in sculptural art and a desire to see their creative ideas evolve in a fun and supportive studio environment! Students work with an ever-rotating variety of techniques and materials (including clay, plaster, cardboard, found objects, wire, paper mache and more!) while exploring a wide range of artistic themes. Topics and approaches in this course change every year – it is possible to continue in this course in later grades without repeating projects. Come join the creative chaos!

AR: STUDIO ARTS 3D 11

Prerequisite: None

Studio Arts 3D 11 is designed for students with an interest in sculptural art and a desire to see their creative ideas evolve in a fun and supportive studio environment! Students work with an ever-rotating variety of techniques and materials (including clay, plaster, cardboard, found objects, wire, paper mache and more!) while exploring a wide range of artistic themes. Topics and approaches in this course change every year – it is possible to continue in this course in later grades without repeating projects. Come join the creative chaos!

Studio Arts 3D 11 is suitable for students in grade 11/12 who are new to art as well as those who have previous art experience.

AR: STUDIO ARTS 3D 12

Prerequisite: Any Grade 11 Art course

This senior course builds on previous sculptural experiences in using materials and techniques to make exciting 3D artwork (See course descriptions for Studio Arts 3D 9, 10, 11). Senior students are invited to challenge themselves, to try new techniques, and to direct some of their own exploration. Personal responses to projects and original solutions to artistic problems will be expected and encouraged. Energy, originality, and a disciplined approach to this course is valued. Topics and approaches in this course change every year – it is possible to enroll in the course despite having completed previous levels.

AR: PHOTO 9

Prerequisite: None

We are an image-based society...ever wonder what goes into making a photographic image really exciting and not just another "snapshot" or "selfie"?

Photography 9 introduces students to the basics of camera operations, effective composition, and both digital (Photoshop) and traditional film/darkroom techniques. Students will explore the medium of photography from both a technical and artistic vantage point, with emphasis on creating effective, imaginative, and eye-catching images. Students will also explore the possibilities for artistic manipulation of their photographs in the form of paintings, collage, hand tinting/toning, digital manipulation and more. This course is suitable for students who intend to pursue photography, filmmaking, graphic design, visual arts...or for those who simply have a curiosity and desire to improve their skills in a fun environment!

Note: Students should have access to a digital camera. A quality cellphone will suffice, *although a digital SLR camera would be an asset.* A film based, 35mm camera will also be utilized. Minimal supplies will be provided to students. Should a student wish to use optional materials to enhance or to elaborate upon the learning outcomes, these may be purchased directly or through the school on a cost-recovery basis.

AR: PHOTOGRAPHY 10

Prerequisite: None.

Photography 10 is designed for both NEW and RETURNING Photography students. Course "level" will be assigned by the instructor in September – based on previous Photography experience.

We are an image-based society...ever wonder what goes into making a photographic image really exciting and not just another "snapshot" or "selfie"?

NEW Photography Students (Level 1) cover the basics of camera operations, effective composition, and both digital (Photoshop) and traditional film/darkroom techniques. Students will explore the medium of photography from both a technical and artistic vantage point, with emphasis on creating effective, imaginative, and eye-catching images. Students will also explore the possibilities for artistic manipulation of their photographs in the form of paintings, collage, hand tinting/toning, digital manipulation and more. This course is suitable for students who intend to pursue photography, filmmaking, graphic design, visual arts...or for those who simply have a curiosity and desire to improve their skills in a fun environment!

RETURNING Photography Students (Level 2) build on the foundation skills acquired in their previous course, with an increasing emphasis on the development of an *individual style* – "What makes your photos truly unique and *personal*"? Students will experiment with advanced camera techniques to produce images that convey their growing sense of strong composition, emotional/artistic connection, and technical mastery. Projects will include a look at the concepts of graphic design, high fashion photography, portraiture, still life, special effects, and more, with an emphasis on creative responses. Both digital (Photoshop) and traditional film/darkroom techniques are explored and expanded.

Note: Students should have access to a digital camera. A quality cellphone will suffice, *although a digital SLR camera would be an asset.* A film based, 35mm camera will also be utilized. Minimal supplies will be provided to students. Should a student wish to use optional materials to enhance or to elaborate upon the learning outcomes, these may be purchased directly or through the school on a cost-recovery basis.

AR: PHOTOGRAPHY 11

Prerequisite: None.

Photography 11 is designed for both <u>NEW</u> and <u>RETURNING</u> Photography students. Course "level" will be assigned by the instructor in September – based on previous Photography experience.

We are an image-based society...ever wonder what goes into making a photographic image really <u>exciting</u> and not just another "snapshot" or "selfie"?

<u>NEW Photography Students</u> (Level 1) cover the basics of camera operations, effective composition, and both digital (Photoshop) and traditional film/darkroom techniques. Students will explore the medium of photography from both a technical and artistic vantage point, with emphasis on creating effective, imaginative, and eye-catching images. Students will also explore the possibilities for artistic manipulation of their photographs in the form of paintings, collage, hand tinting/toning, digital manipulation and more. This course is suitable for students who intend to pursue photography, filmmaking, graphic design, visual arts...or for those who simply have a curiosity and desire to improve their skills in a fun environment!

<u>RETURNING Photography Students</u> (Level 2) build on the foundation skills acquired in their previous course, with an increasing emphasis on the development of an *individual style* – "What makes your photos truly unique and *personal*"? Students will experiment with advanced camera techniques to produce images that convey their growing sense of strong composition, emotional/artistic connection, and technical mastery. Projects will include a look at the concepts of graphic design, high fashion photography, portraiture, still life, special effects, and more, with an emphasis on creative responses. Both digital (Photoshop) and traditional film/darkroom techniques are explored and expanded.

<u>THIRD YEAR Photography Students</u> (Level 3) should be committed to perfecting their skills both technically and creatively. It is expected that students enrolled in at this level have a firm grasp of beginning and advanced photo techniques (both traditional and digital). Level 3 is extremely self-directed and requires a dedicated and motivated student who understands the time demands necessary for excellent results. Students will be asked to pursue their own creative ideas with vigour and to seek out creative and original solutions to photographic problems. Not only will students in Level 3 be creating a portfolio that displays breadth and quality, they will also search out their own artistic style and voice.

Note: Students should have access to a digital camera. A quality cellphone will suffice, *although a digital SLR camera would be an asset.* A film based, 35mm camera will also be utilized. Minimal supplies will be provided to students. Should a student wish to use optional materials to enhance or to elaborate upon the learning outcomes, these may be purchased directly or through the school on a cost-recovery basis.

AR: PHOTOGRAPHY 12

Prerequisite: Photography 11

Photography 12 is designed for RETURNING Photography students. Course "level" will be assigned by the instructor in September – based on previous Photography experience.

We are an image-based society...ever wonder what goes into making a photographic image really exciting and not just another "snapshot" or "selfie"?

RETURNING Photography Students (Level 2) build on the foundation skills acquired in their previous course, with an increasing emphasis on the development of an *individual style* – "What makes your photos truly unique and *personal*"? Students will experiment with advanced camera techniques to produce images that convey their growing sense of strong composition, emotional/artistic connection, and technical mastery. Projects will include a look at the concepts of graphic design, high fashion photography, portraiture, still life, special effects, and more, with an emphasis on creative responses. Both digital (Photoshop) and traditional film/darkroom techniques are explored and expanded.

THIRD YEAR Photography Students (Level 3) should be committed to perfecting their skills both technically and creatively. It is expected that students enrolled in at this level have a firm grasp of beginning and advanced photo techniques (both traditional and digital). Level 3 is extremely self-directed and requires a dedicated and motivated student who understands the time demands necessary for excellent results. Students will be asked to pursue their own creative ideas with vigour and to seek out creative and original solutions to photographic problems. Not only will students in Level 3 be creating a portfolio that displays breadth and quality, they will also search out their own artistic style and voice.

Note: Students should have access to a digital camera. A simple "point and shoot" automatic or quality cellphone will suffice, *although a digital SLR camera would be an asset.* A film based, 35mm camera will also be utilized. Minimal supplies will be provided to students. Should a student wish to use optional materials to enhance or to elaborate upon the learning outcomes, these may be purchased directly or through the school on a cost-recovery basis.

AR: ENRICHED ART STUDIO 11

Prerequisite: Art 10 strongly recommended, or teacher recommendation.

Art 11 Enriched is a course designed for students who wish to pursue art or art related courses at the post-secondary level or for students *who simply love and excel at art making!* Art 11 Enriched focuses on the development of a personal style, the improvement of the fundamental skill sets required of all artists (Elements and Principles of Design), and on the development of a portfolio-worthy body of work. The artistic development initiated in Art 11 Enriched can be continued into AP Art 12 for students wishing to continue their artistic focus. (Please see the Art 12 AP course description.) Students will explore a wide range of materials including drawing, painting, clay, paper mache, collage, ink, printmaking, and mixed media in a challenging but supportive studio environment.

AR: AP PORTFOLIO 12

Prerequisite: Art Enriched 11 *or* Art 11 with teacher recommendation *or* Photo Level 3 with teacher recommendation.

Advanced Placement Art and Design 12 is a University-level course for highly motivated students who are passionately interested in the study of art and art making. The program demands a significant personal commitment. AP is an intensive course and requires more time than a regular art class. Students will need to work outside the classroom, as well as in it, and beyond scheduled periods. Experience has proven that most students will require many additional hours to complete portfolios that earn more than a mere pass by the AP Board.

Homework, such as maintaining a sketchbook, is a necessary component of instruction. It is highly recommended that AP Studio Art students have previous training in art (such as Art Enriched 11, other Cambie art or photography courses, or outside classes such as those offered by the Richmond Art Gallery).

AP Art 12 gives high school students the opportunity to receive Advanced Placement credit at participating universities (often equivalent to first year course credits - please see your counsellor for more details) upon successful completion and evaluation of the student's portfolio by the US-based Advanced Placement Board - usually in May. *It is not required that students submit a portfolio to the AP Board, but all students are required to complete a final portfolio for school-based evaluation by the end of the semester.*

BE: ENTREPRENEURSHIP & MARKETING 10

Prerequisite: None

This course has been designed as an introduction to the Business Education curriculum. Topics discussed include: Business communications, Business Law, marketing, advertising, communications, economics, accounting, and banking. There is a general focus on entrepreneurship and promotion. Students will have the opportunity apply their business knowledge to developing and implementation a business plan and sales challenge. After completing Business Education 10, students will have acquired a basic understanding of the fundamentals for business education courses available in grades 11 and 12.

BE: ACCOUNTING 11

Prerequisite: Math 10 recommended
Fee: $25.00 workbook recommended

This course is designed as an introduction to accounting concepts for those students seeking entry-level employment skills or a post-secondary commerce option. Topics to be covered are: general ledger, journal entries, trial balance, financial statements: income statement and balance sheet, worksheets and closing entries. This course provides students with the opportunity to use the computer in all financial problems. This is a useful course for students who expect to pursue employment in business immediately upon high school graduation. Students who intend to complete a university degree, college business diploma, or a professional accounting degree are also strongly advised to take this course.

BE: ACCOUNTING 12

Prerequisite: Accounting 11

This course stresses the practical application of the principles taught in Accounting 11 using more advanced procedures and techniques. Accounting 12 enables students to use industry-standard computer software (Account Edge) to analyze and solve accounting problems and to produce accounting reports. This course is useful for any student who intends to seek employment in business directly following high school graduation. Topics covered are Merchandising Business, Fixed Assets, Corporations, Depreciation, Bank Reconciliations, Internal Control, Payroll Accounting, and Financial Analysis. Students who intend to complete a university degree, college business diploma, or a professional accounting degree are also strongly advised to take this course.

BE: FINANCIAL ACCOUNTING 12

Prerequisite: Math 10 recommended
Fee: $25.00 workbook recommended

This course is intended for students who wish to pursue post-secondary studies in accounting, finance, business management, or commerce. Advanced concepts of financial accounting encourage students to develop analytical, decision-making skills and communication skills. Accounting skills are also useful to students intending to pursue professions other than business. Students who intend to complete a university degree, college business diploma, or a professional accounting degree are also strongly advised to take this course.

BE: MARKETING AND PROMOTION 11

Prerequisite: None

Students will evaluate methods used by businesses to inform markets of their products, services, and ideas. They will also examine the influence of various cultures on the way businesses conduct marketing. Topics may include marketing research, market segmentation, product development, pricing strategy, and AIDA. Projects, presentations, activities and field trips will be used to develop an understanding about the methods used to attract customers to products and services. Students will be involved in the running of a student based school business by deciding which products will be sold and then order, price, market, and retail store merchandise. Designing and selling of Cambie Gear is an option.

BE: E-COMMERCE 12

Prerequisites: Marketing 11 or Accounting 11 are strongly recommended.

This is an introductory course which will provide an overview on all aspects of Electronic Commerce and opportunity in the virtual business place. Topics may include e-Commerce Infrastructure and Evolution, Digital Business strategies, e-Commerce Systems Analysis and Design, Distribution and Supply Chain Management, Cyber Marketing Strategies, Electronic Payment Systems, Legal and Ethical Issue in e- commerce. Students will have the opportunity to design, construct, test and apply e-Commerce business principles to a school based business opportunity. Designing and selling of grad clothing using an online business platform may be an option.

BE: ECONOMICS 12

Prerequisites: Social Studies 11 is strongly recommended.

This course is an introduction to economic theory, the Canadian economy and global trends. It deals with the economic relationships between nations. It covers topics such decision making economics systems, recessions, unemployment, inflation, foreign ownership, income distribution, the relationship between supply and demand, economics growth and international trade. EC 12 examines the roles of the major players on the economic scene: consumers, investors, business, labour and government. Students planning to enter the Faculty of Commerce/Business Administration in post-secondary studies will find this course very helpful. Economics 12 is a university entrance approved course for most institutions in Canada.

BE: WORK EXPERIENCE ACCOUNTING

Please see the Work Experience section of the Cambie Program Planning book.

BE: WORK EXPERIENCE MARKETING

Please see the Work Experience section of the Cambie Program Planning book.

EN: ENGLISH LANGUAGE ARTS 8

The English Language Arts 8 Program is developed around seven principles:

1. Language and text can be a source of creativity and joy.
2. Exploring text and story helps us understand ourselves and make connections to others and to the world.
3. Developing our understanding of how language works allows us to use it purposefully.
4. Purpose, audience and context guide the author's choices in the construction of text.
5. Language can shape ideas and influence others.
6. People understand texts differently depending on their worldviews and perspectives.
7. Texts are socially, culturally, and historically constructed.

Students will develop a basic understanding of the fundamentals of the English language, as well as develop and refine strong writing, listening, speaking, and reading skills. A wide variety of novels, short stories, and works of non-fiction will be used.

EN: ENGLISH LANGUAGE ARTS 8 PATHWAYS

Students will follow the same curricular program as English Language Arts 8, but will have enriched opportunities, such as fieldtrips and special projects, to further explore areas of interest.

EN: ENGLISH LANGUAGE ARTS 9

Prerequisite: English Language Arts 8

The English Language Arts 9 Program is developed around six principles:

1. Language and text can be a source of creativity and joy.
2. Exploring text and story helps us understand ourselves and make connections to others and to the world.
3. Exploring and sharing multiple perspectives extends our thinking.
4. Developing our understanding of how language works allows us to use it purposefully.
5. Texts are created for different purposes and audiences.
6. Synthesizing the meaning from different texts and ideas helps us create new understandings.

Students will continue to develop the communication skills of listening, speaking, reading, and writing. They will explore more challenging works of literature in a variety of forms and genres. Students will learn to recognize and write different types of paragraphs, using a sequential process of writing instruction, and will work on multi paragraph compositions.

EN: ENGLISH LANGUAGE ARTS 9 PATHWAYS

Prerequisite: English Language Arts 8

Students will follow the same curricular program as English Language Arts 9, but will have enriched opportunities, such as fieldtrips and special projects, to further explore areas of interest.

EN: ENGLISH FIRST PEOPLES WRITING AND LITERARY STUDIES 10

Students will receive the 4 credits needed to meet the requirements of this program by successful completion of the following 2 modules, offered over the course of the school year -

1) Writing 10 (2 Credits)
Prerequisite: English Language Arts 9

Writing 10 is designed for students who have an interest in developing their skills in written communication in a variety of contexts. The course provides students with opportunities to think critically as they explore, extend, and refine their writing. Within a supportive community of writers, students will work individually and collaboratively to explore and create coherent, purposeful compositions. They will develop their craft through processes of drafting, reflecting, and revising to build a body of work that demonstrates breadth, depth, and evidence of writing for a range of situations. The course provides opportunities for diverse learners to be supported in developing and refining their writing abilities.

The following are possible areas of focus within Composition 10:
- narrative, expository, descriptive, persuasive, and opinion pieces
- planning, drafting, and editing processes
- writing for specific audiences and specific disciplines
- how to cite sources, consider the credibility of evidence, and evaluate the quality and reliability of the source

2) Literary Studies 10 (2 credits)
Literary Studies 10 is designed for students who are interested in the literature of a particular era, geographical area, or theme, or in the study of literature in general. The course allows students to delve more deeply into literature as they explore specific themes, periods, authors, or areas of the world through literary works in a variety of media. Giving students the choice of a range of literary topics allows them to follow their passion and at the same time:

- increase their literacy skills through close reading of appropriately challenging texts
- enhance their development of the English Language Arts curricular competencies, both expressive & receptive
- expand their development as educated global citizens
- develop balance and broaden their understanding of themselves and the world
- develop higher-level thinking and learning skills

The following are possible areas of focus in Literary Studies 10:
- Genre-specific studies — poetry, short stories, novels, drama, graphic novels, children's literature
- Canadian literature
- First Peoples texts
- thematic studies
- specific author studies

EN: ENGLISH FIRST PEOPLES WRITING AND LITERARY STUDIES 10 PATHWAYS

Prerequisite: English Language Arts 9

Students will follow the same curricular program as Composition & Focused Literary Studies 10, but will have enriched opportunities, such as fieldtrips and special projects, to further explore areas of interest.

EN: ENGLISH STUDIES 11

Prerequisite: Composition & Focused Literary Studies 10, English First Peoples Writing and Literary Studies 10 or English First Peoples Writing and Literary Studies 10 Pathways

English Studies 11 allows students to delve deeply into literature. Students can explore specific themes, periods, authors, or areas of the world through literary works (fiction and non-fiction) in a variety of media. Giving students the choice of a range of literary topics allows them to follow their passion and at the same time: • increase their literacy skills through close reading of appropriately challenging texts • enhance their development of the English Language Arts curricular competencies, both expressive and receptive • expand their development as educated global citizens • develop balance and broaden their understanding of themselves and the world • further develop higher-level thinking and learning skills

EN: ENGLISH COMPOSITION AND LITERACY STUDIES 11 ENRICHED

Prerequisite: English First Peoples Writing and Literary Studies 10, English First Peoples Writing and Literary Studies 10 Pathways, English Composition and Literary Studies 10 or English Composition and Literary Studies 10 Pathways.

This course will be offered as a "Pre-AP" course where students will be in a shared classroom with Advanced Placement English Literature 12 students. This course is open for students coming from both English First Peoples Writing and Literary Studies 10 and English First Peoples Writing and Literary Studies 10 Pathways

Students must have a desire to improve their English-based skills and understanding by interacting with a range of materials. In this shared space, students will be exposed to sophisticated literature and concepts, challenging them beyond typical grade-level expectations. Being a positive contributor within the classroom with strong work habits, self-motivation, and an ability to work both independently and collaboratively are necessary.

Students have the option the following year to continue with Advanced Placement English Literature 12 or to take English Studies 12. An English 12 course is mandatory for graduation.

EN: ENGLISH STUDIES 12

Prerequisite: Literary Studies 11

The required English Studies 12 course builds on and extends students' previous learning experiences in English Language Arts courses and English First Peoples Writing and Literary Studies 10. It is designed for all students and provides them with opportunities to:

- refine their ability to communicate effectively in a variety of contexts and to achieve their personal and career goals
- think critically and creatively about the uses of language
- explore texts from a variety of sources, in multiple modes, and that reflect diverse worldviews
- deepen their understanding of themselves and others in a changing world
- gain insight into the diverse factors that shape identity
- appreciate the importance of self-representation through text
- contribute to Reconciliation by building greater understanding of the knowledge and perspectives of First Peoples
- expand their understanding of what it means to be educated Canadian and global citizens

EN: AP ENGLISH LITERATURE and COMPOSITION 12

Prerequisite: Literary Studies 11 and Teacher Recommendation
Optional Exam Fee: $175.00

This is an 8-credit course. Students electing this course will be involved in an enriched study of literature and the history of the English Language. The ability to write independent literary criticism and to appreciate literature from a variety of genres and eras are the main goals of the course. Students have the option to write the Advanced Placement Examination in May. Students obtaining a sufficiently high standing will be eligible for first year English credit at many universities across North America.

The major objectives of this course are to:
1. Study individual authors in relation to the times in which they lived.
2. Extend the student's knowledge of the writers and periods that appeal to them.
3. Give students an idea of our cultural heritage so that they can better understand themselves and their society.
4. Help students to see the historical roots of contemporary literature.

EN: PSYCHOLOGY 12

Prerequisite: Literary Studies 11

This course introduces students to the systematic and scientific study of behaviour and mental processes, in this academic elective. Students learn about the principles and phenomena of the major sub-fields within Psychology, and about the diverse range of treatment options that psychologists use in their practice. This course is discussion-based and experiential – given the nature of the topics covered a mature attitude is essential.

Units of study may include:

1. Social Psychology
2. Nature, Nurture and Human Diversity
3. Neuroscience and Behaviour
4. Sensation and Perception
5. Learning and Memory
6. Psychological Disorders and Therapy
7. Personality and Emotion
8. Motivation and Stress

The English Language Learner (ELL) program is designed to help students develop fluency and literacy in English, enabling them to succeed both academically and socially in mainstream classes.
The primary goals of the ELL program are:

- To support students in achieving proficiency in listening, speaking, reading, and writing in English.

- To assist students with their integration into the regular curriculum.

- To facilitate an understanding of Canada's multicultural society and its First People.

- To prepare students to contribute positively to Canadian society.

Students are programmed according to their English language skills and receive language support according to their ELL level.

English Language Learners Program

Intermediate Program (grades 8 and 9)	Graduation Program (grades 10, 11 and 12)
Level 1 – Beginning ELL 1 Social Studies Junior ELL 1 English Language Strategies Jr ELL 1 Science Junior Math Physical & Health Education 3 Electives	**Level 1 - Beginning** ELL 1 Social Studies Senior ELL 1 English Language Strategies Sr ELL 1 Science Senior Math Physical & Health Education (10s) 3 Electives
Level 2- Developing ELL 2 Social Studies Junior ELL 2 English Language Strategies Jr ELL 2 Science Junior Math Science Physical & Health Education 2 Electives	**Level 2 - Developing** ELL 2 Social Studies Senior ELL 2 English Language Strategies Sr ELL 2 Science Senior Math Science Physical & Health Education (10s) 2 Electives
Level 3- Expanding English Language Strategies Jr ELL 3 Composition Junior Math Science Social Studies Physical & Health Education 2 Electives	**Level 3- Expanding** ELL 3 English Language Strategies Sr ELL 3 Composition Senior Math Science Social Studies Physical & Health Ed. (10s), Career Life Education (11s,12s) 2 Electives
Level 4- Consolidating ELL 4: Writing and Literature Junior Math Science Social Studies English Language Arts Physical & Health Education 2 Electives	**Level 4- Consolidating** ELL 4: Writing and Literature Senior Math Science Social Studies English Physical & Health Ed. (10s), Career Life Education (11s,12s) 2 Electives

**All level 5 students are in mainstream courses and additional ELL support is available*
***Students must complete all core courses in grades 10, 11, and 12, as they are required for graduation.*
**** ELL Students do not receive letter grades or percentages on report cards; instead, they receive an ELL Continuum that informs the students and parents of the students' current listening/speaking, reading and writing levels.*

ELL: ELL 1/2 ENGLISH LANGUAGE STRATEGIES - JUNIOR

Grades 8-9

This course is designed to give students practice and instruction in reading a variety of texts at appropriate levels. The focus will be on increasing reading comprehension and speed as well as developing reading skills such as making connections and asking questions.

ELL: ELL 1/2 SCIENCE JUNIOR

Grades 8-9

This course is designed to give students some basic science knowledge and terminology. The mechanics of writing, spelling, sentence structure, grammar, and punctuation are emphasized through science content. Class time may also be used to support students with their regular science classes.

ELL: ELL 1/2 SOCIAL STUDIES JUNIOR

Grades 8-9

This course is designed to give students opportunities to practice reading, writing, listening, and speaking skills in English while learning about their community, culture, Canadian geography, world geography, and Canada: the provinces, capitals, regions, resources, and industries. Language for communication is the focus of this course as well as some academic language.

ELL: ELL 1/2 ENGLISH LANGUAGE STRATEGIES- SENIOR

Grades 10-12

This course is designed to give students practice and instruction in reading a variety of texts at appropriate levels. The focus will be on increasing reading comprehension and speed as well as developing reading skills such as making connections and predictions.

ELL: ELL 1/2 SCIENCE SENIOR

Grades 10-12

This course is designed to give students some basic science knowledge and terminology. The mechanics of writing, sentence structure, grammar, and punctuation are emphasized through science content. Class time may also be used to support students with their regular science classes.

ELL: ELL 1/2 SOCIAL STUDIES SENIOR

Grades 10-12

This course is designed to give students opportunities to practice reading, writing, listening, and speaking skills in English while learning about their community, culture, Canadian geography, world geography, and Canada: the provinces, capitals, regions, resources, and industries. Language for communication is the focus of this course as well as some academic language.

ELL: ELL 3 COMPOSITION JUNIOR

Grades 8-9

This course focuses on the teaching of technical and mechanical skills in writing. Students will concentrate on acquiring a functional vocabulary, reinforcing and refining grammar skills, and applying language structure and usage in exploring many types of writing. Emphasis will be placed on communication through writing and developing and applying writing styles through practice. Students will spend their time reading, planning, writing, and revising.

To support the social studies curriculum and to further students' knowledge of Canada, discussions and readings will include topics that deal with Canadian current events, history, and geography.

ELL: ELL 3 ENGLISH LANGUAGE STRATEGIES- JUNIOR

Grades 8-9

This course is designed to provide a bridge between ELL and the mainstream English class. This class focuses on both literature and language and gives students an opportunity to develop and practice reading strategies, discuss and respond to a variety of texts, and practice both creative and expository writing.

ELL: ELL 3 COMPOSITION SENIOR

Grades 10-12

This course focuses on the teaching of technical and mechanical skills in writing. Students will concentrate on acquiring a functional vocabulary, reinforcing and refining grammar skills, and applying language structure and usage in exploring many types of writing. Emphasis will be placed on communication through writing and developing and applying writing styles through practice. Students will spend their time reading, planning, writing, and revising.

To support the social studies curriculum and to further students' knowledge of Canada, discussions and readings will include topics that deal with Canadian current events, history, and geography.

ELL: ELL 3 ENGLISH LANGUAGE STRATEGIES- SENIOR

Grades 10-12

This course is designed to provide a bridge between ELL and the mainstream English class. This class focuses on both literature and language and gives students an opportunity to develop and practice reading strategies, discuss and respond to a variety of texts, and practice both creative and expository writing.

ELL: ELL 4 WRITING AND LITERATURE – JUNIOR

Grades 8-9

This course focuses on helping students further develop vocabulary and language skills that are necessary in the study of academic concepts in English. Emphasis is placed on developing and applying effective writing styles through extensive practice. A portion of classroom time may be dedicated to supporting students directly with their academic courses.

ELL: ELL 4 WRITING AND LITERATURE - SENIOR

Grades 10-12

This course focuses on helping students further develop vocabulary and language skills that are necessary in the study of academic concepts in English. Emphasis is placed on developing and applying effective writing styles through extensive practice. A portion of classroom time may be dedicated to supporting students directly with their academic courses.

HE: HOME ECONOMICS 8

This course is a part of the Applied Design, Skills, and Technology 8 rotation. The module of Home-Ec 8 will include Food Studies and Textiles. Within Food Studies, students will learn how to prepare food safely, develop their basic food preparation skills, and learn how to select and use tools and equipment for the various cooking principles used. In Textiles, students will learn how to sew by hand and by machine; students will work on about 2 to 3 projects in Textiles.

HE: FOOD STUDIES 9

Prerequisite: None

Love the Food Studies unit in Home Economics 8? Then get ready for a full year of culinary creativity in Food Studies 9! In this hands-on course, you'll build on your fundamental kitchen skills and dive into more advanced cooking and baking techniques. Explore dishes from around the world as you learn to plan, prepare, and present delicious meals. Past student favourites have included lasagna, butter chicken, sushi, pad thai, a variety of rice, pasta, meat, vegetarian, and soup creations—and that's just the start.

You'll also take on exciting baking projects such as gingerbread houses, cheesecakes, decorated cakes, and many other treats. Whether you're new to the kitchen or already a confident cook, this course offers something for everyone who is passionate about food.

HE: FOOD STUDIES 10

Recommended Prerequisite: Food Studies 9

Want to cook confidently for yourself—and impress others too? Curious to explore the delicious world of food? Love being creative in the kitchen?

If you answered yes to any of these, this course is the perfect place to continue your culinary adventure! Whether you're brand-new to cooking or already comfortable with a whisk and a frying pan, you're welcome here.
In this hands-on, flavour-filled course, your interests help shape what we make and learn. From experimenting with new ingredients to creating dishes inspired by global cuisines, you'll build practical skills, discover new favourites, and have plenty of fun along the way.

HE: FOOD STUDIES 11 /12

Calling all food enthusiasts—this is your invitation to level up your culinary skills!

In this course, you'll dive into the exciting world of cooking and baking using specialized tools, modern techniques, and ingredients from around the globe. Along the way, you'll explore personal eating habits, global food issues, and the diverse culinary traditions that shape what we eat. Whether you dream of creating impressive dishes in your free time or are considering a future in the food service industry, this course offers the perfect blend of creativity, skill-building, and hands-on experience. Past labs have included appetizers, soups, pastries, desserts, and both vegetarian and meat-based meals.

If you're passionate about food and eager to expand your culinary toolkit, come cook with us and discover what you can create!

HE: TEXTILES 9

Prerequisite: None

This course is designed for students who have just completed Home Economics 8. It covers the use of a sewing machine, the basic principles of clothing construction and simple pattern alterations, as well as the introduction to the serger. Students will sew several garments using easy to handle woven fabrics: pajamas, an unlined skirt or pants, a blouse, and a garment of their own choice.

HE: TEXTILES 10

Prerequisite: None
This course is designed for students with little or no sewing background and is available to students in grades 10 through 12. It will satisfy the Applied Skills requirement of the Graduation Program. Textiles 10 covers the use of a sewing machine, the basic principles of clothing construction and simple pattern alterations as well as the introduction to the serger. The students will sew several garments using easy to handle woven fabrics: pajamas, an unlined skirt or pants, a blouse, and a garment of their own choice.

HE: TEXTILES 11

Textiles 11 is for students who want to develop their individual expression in clothing selection, and covers advanced principles of pattern alterations and clothing construction. The students work toward a coordinated wardrobe by constructing garments and accessories of a complex and challenging level. They will gain more confidence in using the serger as well as the conventional sewing machine. Some of the projects for this year will include: a lined skirt or pants, an unlined jacket, and a garment of their own choice. Basic supplies will be provided to students in order to meet the learning outcomes of all courses. Textiles 11 counts is an Applied Skills course for graduation credit.

HE: TEXTILES 12

Textiles 12 is designed for those students who would like to gain further knowledge and skills relating to clothing and textiles. The students are expected to use advanced techniques and technologies to produce textile items. This is a project-oriented course enables the students to create garments of their choice based on prescribed learning outcomes. Some of the projects for this year will include: a tailored jacket, evening wear, and a garment of their choice.

HE: FAMILIES & SOCIETY 10

This course is designed to provide students with the knowledge, skills and attitudes that will assist them in understanding what is Family. This course will cover societal influences and impacts on families and family dynamics, interpersonal relationships in families and roles and responsibilities of family members.

This course integrates several methods of learning such as interactive presentations, guest speakers, community service, etc.

HE: INTERPERSONAL & FAMILY RELATIONSHIPS 11

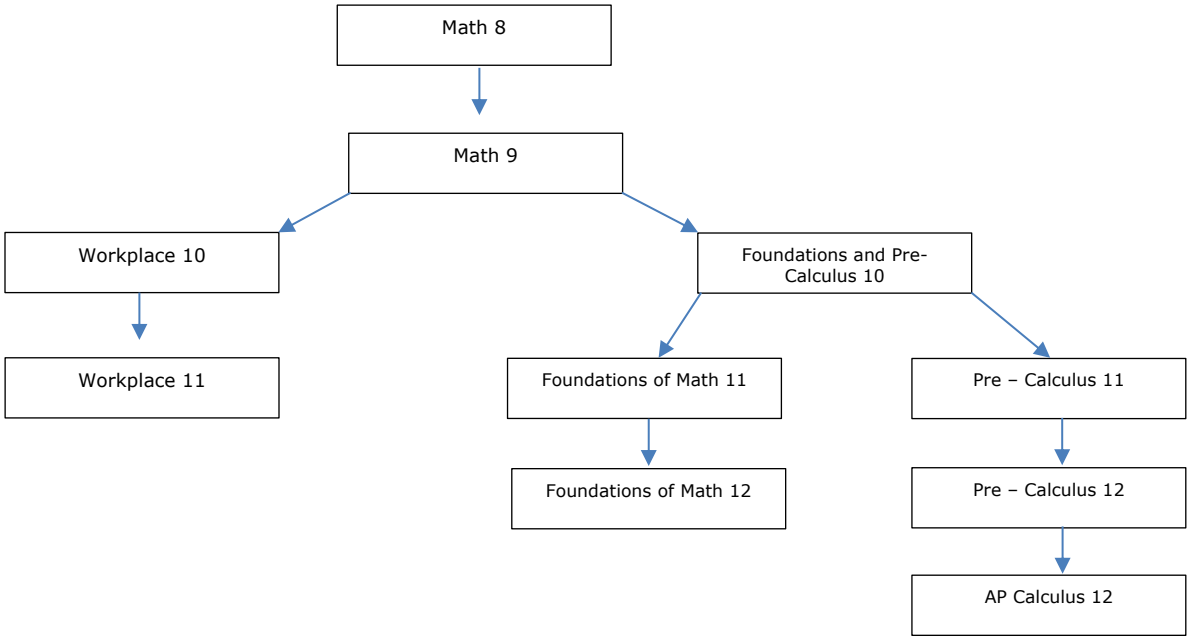
This course is designed to provide students with the knowledge, skills and attitudes that will assist them in making informed decisions related to family and interpersonal relationship. The topics covered in this course include: communication styles and strategies, indicators of readiness for a committed relationship, marriage and commitment customs and how they are influenced by culture.

This course integrates several methods of learning such as interactive presentations, guest speakers, community service, etc.

HE: CHILD DEVELOPMENT & CAREGIVING 12

This course is designed to provide students with the knowledge, skills, and attitudes that will assist them in making informed decisions related to parenting. Topics covered in this course include pregnancy and childbirth, child development and parenting.

This course integrates several methods of learning such as interactive presentations, guest speakers, community service, etc.



Students may take more than one pathway if there are mathematical topics which interest them or they are not sure about.

What are the Pathways?

Workplace Mathematics
This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary studies with a focus on the majority of trades and for direct entry into the workforce. Topics include measurement, geometry, finance, algebra, rates of change, trigonometry, statistics and probability.

Foundations of Mathematics
This 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 measurement, geometry, logical reasoning, quadratic, sinusoidal, exponential and logarithmic relations and functions, statistics, probability and financial literacy.

Pre-Calculus
This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus. Topics include quadratic, polynomial, radical, rational, trigonometric, exponential and logarithmic functions and equations, sequences and series, and financial literacy.

GOALS OF PATHWAY: When choosing a pathway, students could consider their interests, both current and future. Students, parents and educators are encouraged to research the admission requirement for post-secondary programs of study as they vary by institution and by year. Each Pathway is designed to provide students with the mathematical understandings, rigor and critical-thinking skills that have been identified for specific post-secondary programs of study.

MA: MATHEMATICS 8

The purpose of Math 8 is to expose students to many new aspects of the subject while reviewing and improving their arithmetic skills. The big ideas of this course are to enable students to understand that:

- Numbers represent, describe, and compare the quantities of ratios, rates, and percents.
- Computational fluency and flexibility extend to operations with fractions.
- Discrete linear relationships can be represented in many connected ways and used to identify and make generalizations.
- The relationship between surface area and volume of 3D objects can be used to describe, measure, and compare spatial relationships.
- Analyzing data by determining averages is one way to make sense of large data sets and enables us to compare and interpret.

Throughout the course, students will be given opportunities to develop reasoning, analyzing, understanding, solving, communicating, representing, connecting and reflecting skills while learning the content in the following areas: integers, operations with fractions, rates & ratios, square roots and Pythagorean Theorem, linear equations and functions, surface area & volume and financial literacy involving best buys.

MA: MATHEMATICS 9

Prerequisite: Mathematics 8

The purpose and big ideas of this course are to enable students to understand that:

- The principles and process underlying operations with numbers apply equally to algebraic situations and can be described and analyzed.
- Computational fluency and flexibility with numbers extend to operations with rational numbers.
- Continuous linear relationships can be identified and represented in many connected ways to identify regularities and make generalizations.
- Similar shapes have proportional relationships that can be described, measured and compared.
- Analyzing the validity, reliability and representation of data enables us to compare and interpret.

Throughout the course, students will be given opportunities to develop reasoning, analyzing, understanding, solving, communicating, representing, connecting and reflecting skills. This course extends some of the topics started the previous year such as rational numbers, two-variable linear relations, and solving linear equations and related word problems. New curricular content includes exponents, polynomials, factoring variable expressions, proportional reasoning involving scale diagrams, statistics in society and basic finance skills.

MA: FOUNDATIONS & PRE-CALCULUS 10

Prerequisite: Mathematics 9

The purpose and big ideas of this course are to enable students to understand that:

- Algebra allows us to generalize relationship through abstract thinking.
- The meaning of, and connections between, each operation extend to powers and polynomials.
- Constant rate of change is an essential attribute of linear relations and has meaning in different representations and contexts.
- Trigonometry involves using proportional reasoning to solve indirect measurement problems.
- Representing and analyzing situations allows us to notice and wonder about relationships.

This course is designed for students who are planning to carry on in either the Foundations pathway or the Pre-Calculus pathway in Grade 11. This is a challenging course that builds on the topics covered in Mathematics 9, while also introducing new topics in algebra such as powers, functions and relations, linear functions, systems of linear equations, multiplying and factoring polynomials and arithmetic sequences. Additional topics include trigonometry and financial literacy.

MA: WORKPLACE MATH 10

Prerequisite: Mathematics 9

This course is designed to provide students with the mathematical knowledge identified for entry into a majority of the trades or direct entry into the workforce. Topics include measurements in both metric and imperial systems, surface area and volume, trigonometry, graphing, central tendency, experimental probability and financial literacy. The arithmetical operations are reinforced with work on proportions, conversions and finance. Formulas are used to apply knowledge in familiar situations. Placement in this course can only take place after consultation with the teacher, student, parent and counsellor.

MA: PRE-CALCULUS 11

Prerequisite: C+ or higher in Foundations of Mathematics and Pre-Calculus 10 is strongly recommended.

This course is designed for students who are planning to continue their education at a post-secondary institution requiring the study of theoretical calculus (i.e. Science, Engineering, Computer Science, and Commerce). This is a challenging course that builds on the topics covered in Foundations of Mathematics and Pre-Calculus 10, while also introducing new topics in algebra such as rational powers, radical, rational and quadratic functions and equations, and inequalities. Additional topics include trigonometry and financial literacy. Students may take this course along with Foundation of Mathematics 11 for a well-rounded math education preparing them for Foundations of Mathematics 12 or Pre-Calculus 12.

MA: FOUNDATIONS OF MATH 11

Prerequisite: Foundations of Mathematics and Pre-Calculus 10

This course is designed to provide students with a mathematical knowledge required for direct entry into post-secondary studies in the areas of Humanities. Topics include mathematical reasoning, angle relationships, graphical analysis of linear inequalities, quadratic functions, systems of equations and optimization, applications of statistics, scale models and financial literacy.

MA: WORKPLACE MATH 11

Prerequisite: Workplace Mathematics 10 or Foundations of Mathematics and Pre-Calculus 10

This course is a continuation of Workplace Mathematics 10 and is designed to provide students with the mathematical knowledge identified for entry into a majority of the trades or direct entry into the workforce. Topics include rate of change, graphing, creating and interpreting 3D objects, probability and statistics. There is also a large component designated to financial literacy, particularly to banking services, personal investments and loans and budgeting. The concepts will be reinforced through problems that reflect how math is used in our daily lives. Consent from teacher, student, parent and counsellor is required.

MA: FOUNDATIONS OF MATH 12

Prerequisite: Foundations of Math 11 or Pre-Calculus 11

This course is designed to provide students with a mathematical knowledge required for direct entry into post-secondary studies in the areas of Humanities and other faculties that do not require theoretical calculus. Topics include geometric explorations in constructions, conics and fractals, graphical representations of polynomial, exponential, logarithmic, and sinusoidal functions, regression analysis, combinatorics, probability, and financial planning.

MA: PRE-CALCULUS 12

Prerequisite: C+ or higher in Pre-Calculus 11 is recommended.

This course is designed for students who are planning to continue their education at a post-secondary institution requiring the study of theoretical calculus (i.e. Science, Engineering, Computer Science, and Commerce). This is a challenging course that uses the topics covered in Pre-Calculus 11 to learn new concepts that require abstract thinking. Topics include: transformations of functions, polynomial equations, trigonometric functions and equations, exponential functions, logarithmic functions and geometric sequences. Students may take this course along with Foundation of Mathematics 12 for a well-rounded math education.

MA: AP CALCULUS 12

Prerequisites:
1) 75% or higher in Pre-Calculus 11 or Pre-Calculus 12 (Pre-Calculus 12 must be taken concurrently, if not already completed.)
2) Recommendation of teacher

This course is designed for academically motivated and positive students who are intending to study calculus at the university or college level or have a very keen interest in mathematics. Topics covered include: limits, differentiation, applications of derivatives, curve sketching, integration, area and volume. This course will cover material equivalent to a student's first semester of university calculus (i.e. UBC Math 100 or SFU Math 151). Applications and problem solving will be emphasized throughout the course.

ML: FRENCH 8

French 8 focuses on basic French language skills to help students become more comfortable using the language in fun and practical ways. Emphasis is on building their communication and comprehension skills through speaking, listening, writing and reading. Students will learn to ask and answer a variety of questions about familiar topics, describe people and personal interests, explain reasons for physical/emotional states, express basic beliefs and opinions, and recognize the relationship between French letter patters and pronunciation. Students will practice these skills through daily speaking and writing activities, songs, games, skits, videos/movies, Communi-Quête 1 (textbook), the Cahier Interactif and Duolingo

ML: FRENCH 9

Prerequisite: French 8

French 9 continues to build on the language skills from Grade 8 to help students become more comfortable using the language in fun and practical ways. Emphasis is on continuing to build their communication and comprehension skills through speaking, listening, writing and reading. Students will learn to use past, present and future time frames to engage in conversation about familiar topics, ask various types of questions, describe items, people, places and personal interests, compare and contrast, sequence events, express needs and opinions, and apply appropriate pronunciation and intonation in their speech. Students will practice these skills through daily speaking and writing activities, songs, games, skits, videos/movies, Communi-Quête 2 (textbook), the Cahier Interactif, Duolingo and a novel study. Students will also engage with the Francophone community through a Penpal project. Each unit will conclude with a project in which students demonstrate their learning in creative and practical ways.

ML: FRENCH 10

Prerequisite: French 9

French 10 continues to build on the language skills from Grade 9 to help students become comfortable using the language in practical ways. Emphasis is on increasing fluency through speaking, listening, writing and reading. Students will continue to use past, present and future time frames to engage in conversation about familiar topics, narrate stories (both orally and in writing), ask various types of questions, sequence events, express degrees of likes and dislikes, describe their hopes and dreams, express their opinions about familiar topics, use idiomatic expressions, and express themselves with increasingly fluent speech and accurate pronunciation. Students will practice these skills through daily speaking and writing activities, songs, games, skits, videos/movies, Communi-Quête 3 (textbook), Duolingo and a novel study. Students will also engage with the Francophone community through a Penpal project. Each unit will conclude with a project in which students demonstrate their learning in creative ways.

ML: FRENCH 11

Prerequisite: French 10

French 11/12 (taught as a combined course) emphasizes more fluent and accurate communication and comprehension through speaking, listening, writing and reading. Students will use a wide variety of past, present, future and conditional tenses to engage in meaningful conversations on a variety of topics of interest, narrate stories (both orally and in writing), respond personally to texts, ask various types of questions, sequence events, make predictions, state and compare opinions, use idiomatic expressions, and explore personal, educational and professional opportunities requiring proficiency in French. Students will practice these skills through daily speaking and writing activities, poetry, music, videos/movies, games, skits, Duolingo and two novel studies. Students will also engage with the Francophone community through Penpal letters and a collaborative project with EFI students from Mitchell. Each unit will conclude with a project in which students demonstrate their learning in creative ways.

ML: FRENCH 12

Prerequisite: French 11

French 11/12 (taught as a combined course) emphasizes more fluent and accurate communication and comprehension through speaking, listening, writing and reading. Students will use a wide variety of past, present, future and conditional tenses to engage in meaningful conversations on a variety of topics of interest, narrate stories (both orally and in writing), respond personally to texts, ask various types of questions, sequence events, make predictions, state and compare opinions, use idiomatic expressions, and explore personal, educational and professional opportunities requiring proficiency in French. Students will practice these skills through daily speaking and writing activities, poetry, music, videos/movies, games, skits, Duolingo and two novel studies. Students will also engage with the Francophone community through Penpal letters and a collaborative project with EFI students from Mitchell. Each unit will conclude with a project in which students demonstrate their learning in creative ways.

ML: SPANISH 9

Prerequisite: None

This is an introductory course with an emphasis on speaking and listening. You will not only learn how to communicate in Spanish in basic situations, but also about the cultures of many Spanish-speaking countries. The program has additional online resources that help students practice the Spanish they learn in class in a fun way. After completing this course, you will be able to carry on simple conversations such as exchanging personal information, discussing interests, making plans, describing characteristics, and ordering food in restaurants.

ML: SPANISH 10

Prerequisite: Spanish 9

This course continues to build upon Spanish 9. Listening and speaking will still be emphasized, but there will be more focus on writing proficiency and grammatical accuracy. You will learn more about the cultures of various Spanish countries through music, movies, readings, videos, and discussions. In this course, you will become confident in various situations such as shopping for clothing, discussing your daily routine, and describing your family and friends.

ML: SPANISH 11

Prerequisite: Spanish 10

This course is taught as a combined class (Spanish 11/12) with alternating curriculums. Students will continue to build upon their knowledge of Spanish and use it in increasingly complex situations. Students will improve their oral communication through conversations, interviews, songs, and role-playing. Written fluency will also be developed. Upon completion, students will be able to communicate in a variety of situations they might encounter in a Spanish-speaking country.

ML: SPANISH 12

Prerequisite: Spanish 11

This course is taught as a combined class (Spanish 11/12) with alternating curriculums. This course continues to increase fluency and accuracy in Spanish. Classes will require active participation in a communicative environment with regular opportunities to practice all language skills (reading, writing, listening, speaking). Students will also gain a deeper understanding of social issues and movements that have had an impact in the Hispanic world. After completing Spanish 12, students should feel comfortable travelling to Spanish-speaking countries and interacting with native speakers.

MU: INSTRUMENTAL MUSIC 8 - BAND

Prerequisite: One year of music recommended, not required

All students interested in playing a band instrument are welcome to take this course. While previous band experience is recommended (i.e. playing in at least one year of elementary band), it is not required. The band plays a wide range of genres, from traditional band pieces to jazz, pop, and movie themes. Students will develop their technique, tone, music theory, ensemble awareness and ear training. Band members are expected to perform at a superior level at all concerts and festivals. Students must strive each year to increase their skill and proficiency with their instruments. This progress will be achieved within a highly focused rehearsal atmosphere in a supportive ensemble setting. This group performs at the school and in the community throughout the year.

MU: INSTRUMENTAL MUSIC 9 - BAND

Prerequisite: One year of music recommended, not required

All students interested in playing a band instrument are welcome to take this course. While previous band experience is recommended (i.e. playing in at least one year of elementary band), it is not required. The band plays a wide range of genres, from traditional band pieces to jazz, pop, and movie themes. Students will develop their technique, tone, music theory, ensemble awareness and ear training. Band members are expected to perform at a superior level at all concerts and festivals. Students must strive each year to increase their skill and proficiency with their instruments. This progress will be achieved within a highly focused rehearsal atmosphere in a supportive ensemble setting. This group performs at the school and in the community throughout the year.

MU: INSTRUMENTAL MUSIC 10 - BAND

Prerequisite: One year of music recommended, not required

All students interested in playing a band instrument are welcome to take this course. While previous band experience is recommended (i.e. playing in at least one year of elementary band), it is not required. The band plays a wide range of genres, from traditional band pieces to jazz, pop, and movie themes. Students will develop their technique, tone, music theory, ensemble awareness and ear training. Band members are expected to perform at a superior level at all concerts and festivals. Students must strive each year to increase their skill and proficiency with their instruments. This progress will be achieved within a highly focused rehearsal atmosphere in a supportive ensemble setting. This group performs at the school and in the community throughout the year. Travel for performance and festival attendance is an essential and required part of the music curriculum.

MU: INSTRUMENTAL MUSIC 11 - CONCERT BAND

Prerequisite: One year of music recommended, not required

All students interested in playing a band instrument are welcome to take this course. While previous band experience is recommended (i.e. playing in at least one year of elementary band), it is not required. The band plays a wide range of genres, from traditional band pieces to jazz, pop, and movie themes. Students will develop their technique, tone, music theory, ensemble awareness and ear training. Band members are expected to perform at a superior level at all concerts and festivals. Students must strive each year to increase their skill and proficiency with their instruments. This progress will be achieved within a highly focused rehearsal atmosphere in a supportive ensemble setting. This group performs at the school and in the community throughout the year. Travel for performances and festival attendance is an essential and required part of the music curriculum.

MU: INSTRUMENTAL MUSIC 12 - CONCERT BAND

Prerequisite: One year of music recommended, not required

All students interested in playing a band instrument are welcome to take this course. While previous band experience is recommended (i.e. playing in at least one year of elementary band), it is not required. The band plays a wide range of genres, from traditional band pieces to jazz, pop, and movie themes. Students will develop their technique, tone, music theory, ensemble awareness and ear training. Band members are expected to perform at a superior level at all concerts and festivals. Students must strive each year to increase their skill and proficiency with their instruments. This progress will be achieved within a highly focused rehearsal atmosphere in a supportive ensemble setting. This group performs at the school and in the community throughout the year. Travel for performances and festival attendance is an essential and required part of the music curriculum.

MU: JAZZ BAND 8-12

Prerequisite: students who would like to be in Jazz Band must be enrolled in either concert band 8,9,10,11,12

Jazz Ensemble provides a unique experience to explore a music genre influenced by music styles from around the world. Through study in Jazz band, students will be able to explore jazz improvisation and complex music concepts through genres like Jazz, Rock, Funk, Blues, and Latin. Focus will be on developing jazz rhythms, jazz harmonies, special articulations, transcription and development of small ensembles. Students must strive each year to increase their skill and proficiency with their instruments. This progress will be achieved within a highly focused rehearsal atmosphere in a supportive ensemble setting. This group performs at the school and in the community throughout the year. Travel for performance and festival attendance is an essential and required part of the Jazz curriculum.

Jazz Band classes take place outside the timetable. Classes run Tuesday, Thursday, and every second Friday from 3:00 pm to 4:30 pm. This is a credited class. This class is taken in addition to a full time schedule.

MU: CHORAL MUSIC 8

Prerequisite: None

Anyone interested in choral singing is welcome to take this course. No musical experience is required. Students will learn to develop their vocal technique through vocal health practices, voice projection, music theory, and ear training. Choir is dedicated to creating music in a variety of styles and genres. Each member of the group is encouraged to perform in small vocal ensembles. Choir students will pursue musical excellence through the learning, understanding, and performance of quality repertoire and the sharing through performance. Students will be expected to perform in their community and at events. Travel for performances and festival attendance is an essential and required part of the music curriculum.

MU: CHORAL MUSIC 9

Prerequisite: None

Anyone interested in choral singing is welcome to take this course. No musical experience is required. Students will learn to develop their vocal technique through vocal health practices, voice projection, music theory, and ear training. The choir is dedicated to creating music in a variety of styles and genres. Each member of the group is encouraged to perform in small vocal ensembles. Choir students will pursue musical excellence through the learning, understanding, and performance of a quality repertoire and the sharing of that repertoire through performance. Students will be expected to perform in their community and at events. Travel for performances and festival attendance is an essential and required part of the music curriculum.

MU: CHORAL MUSIC 10

Prerequisite: None

Anyone interested in choral singing is welcome to take this course. No musical experience is required. Students will learn to develop their vocal technique through vocal health practices, voice projection, music theory, and ear training. The choir is dedicated to creating music in a variety of styles and genres. Each member of the group is encouraged to perform in small vocal ensembles. Choir students will pursue musical excellence through the learning, understanding, and performance of a quality repertoire and the sharing of that repertoire through performance. Students will be expected to perform in their community and at events.
Travel for performances and festival attendance is an essential and required part of the music curriculum.

MU: CHORAL MUSIC 11

Prerequisite: None

Anyone interested in choral singing is welcome to take this course. No musical experience is required. Students will learn to develop their vocal technique through vocal health practices, voice projection, music theory, and ear training. The choir is dedicated to creating music in a variety of styles and genres. Each member of the group is encouraged to perform in small vocal ensembles. Choir students will pursue musical excellence through learning, understanding, and performing a quality repertoire and sharing that repertoire through performance. Students will be expected to perform in their community and at events. Travel for performances and festival attendance is an essential and required part of the music curriculum.
Sing in this choir. Sing on with us!

MU: CHORAL MUSIC 12

Prerequisite: None

Anyone interested in choral singing is welcome to take this course. No musical experience is required. Students will learn to develop their vocal technique through vocal health practices, voice projection, music theory, and ear training. The choir is dedicated to creating music in a variety of styles and genres. Each member of the group is encouraged to perform in small vocal ensembles. Choir students will pursue musical excellence through learning, understanding, and performing a quality repertoire and sharing that repertoire through performance. Students will be expected to perform in their community and at events. Travel for performances and festival attendance is an essential and required part of the music curriculum.

MU: INSTRUMENTAL MUSIC 8 - GUITAR

Prerequisite: None

This course is for students who have little or no experience on guitar. Students will develop skills such as finger picking, strumming, and chord forms. Students will also develop an understanding of music theory through playing rhythm, melodies, and chords. Students will be encouraged to improvise, compose, and perform solos or in small groups. Come learn to make and share your music with us!

MU: INSTRUMENTAL MUSIC 9 - GUITAR

Prerequisite: None

This course is for students who have little or no experience on guitar. Students will develop skills such as finger picking, strumming, and chord forms. Students will also develop an understanding of music theory through playing rhythm, melodies, and chords. Students will be encouraged to improvise, compose, and perform solos or in small groups. Come learn to make and share your music with us!

MU: CONTEMPORARY MUSIC 10

Prerequisite: None

This course is for students who have an interest in learning and performing popular music on guitar, bass, drums, keyboards, and vocals. Students will get to learn fundamental skills on each of these instruments as well as an understanding of music theory and its applications in popular music. There will be opportunities to perform for each other, learn to cover songs, and even write our own songs. Come join us and make some music!

MU: CONTEMPORARY MUSIC 11

Prerequisite: None

This course is for students who have an interest in learning and performing popular music on guitar, bass, drums, keyboards, and vocals. Students will get to learn fundamental skills on each of these instruments as well as an understanding of music theory and its applications in popular music. There will be opportunities to perform for each other, learn to cover songs, and even write our own songs. Come join us and make some music!

MU: CONTEMPORARY MUSIC 12

This course is for students who have an interest in learning and performing popular music on guitar, bass, drums, keyboards, and vocals. Students will get to learn fundamental skills on each of these instruments as well as an understanding of music theory and its applications in popular music. There will be opportunities to perform for each other, learn to cover songs, and even write our own songs. Come join us and make some music!

PE: PHYSICAL & HEALTH EDUCATION 8

The goal of this course is to develop the knowledge, understanding, and skills necessary to maintain a healthy lifestyle by remaining physically active throughout life. By providing opportunities for students to participate in a variety of movement categories, it is hoped that students will discover activities that they will enjoy into adulthood. Students will learn skills, rules, strategies, and etiquette for various games as well as appropriate social behaviors for working in team situations. In addition, students will learn about making healthy choices, building healthy relationships, stress, nutrition and advocating for the health and well-being of others.

PE: PHYSICAL & HEALTH EDUCATION 8 PATHWAYS

Students will follow the same core curriculum as PHE 8. However, students will have enriched opportunities such as field trips and special projects to further explore curricular areas of interest.

PE: PHYSICAL & HEALTH EDUCATION 9

The goal of this course is to develop the knowledge, understanding, and skills necessary to maintain a healthy lifestyle by remaining physically active throughout life. By providing opportunities for students to participate in a variety of movement categories, it is hoped that students will discover activities that they will enjoy into adulthood. Students will learn skills, rules, strategies, and etiquette for various games as well as appropriate social behaviors for working in team situations. In addition, students will learn about making healthy choices, building healthy relationships, mental health, analyzing sources of health information, and advocating for the health and well-being of others.

PE: PHYSICAL & HEALTH EDUCATION 9 PATHWAYS

Prerequisite: Current member of the Grade 9 cohort of the Pathways Program

Students will follow the same core curriculum as PHE 9. However, students will have enriched opportunities such as field trips and special projects to further explore curricular areas of interest.

PE: PHYSICAL & HEALTH EDUCATION 10

The goal of this course is to develop the knowledge, understanding, and skills necessary to maintain a healthy lifestyle by remaining physically active throughout life. By providing opportunities for students to participate in a variety of movement categories, it is hoped that students will discover activities they will enjoy into adulthood. Students will learn skills, rules, strategies, and etiquette for various games as well as appropriate social behaviours for working in team situations. Students will learn how to set personal healthy living goals and plan how to achieve them while reflecting on their progress. In addition, students will learn about making healthy choices, building healthy relationships, mental health, analyzing sources of health information, and advocating for the health and well-being of others.

PE: PHYSICAL & HEALTH EDUCATION 10 PATHWAYS

Prerequisite: Current member of the Grade 10 cohort of the Pathways Program

Students will follow the same core curriculum as PHE 10. However, students will have enriched opportunities such as field trips and special projects to further explore curricular areas of interest.

PE: PHE 11 ACTIVE LIVING

Prerequisite: PHE 10

PHE 11 – Active Living emphasizes the preparation for an active and healthy lifestyle after students leave school. The program features a variety of individual/dual activities, team sports, recreational, and leisure activities. Students will learn ways to monitor their personal exertion levels in sport and activities, understand the benefits of participation in activity for their personal health and mental well being and examine the short and long term consequences of health decisions. The class selects and plans units and field trips. Field trips are optional activities that enhance and extend the learning outcomes of the course.
Students choosing to participate in the field trip experiences will be required to pay for these activities.

PE: PHE 12 ACTIVE LIVING

Prerequisite: PHE 10

PHE 12 – Active Living is an extension of the PHE 11 Active Living program. It will include: individual/dual activities, team games, recreational, and leisure activities. Students will also examine the potential consequences of making healthy decisions, creating healthy relationships and making healthy eating choices which they can successfully achieve once they leave high school. Field trips are optional activities that enhance and extend the learning outcomes of the course. Students choosing to participate in the field trip experiences will be required to pay for these activities.

PE: FEM FIT 11

Prerequisite: PHE 10

The focus of this course is on fun and fitness; this is a course designed by females for females. This course is made up of various activities involving team and individual games, fitness, circuit training, bootcamp, core training, dance, spinning, cardio kickbox, pilates, self-defense, etc. The use of our community recreation facilities and outside fieldtrips enhances and extends the learning outcomes of the course. Students are required to pay a course fee to cover the cost of field experiences and guest instructors.

PE: FEM FIT 12

Prerequisite: PHE 10

The focus of this course is on fun and fitness; this is a course designed by females for females. This course is made up of various activities involving team and individual games, fitness, circuit training, bootcamp, core training, dance, spinning, cardio kickbox, pilates, self-defense, etc. The use of our community recreation facilities and outside fieldtrips enhances and extends the learning outcomes of the course. Students are required to pay a course fee to cover the cost of field experiences and guest instructors.

PE: FITNESS & CONDITIONING 11

Prerequisite: PHE 10

This course will provide opportunities for students to gain the knowledge and skills to become their own personal trainer. Such skills will include:

- Understanding and explaining the components of fitness
- Assessing personal fitness
- Learning and using different training techniques
- Assessing and regulating heart rate during exercise
- Associating specific muscles with fitness exercises
- Creating and implementing a personalized fitness program

Students will experience a variety of fitness options that they may continue to use after high school to remain fit and healthy. The focus of this course is on individual fitness – Students should show a passion and willingness to work hard in this course. Field trips are optional activities that enhance and extend the learning outcomes of the course. Students choosing to participate in field trip experiences will be required to pay for these activities.

PE: FITNESS & CONDITIONING 12

Prerequisite: PHE 10 and/or PHE 11 ACTIVE LIVING

This course will provide opportunities for students to gain the knowledge and skills to become their own personal trainer. Such skills will include:

- Understanding and explaining the components of fitness
- Assessing personal fitness
- Learning and using different training techniques
- Assessing and regulating heart rate during exercise
- Associating specific muscles with fitness exercises
- Creating and implementing a personalized fitness program

Students will experience a variety of fitness options that they may continue to use after high school to remain fit and healthy. The focus of this course is on individual fitness – Students should show a passion and willingness to work hard in this course. Field trips are optional activities that enhance and extend the learning outcomes of the course. Students choosing to participate in field trip experiences will be required to pay for these activities.

PE: REC LEADERSHIP 11

Prerequisite: PHE 10 and a course application

Recreation Leadership 11 is a course designed to provide highly motivated students with an opportunity to enhance their leadership and organizational skills while working within the Athletics Program at Cambie. Students will explore leadership skills and strategies in a collaborative setting and they will be given practical opportunities to develop, apply, and enhance these skills. Students will also gain officiating sessions that will prepare them to assure roles as sport coaches and sport officials for our school teams. Students will be expected to act as tournament coordinators, intramurals coordinators, sport officials, and team managers. This will require students to have a high degree of self-motivation, as a great deal of the course work will be in self-directed activities. Volunteer hours in the school will be required. Field experiences will be organized for students enrolled in this course as a reward for their efforts throughout the school year.
Students must apply for this Recreation Leadership course prior to being accepted. Leadership camp, field trips, and "Rec Games" are just a few of the fun events that Recreation Leadership students will experience throughout the year. Students also have the opportunity to earn Work Experience credit associated with this course. If you are looking for a course that will transform your high school experience, then talk to your counsellors and Mr. Meier and complete the online application form.

PE: REC LEADERSHIP 12

Prerequisite: PHE 10 and a course application

Recreation Leadership 12 is a course designed to provide highly motivated students with an opportunity to enhance their leadership and organizational skills. This course follows a natural progression from the Rec Leadership 11 course, but does not require this as a prerequisite. Students in this program will have the opportunity to develop, plan, and implements programs and activities for Cambie students. Students in Rec 12 will also learn to see beyond themselves and experience the true meaning of giving as they coordinate programs for less fortunate individuals - such as the Wake-a-thon. Students will leave this course equipped with many of the skills and tools that are essential to success in their future endeavours. Leadership camp, field trips, and "Rec Games" are just a few of the fun events that Recreation Leadership students will experience throughout the year. Students also have the opportunity to earn Work Experience credit associated with this course. If you are looking for a course that will transform your high school experience, then talk to your counsellors and Mr. Meier and complete the online application form.

PE: WORK EXPERIENCE REC LEADERSHIP

Please see the Work Experience section of the Cambie Program Planning book.

LD: LEARNING STRATEGIES 8

Learning Strategies is a course designed to support students who could benefit from some extra help with their learning. Students will work with a resource teacher and a small group of peers to develop effective learning and organizational strategies. Instruction in this course is designed to target and strengthen each student's areas of need. Students are enrolled in this course on the recommendation of their Grade 7 teacher, in consultation with parents and Cambie's Resource Team.

LD: LEARNING STRATEGIES 9

Learning Strategies is a course designed to support students who could benefit from some extra help with their learning. Students will work with a resource teacher and a small group of peers to develop effective learning and organizational strategies. Instruction in this course is designed to target and strengthen each student's areas of need. Students are enrolled in this course if they have previously taken Learning Strategies or on the recommendation of the school team.

LD: LEARNING STRATEGIES 10

Learning Strategies is a course designed to support students who could benefit from some extra help with their learning. Students will work with a resource teacher and a small group of peers to develop effective learning and organizational strategies. Instruction in this course is designed to target and strengthen each student's areas of need. Students are enrolled in this course if they have previously taken Learning Strategies or on the recommendation of the school team. This is a 4 credit course on the graduation program.

LD: LEARNING STRATEGIES 11

Learning Strategies is a course designed to support students who could benefit from some extra help with their learning. Students will work with a resource teacher and a small group of peers to develop effective learning and organizational strategies. Instruction in this course is designed to target and strengthen each student's areas of need. Students are enrolled in this course if they have previously taken Learning Strategies or on the recommendation of the school team. This is a 4 credit course on the graduation program.

LD: LEARNING STRATEGIES 12

Learning Strategies is a course designed to support students who could benefit from some extra help with their learning. Students will work with a resource teacher and a small group of peers to develop effective learning and organizational strategies. Instruction in this course is designed to target and strengthen each student's areas of need. Students are enrolled in this course if they have previously taken Learning Strategies or on the recommendation of the school team.

LD: LEARNING STRATEGIES NUMERACY

This course is for students who require individualized support and skill development in math. Students are selected by the School-Based Team in consultation with parents.

LD: LIFE SKILLS

Life Skills is for students on the School Completion Certificate program. Candidates are selected by Cambie's School-Based Team in consultation with parents. Students usually sign up for 1 to 3 blocks of Life Skills. Literacy and Numeracy are included within the Life Skills program. Projects and field trips are part of this course.

SC: SCIENCE 8

Science 8 is a general science course that teaches scientific literacy, lab skills and scientific inquiry methods that enables students to predict, analyze and communicate information. The big ideas explored in this course include: (Biology) the cell is the basic unit of life; (Chemistry) the behaviour of matter is explained by understanding the Kinetic Molecular Theory; (Earth Science) Earth's geographical processes are explained by the Plate Tectonic Theory; and (Physics) Energy is transferred as both a particle and a wave. Classroom learning activities that teach to the big ideas are selected to provide student opportunities to develop competencies in communication and thinking skills as well as personal and social awareness and responsibility.

SC: SCIENCE 8 PATHWAYS

In addition to general science curriculum, Pathways students will have opportunities such as field trips, enriched lab work and projects to further explore areas of interest. At times, lessons will be condensed to create opportunities for enrichment.

SC: SCIENCE 9

Prerequisite: Science 8

Science 9 is a general science course that teaches scientific literacy, lab skills and scientific inquiry methods that enables students to predict, analyse and communicate information. The big ideas explored in this course include: (Biology) cells come from other cells; (Chemistry) the placement of electrons around atoms impacts atoms' properties; (Physics) current electricity is the flow of electric charge and (Earth Science) the living and non-living components on the Earth's surface are interconnected as matter is cycled throughout.
Classroom learning activities that teach to the big ideas are selected to provide student opportunities to develop competencies in communication and thinking skills as well as personal and social awareness and responsibility.

SC: SCIENCE 9 PATHWAYS

Prerequisite: Science 8

In addition to the general science curriculum, Pathways students will have opportunities such as field trips, enriched lab work and projects to further explore areas of interest. At times, lessons will be condensed to create opportunities for enrichment.

SC: SCIENCE 10

Prerequisite: Science 9

Science 10 is a general science course that teaches scientific literacy, lab skills and scientific inquiry methods that enables students to predict, analyze and communicate information. The big ideas explored in this course include: (Biology) Genes are the foundation for the diversity of all living things; (Chemistry) Chemical processes require energy and change as atoms rearrange; (Physics) Energy is conserved and its transformation can affect living things and the environment; (Space Science) the formation of the universe can be explained by the Big Bang Theory. Classroom learning activities are selected to provide student opportunities to develop competencies in communication and thinking skills as well as personal and social awareness and responsibility.

SC: SCIENCE 10 PATHWAYS

Prerequisite: Science 9

In addition to general science curriculum, Pathways students will have opportunities such as field trips, enriched lab work and projects to further explore areas of interest. At times, lessons will be condensed to create opportunities for enrichment.

SC: SCIENCE FOR CITIZENS 11

Science for Citizens has four goals:

GOAL 1: Science, technology, society, and the environment (STSE) – Students will develop an understanding of the relationships between science and technology, and of the social and environmental contexts of science and technology. Areas that we study are medical technologies (such as genetic screening, MRIs, plastic surgery, nano technologies), communications (how electronic devices have changed relationships, privacy, surveillance to name a few and identity theft), agriculture (factory farms, greenhouses, hydroponics, vertical farms), water management. The end of year project has students choosing areas of study to explore such as transportation, natural resources, renewable energies, structural design and applied chemistry.
GOAL 2: Skills – Students will develop the skills required for scientific and technological inquiry, solving problems, communicating scientific ideas and results, working collaboratively, and making informed decisions. For example, students will use an approach that allows them to explore claims made in all areas of life including miracle cures, UFOs, paranormal phenomena (horoscopes, ghosts, palm reading, psychics) and discoveries in science.
GOAL 3: Knowledge – Students will construct knowledge and understandings of concepts in Life Sciences, Physical Science, and Earth and Space Science, and apply these understandings to the areas of health, agriculture, forensics, computers and communication, home and technology, and personal technologies.
GOAL 4: Attitudes – Students will be encouraged to develop attitudes that support the responsible acquisition and application of scientific and technological knowledge to the mutual benefit of self, society, and the environment. Students will use a basic system of ethics (utilitarian, golden rule, and rule-based thinking) in order to support, inform and guide decisions they will make in areas where there is no one right answer.

SC: LIFE SCIENCE 11

Prerequisite: Science 10

Life Sciences 11 is a survey course that introduces students to a broad range of topics in biology. Students obtain a greater appreciation and understanding of the evolution and diversity of living things around them: their anatomy, life strategies, ecological role, and impact on humans. Students gain proficiency with lab skills (microscope, dissections) and study habits, preparing them for future studies in biology, healthcare, ecology, and more.

The course is divided into three major units:

- **Unit I: Evolution** – History of evolutionary theory, mechanisms of evolution, classification and naming of organisms
- **Unit II: Cell Biology** – Microscopy, viruses, cell structure, bacteria, and archaea
- **Unit III: Mycology** – Fungi
- **Unit IV: Botany** – Algae and plants
- **Unit V: Zoology** – Invertebrate animals

SC: CHEMISTRY 11

Chemistry 11 introduces students to the fundamental principles of chemistry and provides the foundation for senior science courses. Students study the structure of matter, including atomic theory, electron configuration, periodic trends, and chemical bonding. The course covers chemical nomenclature, formula writing, and the relationship between molecular structure and properties.

A major focus is the mole concept, where students learn to relate mass, amount, and number of particles. Students also explore chemical reactions, balancing equations, energy changes, and stoichiometry, including limiting reagents and percent yield. Solution chemistry is introduced through solubility, concentration, and ionic dissociation. The course concludes with an introduction to organic chemistry, emphasizing basic hydrocarbons and naming.

Throughout the course, students develop laboratory skills, analyze data, and communicate scientific ideas clearly and accurately. Chemistry 11 prepares students for Chemistry 12 and post-secondary science pathways.

SC: PHYSICS 11

Prerequisite: Science 10

Myth: Physics has little relevance to the world we live in or to most jobs.

Fact: Physics is the foundation of every other science and underpins nearly all major technological innovations of the past century—and the breakthroughs shaping our future. From the robotics that automate industries, to the electric vehicles transforming transportation, to the AI systems that rely on sensors, imaging, and processing rooted in physical principles, physics is everywhere. It also builds critical thinking and problem-solving skills that are valuable in any pathway a student chooses. Physics helps us understand the world around us, the world inside us, and the universe beyond. It stretches our imaginations with ideas like relativity and quantum theory and leads to innovations—from computers and smartphones to medical scanners and clean-energy technologies—that profoundly impact our daily lives.

Physics 11 is designed to showcase the power and relevance of physics by introducing students to a wide range of core topics. We will explore motion, forces, energy, electric circuits, and the behaviour of waves. Along the way, students will tackle realistic, meaningful problems that build their scientific literacy. Through this course, students will develop the analytical and quantitative skills essential for fields such as science, engineering, medicine, data science, economics, finance, management, law, public policy and for understanding the technology-driven world they live in.

SC: ANATOMY AND PHYSIOLOGY 12

Recommended Prerequisite: Life Sciences 11

Anatomy and Physiology 12 is an academic course that features a combination of biochemistry, cell biology, and human biology. The topics vary from DNA structure to osmosis, to kidney function. Cambie does several activities, demonstrations, and labs which help students understand the difficult concepts and help prepare our students for the experiments. We dissect pig lungs and heart to see the connections that are difficult to see on a diagram. The analysis and discussions that follow our group activities help students understand these complex concepts.

SC: CHEMISTRY 12

Prerequisite: Chemistry 11

Chemistry 12 is an advanced course that builds on Chemistry 11 and focuses on a deeper understanding of chemical processes and quantitative analysis. Students study reaction kinetics, learning how temperature, concentration, catalysts, and collision theory influence reaction rates. The course then examines chemical equilibrium, including equilibrium expressions, Le Châtelier's Principle, and applications to solubility equilibrium such as Ksp and precipitate formation.

A major component of Chemistry 12 is acid–base chemistry, covering the Brønsted–Lowry model, strong and weak acids, pH calculations, titrations, and buffer systems. Students also explore oxidation–reduction (redox) reactions, learning to assign oxidation numbers, balance redox equations, and understand electrochemical cells and their applications.

Laboratory investigations, data analysis, and scientific communication are emphasized throughout. Chemistry 12 is recommended for students
pursuing science-related post-secondary programs.

SC: PHYSICS 12

Prerequisite: Physics 11

Physics 12 is designed to be a natural extension to Physics 11; it is intended to provide insight into the scope, nature, relevance and limitations of Physics. We will revisit many topics covered in the previous course with added complexity. In additional, students will explore new topics such as circular motion, equilibrium and toque, electrostatics, electromagnetism and special relativity. They will further develop their scientific investigation skills, learning, for example, how to analyze, qualitatively and quantitatively, data related to a variety of physics concepts and principles. Students will also consider the impact of technological applications of physics on society and the environment.

Physics is a gateway to countless modern career paths. In today's world, choosing not to study physics can close doors to rapidly growing fields. You can't design electric vehicles, develop medical imaging technologies, build advanced robots, or contribute to cutting-edge AI systems without a strong understanding of physics. Without physics, video games would have unconvincing motion, animated films would lose their realism, and even data-driven decisions on issues like climate change would be less meaningful. Universities and industry leaders alike know the value of physics training. While fewer job postings may explicitly list "physicist," the range of careers that rely on physics skills, from engineering to tech research to clean energy development is broad, expanding, and consistently in high demand.

SS: SOCIAL STUDIES 8

The Social Studies 8 area of learning spans from the **7th century to 1750**. In this course, it is our hope that students learn more about themselves, each other, and the world we inhabit. The course involve**s Big Ideas** about power, ideas, and change. Students completing this course will be able to recognize how the ideas and stories of various societies left a mark on cultures and landscapes, and will be able to see how these same patterns are present and active in their own world. By studying some of the many different cultures and ways of life that exist and have existed throughout the world from the 7th century to 1750, students will develop not only a deeper understanding of the differences between peoples, but also an appreciation or aspects of the human experience shared across time and space.

SS : SOCIAL STUDIES 8 PATHWAYS

Students will follow the same core curriculum as Social Studies 8. However, students will have enriched opportunities such as field trips and special projects to further explore curricular areas of interest.

SS: SOCIAL STUDIES 9

Prerequisite: Social Studies 8

The Social Studies 9 area of learning spans from the years **1750 - 1919**. In this course, it is our hope that students learn more about themselves, each other, and the world we inhabit. In this course, we hope that students develop critical thinking skills and come to know how Canada has been influenced by the **Big Ideas** of environment, power, ideas, and identity. This would include developing an understanding of the connections between the past, present, and future, as well as, the people, events, and trends that have shaped the development and evolution of societies, especially our own. A complete understanding of Canada's past and present includes developing an understanding of the history and culture of Canada's First Peoples.

SS: SOCIAL STUDIES 9 PATHWAYS

Prerequisite: Social Studies 8

Students will follow the same core curriculum as Social Studies 9. However, students will have enriched opportunities such as field trips and special projects to further explore curricular areas of interest.

SS: SOCIAL STUDIES 10

Prerequisite: Social Studies 9

The focus of Social Studies 10 is **"Canada and the World"** from **1919 to the present**. It is our hope that students learn more about themselves, each other, and the world we inhabit. In this course, we hope that students develop critical thinking skills and come to know how Canada has been influenced by conflict, political decisions, ideology, changes in society, history and geography. Some of the **Big Ideas** include the following essential questions:

*Governmen***t: Why bother voting? What does active citizenship look like in Canadian politics**?

*Histo***ry: Is there a "Canadian" identity? What historical and contemporary injustices challenge the narrative and identity of Canada as an inclusive, multicultural societ**y?

Geo**graphy: Are we too big for our p**lanet? **Challenges Facing Canada & the Global Commu**nity.

Students completing Socials Studies 10 will have a sense of their own place in Canada's past and present, and their role in shaping the future.

SS: SOCIAL STUDIES 10 PATHWAYS

Prerequisite: Social Studies 9

Students will follow the same core curriculum as Social Studies 10. However, students will have enriched opportunities such as field trips and special projects to further explore curricular areas of interest.

SS: BC FIRST PEOPLES

Get ready for a journey into the vibrant cultures, histories, and stories of BC's Indigenous peoples! In BC First Peoples 12, you'll explore the impacts of past injustices, like residential schools, and discover how they shape today's efforts toward reconciliation! Guided by the BC First Peoples Principles of Learning, this course features hands-on projects, storytelling, and exciting field trips to culturally significant places. You'll connect with Indigenous perspectives on resilience, land, and identity, while uncovering how these teachings can inspire change. It's not just a class—it's an opportunity to understand the past, embrace the present, and help build a better future.

SS: SOCIAL JUSTICE

Social Justice 12 challenges you to explore the big issues shaping our world—inequality, discrimination, and human rights. Through engaging discussions, real-world case studies, and hands-on projects, you'll dive into topics like gender equity, poverty, environmental justice, and reconciliation with Indigenous peoples. This course is about more than just learning; it's about taking action and finding your voice as an advocate for positive change. By examining the systems that shape society and uncovering pathways for fairness and inclusion, you'll gain the tools to make a difference locally and globally. Get ready to think critically, speak boldly, and act for justice!

SS: LAW STUDIES

Law Studies 12 makes learning about the law engaging and practical! Step into the world of Canadian law to explore criminal cases, human rights issues, and the foundations of justice in our society. Through lively debates, mock trials, and discussions, you'll develop the skills to think critically and argue persuasively. Discover how the law impacts your daily life and learn about topics like civil law, criminal law, Indigenous law, and contemporary legal challenges. This course is perfect for students who want to understand the legal system and prepare for active, informed citizenship in an ever-changing world.

SS: GENOCIDE STUDIES

Genocide Studies 12 is a powerful and thought-provoking course that takes you through some of the darkest chapters of human history. You'll explore the causes, effects, and lasting impacts of genocides, including the Holocaust, the Rwandan Genocide, and others, while learning how these events have shaped the world today. Through historical analysis, survivor stories, and discussions, you'll gain a deep understanding of the human cost of hatred and intolerance. Learn about the warning signs of hate, the bravery of resistance, and the journey toward justice and reconciliation. This course encourages critical thinking, empathy, and action as you explore ways to prevent such tragedies in the future. It's a challenging but meaningful opportunity to understand the past and help shape a better world.

SS: 20TH CENTURY HISTORY

Step into the story of the 20th century, a time of revolutions, world wars, and incredible social change. In History 12, you'll uncover the events and people that shaped our modern world—like the rise of dictators, the fight for civil rights, and the innovations that transformed society. Explore key topics such as global conflicts, decolonization, and the Cold War, all while analyzing how these moments still impact us today. Through debates, projects, and primary sources, you'll develop critical thinking skills and a deeper understanding of the world. If you love exploring the past to make sense of the present, this course is for you!

CL: CAREER LIFE EDUCATION 11

The aim of Career Life Education 11 is to enable students to develop the skills they need to become self-directed individuals who set goals, make thoughtful decisions, and take responsibility for pursuing their goals throughout life. Students will plan for successful learning in the Graduation Program, explore a wide range of post-secondary education and career options, develop financial literacy related to pursuing their education and career goals, and begin planning for their transition beyond secondary school.

CL: CAREER LIFE EDUCATION 11 - online

The aim of Career Life Education 11 is to enable students to develop the skills they need to become self-directed individuals who set goals, make thoughtful decisions, and take responsibility for pursuing their goals throughout life. Students will plan for successful learning in the Graduation Program, explore a wide range of post-secondary education and career options, develop financial literacy related to pursuing their education and career goals, and begin planning for their transition beyond secondary school.

***This version of the course is offered on-line, delivered by a Cambie staff member, through the Richmond Virtual School.**

CL: CAREER LIFE CONNECTIONS (INCLUDING THE CAPSTONE)

Prerequisite: None

Career Life Connections is a 4-credit program required for Grade 12 Graduation. It is intended to assist students in making preparations so they have a successful transition to life after secondary school. As students at Cambie move through Grades 10– 12, they will further refine their understanding of the links between personal development and their career decisions. They consider regional and global trends to reflect on career possibilities, refine their understanding of safety requirements associated with occupational areas and related technologies, and further develop and refine their understanding of career possibilities through planning, practice, and application of competencies and knowledge. Curricular competencies for Career Life Connections and the Capstone Project will be developed through assignments, presentations, and student reflections during Cambie Conference Days through Grades 10 - 12.

CL: PEER TUTORING 12

Prerequisite: Good work habits. Excellent personal and social responsibility skills. Demonstrated maturity and thoughtfulness in working with staff and students in school. Potential students are required to complete an online application form for Peer Tutoring. Upon acceptance, your counsellor will help you to replace an elective with Peer Tutoring.

Objectives: During this course, tutors will develop: leadership skills, self-confidence and self-esteem; an understanding of the teaching and learning process. Students will act as positive role models in support of students, and provide support to teachers and students in their classrooms.

Instruction: Students are expected to be in full attendance in the classroom in which they are serving as a peer tutor. Finding a placement (teacher) to work with will be the responsibility of each student during the first week of September.

Evaluation: Your sponsor teacher will be supervising you in the classroom, monitoring your attendance, assigning you tasks to perform in class, and completing an evaluation checklist prior to each reporting period. Assignments to promote self-reflection about your growth in the role will be assigned.

PLEASE NOTE: Peer Tutoring is a Grade 12 course. Grade 11s may be considered if there is space. If you are in grade 11, and would like to take this course, please speak to your counsellor. You will be placed on a wait list for this course.

Introduction to Medical Science 11 and 12

This program will give students the theoretical background and practical experience necessary to pursue careers related to the Health Science field. Applications for the Medical Science program must but submitted online through the Cambie website by **Jan 30th, 2026.**

The Introduction to Medical Science Program provides students with opportunities to:

- Develop employment skills and gain practical experience in Health Science
- Explore potential career options
- Relate in-school curriculum to the workplace

Related Career Opportunities:
Registered Nurse, Physician, Physiotherapist, Recreation Therapist, Dentist, Fitness Trainer, Community Health Care, Occupational Therapist, Social Worker, Medial Lab Technician, Nutritionist, Veterinarian, First Aid Attendant, Massage Therapist, Pharmacist and Paramedicine.

INTRODUCTION TO MEDICAL SCIENCE 11

Prerequisite: None

The 'Introduction to Medical Science 11' curriculum enables students to complete their Canadian Red Cross Standard First Aid (SFA) 'CPR-C' HCP and First Responders (FR) Certifications, through a full year course.

The Canadian Red Cross First Responder Program provides our students with advanced first aid and pre-hospital care training. This curriculum is hands-on, challenging, and provocative. It is designed to give students knowledge, practical skills, and an opportunity to complete the program with professional certification(s). The professional certification(s) that the students receive enable them to volunteer their services as 'on site medical assistants' within our school, as well as at 'outside community events'.

Content:

- Anatomy, Physiology, and Pathophysiology
- Patient Assessment
- Airway Management and Respiratory Emergencies
- Circulatory Emergencies
- Shock
- Hemorrhage and Soft Tissue Trauma
- Musculoskeletal Injuries
- Head and Spinal Injuries

…

'CPR-C' HCP is required when applying to any post-secondary health care program (such as nursing, dentistry, etc). This course provides students with a competitive advantage when seeking to pursue professional training in medicine, or other health related programs.

The cost associated with this level of training (SFA, CPR-C, and FR) is significantly reduced, when compared to completing the same certifications at a post-secondary or specific training institution.

Course Fee: $375.00. Cost of the course covers the following items:

- Canadian Red Cross Manual
- Certifications
- Medical Supplies/Equipment
- Lab costs

Additional Required Course: Workplace Experience (WEX) 11

INTRODUCTION TO MEDICAL SCIENCE 12

Prerequisite: Introduction to Medical Science 11 OR Canadian Red Cross First Responder (FR) certification.

The 'Introduction to Medical Science 12' curriculum enables students to complete their Canadian Red Cross Emergency Medical Responder (EMR) Certification, through a full year course.

The Canadian Red Cross Emergency Medical Responder Program provides our students with the ability to learn and demonstrate all knowledge and skills required to provide appropriate patient assessments, interventions, and on-going care, including the transportation of a patient to a healthcare facility. Course content follows the National Occupational Competency Profiles (NOCP) as defined by the Paramedic Association of Canada. Participants will be engaged in dynamic training techniques including video, media presentations, skills demonstrations, practice sessions, discussions and scenarios based on real-life situations.

Content:

- The Professional Responder and responding to the call
- Infection prevention and control
- Anatomy and physiology
- Assessment
- Airway management and respiratory emergencies
- Chest, abdominal and pelvic injuries
- Head and Spinal Injuries
- etc

This course provides students with a competitive advantage when seeking to pursue professional training in medicine, or other health related programs. The cost associated with this level of training is significantly reduced, when compared to completing the same certifications at a post-secondary or specific training institution.

Course Fee: $375.00. Cost of the course covers the following items:

- Certifications
- Medical Supplies/Equipment
- Lab costs

***Please note: if student does not have their Emergency Care Manual from the previous year, an additional $125 will be charged.

Additional Required Course: Workplace Experience (WEX) 1

WORK EXPERIENCE INTRODUCTION TO MEDICAL SCIENCE 11/12

Work Experience is intended to help prepare students for the transition from secondary school to the world of work or further education and training. A major component of any WEX Program is community-based work/volunteer experience (4 credits). Students may choose a work experience placement from a wide variety of occupational fields based on their career goals and career focus area of interest. To receive course credit, students must complete at least 90 hours of on-the-job work/volunteer experience and 10- 30 hours of in-class learning activities. Students must also be under the supervision of a teacher, in addition to an employer who has agreed to work with the school in providing a realistic work experience.
WEX 12A/B includes the required workplace safety training a student must complete prior to the actual work experience placement.

The work experience component of a WEX Program will provide an opportunity for students to learn to assume responsibility, to gain knowledge and attitudes necessary for successful job performance, to acquire good work habits, to develop an understanding and appreciation of the relationship between formal education and job success, to learn how to work cooperatively with fellow workers, and to put into practice skills learned in school.

These courses are not intended as "instant credits" for students who have a part-time job. The time given to work experience may be within the timetable or outside of the timetable. Care will be taken to limit the loss of class time during work placements. After school, weekends, school professional development days, and possibly even holidays may be used for work experience. Work experience hours also enable students to fulfill graduation requirements for 30 hours of work or volunteer experience.

STY 12: ASSIGNED STUDY TIME

This block is for grade 12 students who demonstrate good social responsibility and have a demanding course load. Please consult with your counsellor.

TE: ELECTRONIC PUBLICATION (YEARBOOK) 10

Prerequisite: None
Note: This is a locally developed course.

Recommendation: student should have strong work habits and should be willing to work several hours after school on occasion. Students will acquire skills in desktop publishing and will produce the Cambie yearbook. They will be introduced in the use of Adobe InDesign and Photoshop for imaging on a Mac platform. Students will also develop the technical skills required to use a scanner and digital camera, the people skills required to collect information from the school community, and the creative skills required to design page layouts. Students will be expected to work as a team and to meet deadlines.

TE: ELECTRONIC PUBLICATION (YEARBOOK) 11

Prerequisite: None
Note: This is a locally developed course.

Recommendation: student should have strong work habits and should be willing to work several hours after school on occasion. Students will acquire skills in desktop publishing and will produce the Cambie yearbook. They will be introduced in the use of Adobe InDesign and Photoshop for imaging on a Mac platform. Students will also develop the technical skills required to use a scanner and digital camera, the people skills required to collect information from the school community, and the creative skills required to design page layouts. Students will be expected to work as a team and to meet deadlines.

TE: ELECTRONIC PUBLICATION (YEARBOOK) 12

Prerequisite: Electronic Publication (Yearbook) 11
Note: This is a locally developed course.

Recommendation: student should have strong work habits and should be willing to work several hours after school on occasion. Students will acquire skills in desktop publishing and will produce the Cambie yearbook. They will be introduced in the use of Adobe InDesign and Photoshop for imaging on a Mac platform. Students will also develop the technical skills required to use a scanner and digital camera, the people skills required to collect information from the school community, and the creative skills required to design page layouts. Students will be expected to work as a team and to meet deadlines.

TE: APPLIED DESIGN, SKILLS & TECHNOLOGIES 8

Students will work in a variety of areas to develop and use technology, develop plans and design products within their ability. They will also learn about technical requirements of various careers and safety in addition to learning about the use of different materials and their possible use in the future. Areas looked at will be in Electronics, Woodwork, Technology Design and Fabrication, and CAD.

TE: COMPUTER TECHNOLOGY 9

Prerequisite: None

Computer Technology is designed for students with little or no prior experience in coding. This course introduces students to computer programming using Python, with an emphasis on logical thinking, syntax, and problem-solving strategies. Students will examine how computers interpret and execute instructions, how programs are structured, and how to approach problems using a systematic, step-by-step process. Students will gain experience working with variables, conditionals, loops, functions, and basic data structures, as well as learn effective debugging and code refinement techniques. The course utilizes industry-standard tools including Python, Visual Studio Code, and Adobe Photoshop. Throughout the course, students will design and complete small programs, interactive projects, and practical applications.

TE: COMPUTER TECHNOLOGY 10

Prerequisite: None.

Computer Technology 10 is designed for both <u>NEW</u> and <u>RETURNING</u> Computer Technology students. Course "<u>level</u>" will be assigned by the instructor in September – based on previous Computer Technology experience.

<u>NEW Computer Technologies Students (Level 1)</u>

Computer Technology is designed for students with little or no prior experience in coding. This course introduces students to computer programming using Python, with an emphasis on logical thinking, syntax, and problem-solving strategies. Students will examine how computers interpret and execute instructions, how programs are structured, and how to approach problems using a systematic, step-by-step process. Students will gain experience working with variables, conditionals, loops, functions, and basic data structures, as well as learn effective debugging and code refinement techniques. The course utilizes industry-standard tools including Python, Visual Studio Code, and Adobe Photoshop. Throughout the course, students will design and complete small programs, interactive projects, and practical applications.

<u>SECOND YEAR Computer Technologies Students (Level 2)</u>

Computer Technology (Level 2) is designed for students who have completed an introductory coding course and are ready to further develop their programming skills. This course builds on foundational Python knowledge with a focus on advanced problem-solving, program design, and code efficiency. Students will deepen their understanding of data structures, including lists, dictionaries, and files, and will explore object-oriented programming concepts such as classes, objects, methods, and inheritance. Students will learn to design and manage larger programs by applying modular programming techniques, improving code readability, and using more advanced debugging and testing strategies. Additional topics include basic algorithms, data validation, file input/output, and introductory software design principles. Industry-standard tools such as Python and Visual Studio Code will continue to be used to support development and project work. Throughout the course, students will complete increasingly complex programs, collaborative projects, and real-world applications.

TE: COMPUTER TECHNOLOGY 11

Prerequisite: None.

Computer Technology 11 is designed for both NEW and RETURNING Computer Technology students. Course "level" will be assigned by the instructor in September – based on previous Computer Technology experience.

NEW Computer Technologies Students (Level 1)
Computer Technology is designed for students with little or no prior experience in coding. This course introduces students to computer programming using Python, with an emphasis on logical thinking, syntax, and problem-solving strategies. Students will examine how computers interpret and execute instructions, how programs are structured, and how to approach problems using a systematic, step-by-step process. Students will gain experience working with variables, conditionals, loops, functions, and basic data structures, as well as learn effective debugging and code refinement techniques. The course utilizes industry-standard tools including Python, Visual Studio Code, and Adobe Photoshop. Throughout the course, students will design and complete small programs, interactive projects, and practical applications.

SECOND YEAR Computer Technologies Students (Level 2)
Computer Technology (Level 2) is designed for students who have completed an introductory coding course and are ready to further develop their programming skills. This course builds on foundational Python knowledge with a focus on advanced problem-solving, program design, and code efficiency. Students will deepen their understanding of data structures, including lists, dictionaries, and files, and will explore object-oriented programming concepts such as classes, objects, methods, and inheritance. Students will learn to design and manage larger programs by applying modular programming techniques, improving code readability, and using more advanced debugging and testing strategies. Additional topics include basic algorithms, data validation, file input/output, and introductory software design principles. Industry-standard tools such as Python and Visual Studio Code will continue to be used to support development and project work. Throughout the course, students will complete increasingly complex programs, collaborative projects, and real-world applications.

THIRD YEAR Computer Technologies Students (Level 3)
Computer Technology (Level 3) is designed for students who have completed intermediate-level programming courses and are prepared to apply their skills to larger, real-world projects. This course emphasizes project development, program planning, and the application of Python programming to practical problem-solving scenarios. Students will further refine their understanding of object-oriented programming, including advanced use of classes and objects, inheritance, and program architecture. Students will work extensively with files and data management, including reading, writing, sorting, searching, and organizing data. Additional topics may include algorithm design, data validation, error handling, and optimizing program performance. Emphasis is placed on developing complete applications from concept to completion, including planning, coding, testing, and refinement.

TE: COMPUTER TECHNOLOGY 12

Prerequisite: None.

Computer Technology 12 is designed for both NEW and RETURNING Computer Technology students. Course "level" will be assigned by the instructor in September – based on previous Computer Technology experience.

NEW Computer Technologies Students (Level 1)
Computer Technology is designed for students with little or no prior experience in coding. This course introduces students to computer programming using Python, with an emphasis on logical thinking, syntax, and problem-solving strategies. Students will examine how computers interpret and execute instructions, how programs are structured, and how to approach problems using a systematic, step-by-step process. Students will gain experience working with variables, conditionals, loops, functions, and basic data structures, as well as learn effective debugging and code refinement techniques. The course utilizes industry-standard tools including Python, Visual Studio Code, and Adobe Photoshop. Throughout the course, students will design and complete small programs, interactive projects, and practical applications.

SECOND YEAR Computer Technologies Students (Level 2)
Computer Technology (Level 2) is designed for students who have completed an introductory coding course and are ready to further develop their programming skills. This course builds on foundational Python knowledge with a focus on advanced problem-solving, program design, and code efficiency. Students will deepen their understanding of data structures, including lists, dictionaries, and files, and will explore object-oriented programming concepts such as classes, objects, methods, and inheritance. Students will learn to design and manage larger programs by applying modular programming techniques, improving code readability, and using more advanced debugging and testing strategies. Additional topics include basic algorithms, data validation, file input/output, and introductory software design principles. Industry-standard tools such as Python and Visual Studio Code will continue to be used to support development and project work. Throughout the course, students will complete increasingly complex programs, collaborative projects, and real-world applications.

THIRD YEAR Computer Technologies Students (Level 3)

Computer Technology (Level 3) is designed for students who have completed intermediate-level programming courses and are prepared to apply their skills to larger, real-world projects. This course emphasizes project development, program planning, and the application of Python programming to practical problem-solving scenarios. Students will further refine their understanding of object-oriented programming, including advanced use of classes and objects, inheritance, and program architecture. Students will work extensively with files and data management, including reading, writing, sorting, searching, and organizing data. Additional topics may include algorithm design, data validation, error handling, and optimizing program performance. Emphasis is placed on developing complete applications from concept to completion, including planning, coding, testing, and refinement.

FOURTH YEAR Computer Technologies Students (Level 4)

Computer Technology (Level 4) is designed for students who have advanced programming experience and are prepared to engage in comprehensive software development projects. This course emphasizes both individual and collaborative project planning, guiding students through all stages of the software development process. Students will apply advanced programming concepts, including object-oriented design, data structures, file management, and algorithm development, to create robust and meaningful applications. Students will explore the full software development life cycle, including problem analysis, requirements gathering, project planning, design, implementation, testing, debugging, documentation, and deployment. Emphasis is placed on teamwork, version control practices, code organization, and effective communication within development teams.

TE: ELECTRONICS AND ROBOTICS 9

Prerequisite: None

This course will introduce students to the exciting and fast-paced technology field of electronics and robotics. Students will learn about electronic theory, including but not limited to series and parallel circuits, Ohm's law, printed circuit boards, active and passive components, semiconductors, integrated circuits, analogue and digital circuits, and testing equipment through hands on lab and project work. Students will also be introduced to basic programming using Arduino. Through theory, demonstrations, and hands-on experimentation, students will learn the invaluable skills to design and build their own electronic circuits. Additionally, students will engage in a skills project where they will design, build, and compete against each other with their own sumo-bot robots. This project involves concept design, circuit design and implementation, programming, and testing in a competitive environment. This comprehensive program aims to equip students with both theoretical knowledge and hands-on experience in electronics and robotics.

TE: ELECTRONICS AND ROBOTICS 10

Prerequisite: None.

Electronics and Robotics 10 is designed for both NEW and RETURNING Electronics and Robotics students. Course "level" will be assigned by the instructor in September – based on previous Electronics and Robotics experience.

NEW Electronics and Robotics Students - Level 1 will introduce students to the exciting and fast-paced technology field of electronics and robotics. Students will learn about electronic theory, including but not limited to series and parallel circuits, Ohm's law, printed circuit boards, active and passive components, semiconductors, integrated circuits, analogue and digital circuits, and testing equipment through hands on lab and project work. Students will also be introduced to basic programming using Arduino. Through theory, demonstrations, and hands-on experimentation, students will learn the invaluable skills to design and build their own electronic circuits. Additionally, students will engage in a skills project where they will design, build, and compete against each other with their own sumo-bot robots. This project involves concept design, circuit design and implementation, programming, and testing in a competitive environment. This exciting and fun class aims to equip students with both theoretical knowledge and hands-on experience in electronics and robotics.

RETURNING Electronics and Robotics Students - Level 2 students will build on knowledge gained in the level 1 course and explore the world of amplifiers, power supplies, programming and autonomous robots. Students will continue to explore and expand their knowledge of programming using Arduino. The course is a combination of applied theory and project work. It will include bread-boarding, soldering and building projects. You will have an opportunity to build and program your very own autonomous Sumo-bot. This course is a preferred prerequisite to all electrical and engineering programs and gives students a competitive edge when applying for programs of this nature at BCIT, UBC and SFU.

TE: ELECTRONICS AND ROBOTICS 11

Prerequisite: None.

Electronics and Robotics 11 is designed for both NEW and RETURNING Electronics and Robotics students. Course "level" will be assigned by the instructor in September – based on previous Electronics and Robotics experience.

NEW Electronics and Robotics Students - Level 1 will introduce students to the exciting and fast-paced technology field of electronics and robotics. Students will learn about electronic theory, including but not limited to series and parallel circuits, Ohm's law, printed circuit boards, active and passive components, semiconductors, integrated circuits, analogue and digital circuits, and testing equipment through hands on lab and project work. Students will also be introduced to basic programming using Arduino. Through theory, demonstrations, and hands-on experimentation, students will learn the invaluable skills to design and build their own electronic circuits. Additionally, students will engage in a skills project where they will design, build, and compete against each other with their own sumo-bot robots. This project involves concept design, circuit design and implementation, programming, and testing in a competitive environment. This exciting and fun class aims to equip students with both theoretical knowledge and hands-on experience in electronics and robotics.

RETURNING Electronics and Robotics Students - Level 2 students will build on knowledge gained in the level 1 course and explore the world of amplifiers, power supplies, programming and autonomous robots. Students will continue to explore and expand their knowledge of programming using Arduino. The course is a combination of applied theory and project work. It will include bread-boarding, soldering and building projects. You will have an opportunity to build and program your very own autonomous Sumo-bot. This course is a preferred prerequisite to all electrical and engineering programs and gives students a competitive edge when applying for programs of this nature at BCIT, UBC and SFU.

THIRD YEAR Electronic and Robotics Students - Level 3 students will be involved in designing and engineering projects around the core areas of electronics and robotics. Microprocessors, robotics and digital electronics form the core of this course which builds on previous knowledge. The course will have a combination of theory and practical hands-on opportunities to build and experiment with ever more advanced circuits. This is an exciting opportunity to develop skills and learn new ones such as programming microprocessors and putting them to work in a real-world environment. Students will again be offered opportunities to compete in robotic competitions and also look at Skills Canada events in Electronics and Robotics.

TE: ELECTRONICS AND ROBOTICS 12

Prerequisite: None.

Electronics and Robotics 12 is designed for both NEW and RETURNING Electronics and Robotics students. Course "level" will be assigned by the instructor in September – based on previous Electronics and Robotics experience.

NEW Electronics and Robotics Students - Level 1 will introduce students to the exciting and fast-paced technology field of electronics and robotics. Students will learn about electronic theory, including but not limited to series and parallel circuits, Ohm's law, printed circuit boards, active and passive components, semiconductors, integrated circuits, analogue and digital circuits, and testing equipment through hands on lab and project work. Students will also be introduced to basic programming using Arduino. Through theory, demonstrations, and hands-on experimentation, students will learn the invaluable skills to design and build their own electronic circuits. Additionally, students will engage in a skills project where they will design, build, and compete against each other with their own sumo-bot robots. This project involves concept design, circuit design and implementation, programming, and testing in a competitive environment. This exciting and fun class aims to equip students with both theoretical knowledge and hands-on experience in electronics and robotics.

RETURNING Electronics and Robotics Students - Level 2 students will build on knowledge gained in the level 1 course and explore the world of amplifiers, power supplies, programming and autonomous robots. Students will continue to explore and expand their knowledge of programming using Arduino. The course is a combination of applied theory and project work. It will include bread-boarding, soldering and building projects. You will have an opportunity to build and program your very own autonomous Sumo-bot. This course is a preferred prerequisite to all electrical and engineering programs and gives students a competitive edge when applying for programs of this nature at BCIT, UBC and SFU.

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FOURTH YEAR Electronic and Robotics Students - Level 4 students will have an opportunity to choose an area of interest to explore in more depth. This area of the student's choice can be in digital electronics, autonomous robotics or a more in-depth study of microprocessors (Arduino and Pic microcontrollers). Students should be self-motivated, and they will be guided through their chosen area of study and gain more experience and confidence as they work to complete a major project in one of the three disciplines. This will be a self-directed course during which students will be able to choose their own project path and pace of study. Students should have already completed level three, and this course is suited to those students planning technical careers.

TE: EDD (ENGINEERING, DRAFTING, AND DESIGN) 9

Prerequisite: None

Do you like to design and make things?

Students who have an interest in the areas of 3D Modelling and Animation, Architecture, Engineering and Product design will find this course interesting, invaluable, and exciting! This introductory course targets students with little or no previous CAD experience and introduces you to the very latest computer programs, Autodesk Inventor, 3DS Max, and AutoCAD. The course content will prepare students with the basic skills used by Engineers, Architects, Animators, Building trades, Interior Design, etc...

In the class, you will explore the Design Cycle from initial concept, to finished Orthographic drawings, and fabrication using the latest technology, plotters, 3D printing, and CNC machining. Create and explore undiscovered worlds and the latest developments in Animation using 3DS Max, investigate the latest in Architecture and Design, and solve first world problems with your very own 3D printed prototypes. Creativity and critical thought will be encouraged throughout.

No previous computer experience is necessary for the successful completion of this course. EDD Class, Take It and Make It!

TE: EDD (ENGINEERING, DRAFTING, AND DESIGN) 10

(Formerly known as CADD)

Prerequisite: None.

EDD 10 is designed for both NEW and RETURNING EDD students. Course "level" will be assigned by the instructor in September – based on previous EDD experience.

NEW EDD Students (Level 1) should have an interest in the areas of 3D Modelling and Animation, Architecture, Interior Design, Construction, Engineering and Product design will find this course interesting, invaluable, and fun! This introductory course targets students with little or no previous EDD experience and introduces you to the very latest computer programs, Autodesk Inventor, Fusion 360, 3DS Max, Maya, AutoCAD, Architecture, and Revit. Throughout this course, you will explore the Design Cycle from initial concept to finished design and fabrication using the latest technology, 3D printing/plotting, CNC machining, and/or laser cutting. Create and explore undiscovered worlds and the latest developments in Animation using 3DS Max and Maya. You will also investigate Architectural styles, and design throughout history. Creativity and critical thought will be encouraged throughout while learning new skills in a fun and relaxed atmosphere. No previous computer experience is necessary for the successful completion of this course.

RETURNING EDD Students (Level 2) build on the skills learned in EDD 9. You will have the opportunity to explore in greater depth from the field of your choice, whether its Animation, Architecture, or Engineering and Design. The programs you will use, but are not limited to, are Autodesk Inventor, Fusion 360, 3DS Max, Maya, Mudbox, AutoCAD, Architecture, and Revit. New areas of exploration include an introduction to career options, the product development process and advanced manufacturing techniques including fabrication using the latest technology, 3D printing/plotting, CNC machining, and/or laser cutting. You will learn about what makes "Good Design", the characteristics of quality construction, construction terminology, building engineering, and have the opportunity to design and draft a set of house plans. Or students may choose to advance their Animation skills by exploring the 12 Principles of Animation and utilizing the elements of Art and the Principles of Design in their work. If you have an interest in areas that include Animation, Architecture and Construction, Engineering and Design, you will find the next level intriguing, engaging, highly valuable, and especially, fun!

TE: EDD (ENGINEERING, DRAFTING, AND DESIGN) 11

(Formerly known as CADD)

Prerequisite: None.

EDD 11 is designed for both NEW and RETURNING EDD students. Course "level" will be assigned by the instructor in September – based on previous EDD experience.

NEW EDD Students (Level 1) should have an interest in the areas of 3D Modelling and Animation, Architecture, Interior Design, Construction, Engineering and Product design will find this course interesting, invaluable, and fun! This introductory course targets students with little or no previous EDD experience and introduces you to the very latest computer programs, Autodesk Inventor, Fusion 360, 3DS Max, Maya, AutoCAD, Architecture, and Revit. Throughout this course, you will explore the Design Cycle from initial concept to finished design and fabrication using the latest technology, 3D printing/plotting, CNC machining, and/or laser cutting. Create and explore undiscovered worlds and the latest developments in Animation using 3DS Max and Maya. You will also investigate Architectural styles, and design throughout history. Creativity and critical thought will be encouraged throughout while learning new skills in a fun and relaxed atmosphere. No previous computer experience is necessary for the successful completion of this course.

RETURNING EDD Students (Level 2) build on the skills learned in Level One. You will have the opportunity to explore in greater depth from the field of your choice, whether its Animation, Architecture, or Engineering and Design. The programs you will use, but are not limited to, are Autodesk Inventor, Fusion 360, 3DS Max, Maya, Mudbox, AutoCAD, Architecture, and Revit. New areas of exploration include an introduction to career options, the product development process and advanced manufacturing techniques including fabrication using the latest technology, 3D printing/plotting, CNC machining, and/or laser cutting. You will learn about what makes "Good Design", the characteristics of quality construction, construction terminology, building engineering, and have the opportunity to design and draft a set of house plans. Or students may choose to advance their Animation skills by exploring the 12 Principles of Animation and utilizing the elements of Art and the Principles of Design in their work. If you have an interest in areas that include Animation, Architecture and Construction, Engineering and Design, you will find the next level intriguing, engaging, highly valuable, and especially, fun!

THIRD YEAR EDD Students (Level 3) have the opportunity to further develop their 3D Modelling, Drafting, and Animation skills. Working with the teacher, students will further focus and refine their area of study so they can concentrate their skill building towards their career goals. Students may explore Residential or Commercial Architecture, Engineering and Design, or Advanced 3-D Computer Animation. With teacher approval, students will work on self-directed projects tailored to their interests (e.g. Architectural model building, Digital Fabrication, Short Animations, Game design, etc…). Upon successful completion of this course, students will have a solid foundation to pursue post-secondary studies in areas including, but not limited to, 3D Design, Computer Animation, Architecture, Engineering, and Construction.

TE: EDD (ENGINEERING, DRAFTING, AND DESIGN) 12

(Formerly known as CADD)

Prerequisite: None.

EDD 12 is designed for both NEW and RETURNING EDD students. Course "level" will be assigned by the instructor in September – based on previous EDD experience.

NEW EDD Students (Level 1) should have an interest in the areas of 3D Modelling and Animation, Architecture, Interior Design, Construction, Engineering and Product design will find this course interesting, invaluable, and fun! This introductory course targets students with little or no previous EDD experience and introduces you to the very latest computer programs, Autodesk Inventor, Fusion 360, 3DS Max, Maya, AutoCAD, Architecture, and Revit. Throughout this course, you will explore the Design Cycle from initial concept to finished design and fabrication using the latest technology, 3D printing/plotting, CNC machining, and/or laser cutting. Create and explore undiscovered worlds and the latest developments in Animation using 3DS Max and Maya. You will also investigate Architectural styles, and design throughout history. Creativity and critical thought will be encouraged throughout while learning new skills in a fun and relaxed atmosphere. No previous computer experience is necessary for the successful completion of this course.

RETURNING EDD Students (Level 2) build on the skills learned in Level One. You will have the opportunity to explore in greater depth from the field of your choice, whether its Animation, Architecture, or Engineering and Design. The programs you will use, but are not limited to, are Autodesk Inventor, Fusion 360, 3DS Max, Maya, Mudbox, AutoCAD, Architecture, and Revit. New areas of exploration include an introduction to career options, the product development process and advanced manufacturing techniques including fabrication using the latest technology, 3D printing/plotting, CNC machining, and/or laser cutting. You will learn about what makes "Good Design", the characteristics of quality construction, construction terminology, building engineering, and have the opportunity to design and draft a set of house plans. Or students may choose to advance their Animation skills by exploring the 12 Principles of Animation and utilizing the elements of Art and the Principles of Design in their work. If you have an interest in areas that include Animation, Architecture and Construction, Engineering and Design, you will find the next level intriguing, engaging, highly valuable, and especially, fun!

THIRD YEAR EDD Students (Level 3) have the opportunity to further develop their 3D Modelling, Drafting, and Animation skills. Working with the teacher, students will further focus and refine their area of study so they can concentrate their skill building towards their career goals. Students may explore Residential or Commercial Architecture, Engineering and Design, or Advanced 3-D Computer Animation. With teacher approval, students will work on self-directed projects tailored to their interests (e.g. Architectural model building, Digital Fabrication, Short Animations, Game design, etc…). Upon successful completion of this course, students will have a solid foundation to pursue post-secondary studies in areas including, but not limited to, 3D Design, Computer Animation, Architecture, Engineering, and Construction.

FOURTH YEAR EDD Students (Level 4) will further develop and refine the skills acquired over three years of study. This is a primarily self-directed course that builds on previous experience. You have the choice and opportunity to explore in depth the field of your desire, 3D Computer Animation, Residential and/or Commercial Architecture, or Engineering Design and Manufacturing. Upon successful completion of this course, students will have a solid foundation to pursue post-secondary studies in areas including, but not limited to, 3D Design, Architecture, Drafting, Engineering, Construction, and Computer Animation.

TE: WOODWORK 9

Prerequisite: None

NEW Woodwork Students (Level 1)

Welcome to the exciting and fun world of woodworking! Get ready for a hands-on experience where you'll learn to build incredible projects while mastering essential tools and techniques. In this class, you'll get to make your own cutting board by learning gluing and lamination. You'll also discover how to turn pens on a lathe, learn joinery by building a relaxing Zen garden, and carve a spoon using hand tools. Throughout the course, you'll learn the important "Milling Procedure", tons of tool use, and so much more. This isn't just about crafting; it's about showcasing your creativity and individuality while building your confidence. Each project will allow you to express your unique style while building things you'll be proud to keep and/or share. Safety is key in our workshop, so you'll learn about safe practices, accident prevention, and how to use various tools and equipment responsibly. We want you to enjoy the process without worry! If you're looking to dive deeper into your projects, we offer "open shop times" for those interested in spending extra time on more challenging work. So, don't miss out—sign up for a woodworking class that's about creativity, skill-building, and having a great time building your future!

TE: WOODWORK 10

Prerequisite: None

Woodwork 10 is designed for both <u>NEW</u> and <u>RETURNING</u> Woodwork students. Course "<u>level</u>" will be assigned by the instructor in September – based on previous Woodwork experience.

<u>NEW Woodwork Students (Level 1)</u>
Welcome to the exciting and fun world of woodworking! Get ready for a hands-on experience where you'll learn to build incredible projects while mastering essential tools and techniques. In this class, you'll get to make your own cutting board by learning gluing and lamination. You'll also discover how to turn pens on a lathe, learn joinery by building a relaxing Zen garden, and carve a spoon using hand tools. Throughout the course, you'll learn the important "Milling Procedure", tons of tool use, and so much more. This isn't just about crafting; it's about showcasing your creativity and individuality while building your confidence. Each project will allow you to express your unique style while building things you'll be proud to keep and/or share. Safety is key in our workshop, so you'll learn about safe practices, accident prevention, and how to use various tools and equipment responsibly. We want you to enjoy the process without worry! If you're looking to dive deeper into your projects, we offer "open shop times" for those interested in spending extra time on more challenging work. So, don't miss out—sign up for a woodworking class that's about creativity, skill-building, and having a great time building your future!

<u>RETURNING Woodwork Students - Level 2</u>
We will expand your understanding of woodworking processes and safety through larger and more complex furniture projects. Building on the skills learned in Level 1, you'll have the opportunity to design and build your own custom skateboard. You'll also be introduced to furniture design and construction, create a lamp (Andon), explore wood sculpture, turn bowls, and tackle many more engaging projects that will help refine your skills and craftsmanship. New areas of exploration include construction terminology, an introduction to career options, advanced manufacturing techniques, and you will learn about what makes "Good Design" and the characteristics of quality construction. The skills you acquire in this class will come in handy for the rest of your life.

TE: WOODWORK 11

Prerequisite: None.

Woodwork 11 is designed for both <u>NEW</u> and <u>RETURNING</u> Woodwork students. Course "<u>level</u>" will be assigned by the instructor in September – based on previous Woodwork experience.

<u>NEW Woodwork Students (Level 1)</u>
Welcome to the exciting and fun world of woodworking! Get ready for a hands-on experience where you'll learn to build incredible projects while mastering essential tools and techniques. In this class, you'll get to make your own cutting board by learning gluing and lamination. You'll also discover how to turn pens on a lathe, learn joinery by building a relaxing Zen garden, and carve a spoon using hand tools. Throughout the course, you'll learn the important "Milling Procedure", tons of tool use, and so much more. This isn't just about crafting; it's about showcasing your creativity and individuality while building your confidence. Each project will allow you to express your unique style while building things you'll be proud to keep and/or share. Safety is key in our workshop, so you'll learn about safe practices, accident prevention, and how to use various tools and equipment responsibly. We want you to enjoy the process without worry! If you're looking to dive deeper into your projects, we offer "open shop times" for those interested in spending extra time on more challenging work. So, don't miss out—sign up for a woodworking class that's about creativity, skill-building, and having a great time building your future!

<u>RETURNING Woodwork Students - Level 2</u>
will expand your understanding of woodworking processes and safety through larger and more complex furniture projects. Building on the skills learned in Level 1, you'll have the opportunity to design and build your own custom skateboard. You'll also be introduced to furniture design and construction, create a lamp (Andon), explore wood sculpture, turn bowls, and tackle many more engaging projects that will help refine your skills and craftsmanship. New areas of exploration include construction terminology, an introduction to career options, advanced manufacturing techniques, and you will learn about what makes "Good Design" and the characteristics of quality construction. The skills you acquire in this class will come in handy for the rest of your life.

<u>THIRD YEAR Woodwork Students - Level 3</u>
is designed for advanced students ready to take on more independent work. In collaboration with the teacher, you'll have the chance to choose from challenging and rewarding projects that spark your interest. This course will introduce you to exciting new areas, including advanced CNC techniques, wood burning (Yakisugi), furniture styles, and an exploration of career options in woodworking. You'll also delve into advanced materials and techniques, learn about the characteristics of quality craftsmanship, and understand tool and equipment maintenance. Projects in this level will build your knowledge of complex joinery and techniques. You might work on items such as paddles, chairs, advanced woodturning projects, veneering, wood sculpture, furniture design and construction, advanced joinery, and even basic residential wood frame construction techniques. There's so much to discover and create!

TE: WOODWORK 12

Prerequisite: None.

Woodwork 12 is designed for both NEW and RETURNING Woodwork students. Course "level" will be assigned by the instructor in September – based on previous Woodwork experience.

NEW Woodwork Students (Level 1)

Welcome to the exciting and fun world of woodworking! Get ready for a hands-on experience where you'll learn to build incredible projects while mastering essential tools and techniques. In this class, you'll get to make your own cutting board by learning gluing and lamination. You'll also discover how to turn pens on a lathe, learn joinery by building a relaxing Zen garden, and carve a spoon using hand tools. Throughout the course, you'll learn the important "Milling Procedure", tons of tool use, and so much more. This isn't just about crafting; it's about showcasing your creativity and individuality while building your confidence. Each project will allow you to express your unique style while building things you'll be proud to keep and/or share. Safety is key in our workshop, so you'll learn about safe practices, accident prevention, and how to use various tools and equipment responsibly. We want you to enjoy the process without worry! If you're looking to dive deeper into your projects, we offer "open shop times" for those interested in spending extra time on more challenging work. So, don't miss out—sign up for a woodworking class that's about creativity, skill-building, and having a great time building your future!

RETURNING Woodwork Students - Level 2

We will expand your understanding of woodworking processes and safety through larger and more complex furniture projects. Building on the skills learned in Level 1, you'll have the opportunity to design and build your own custom skateboard. You'll also be introduced to furniture design and construction, create a lamp (Andon), explore wood sculpture, turn bowls, and tackle many more engaging projects that will help refine your skills and craftsmanship. New areas of exploration include construction terminology, an introduction to career options, advanced manufacturing techniques, and you will learn about what makes "Good Design" and the characteristics of quality construction. The skills you acquire in this class will come in handy for the rest of your life.

THIRD YEAR Woodwork Students - Level 3

Is designed for advanced students ready to take on more independent work. In collaboration with the teacher, you'll have the chance to choose from challenging and rewarding projects that spark your interest. This course will introduce you to exciting new areas, including advanced CNC techniques, wood burning (Yakisugi), furniture styles, and an exploration of career options in woodworking. You'll also delve into advanced materials and techniques, learn about the characteristics of quality craftsmanship, and understand tool and equipment maintenance. Projects in this level will build your knowledge of complex joinery and techniques. You might work on items such as paddles, chairs, advanced woodturning projects, veneering, wood sculpture, furniture design and construction, advanced joinery, and even basic residential wood frame construction techniques. There's so much to discover and create!

FOURTH YEAR Woodwork Students - Level 4

is geared towards advanced students ready for independent work. You'll have the opportunity to choose projects that challenge and inspire you while expanding your knowledge of tools and techniques. This can include advanced wood turning, wood sculpture, furniture design and construction, cabinetry and joinery, steam bending, basic residential wood frame construction techniques, and so much more.

TH: DRAMA 8

Drama 8 is an active course that introduces students to the theatre. Topics covered are mime, voice, movement, improvisation, character work, playmaking and performance basics. Teamwork, self-discipline cooperation and creative risk taking are stressed. Drama 8 builds confidence, improves public speaking skills, and collaborative skills. It's a fun and safe environment where students can explore their own creativity and story-telling potential.

TH: DRAMA 9

Students need not have previous skills in order to take Drama 9. However only those serious about developing their drama skills should consider this course. Topics covered include playwriting, improvisation, mask work, character creation, Shakespeare, puppetry, film, radio plays and scene work. Teamwork, self-discipline and risk taking are stressed. Drama 9 builds confidence, improves public speaking skills, performance skills, collaborative skills and is a fun and active class.

TH: DRAMA 10

Students need not have previous skills in order to take Drama 10. However only those serious about developing their theatrical skills should consider this course. Topics covered include playwriting, improvisation, mask work, character creation, Shakespeare, puppetry, film, radio plays and scene work. Teamwork, self-discipline and risk taking are stressed. Drama 10 builds confidence, improves public speaking skills, performance skills, collaborative skills and is a fun and active class.

TH: DRAMA 11

Recommended: Drama 8, 9, or 10 or with instructor's permission

This course is about the development of techniques and acting skills. Students will take part in a variety of activities designed to train the actor. Topics covered include playwriting, advanced mime, musical theatre, auditioning, one acts, commdia del'arte, improvisation, and stage combat. Students must be dedicated, hardworking and committed to creating a theatre ensemble within the class. Students taking this course must be prepared to rehearse and perform outside of regular school hours. Evening participation is mandatory.

TH: DRAMA 12

Recommended: Drama 8, 9, 10, or 11 or with instructor's permission

This course is about the development of techniques and acting skills. Students will take part in a variety of activities designed to train the actor. Topics covered include playwriting, advanced mime, musical theatre, auditioning, one acts, commdia del'arte, improvisation, and stage combat. Students must be dedicated, hardworking and committed to creating a theatre ensemble within the class. Students taking this course must be prepared to rehearse and perform outside of regular school hours. Evening participation is mandatory.

TH: DIRECTING AND SCRIPTWRITING 11

Recommended: Drama 10, Theatre Production 11, or Instructor's permission

This course emphasizes the essentials of script building/development and the techniques of directing for the stage, but also includes technical aspects of theatre production (lighting, sound, set design, stage management, and front of house). Direction is the major focus for this course, but the development of a creative voice and personal style through writing for stage is highlighted and valued. Students are encouraged to tackle projects and subject matter of significance to them. Directing and Script Development requires students to work with other acting students to develop productions for presentation. Assignments in this course include script writing, conducting acting classes, directing and producing scenes/plays, etc.

TH: DIRECTING AND SCRIPTWRITING 12

Prerequisite: Theatre Production 11 or Instructor's permission

See Theatre Performance - Directing and Scriptwriting 11 (above).

TH: THEATRE PRODUCTION - STAGECRAFT 11

This is an introductory course designed to give students the opportunity to study the technical aspects of the theatre. Each student will explore the basic principles of set design, costume design, lighting design, make-up techniques and set construction. These activities will run concurrently with the usual work-a-day activities of the theatre such as basic carpentry, costume alterations, painting, etc. Students also will look briefly at the history of stagecraft. Knowledge gained in this course may be put into practice by working on the technical crew of school productions. Students should note that great emphasis in this course is placed on participation and self-discipline.

TH: THEATRE PRODUCTION - STAGECRAFT 12

Prerequisite: Theatre Production 11

This course provides a further development of several topics of Theatre Production 11 plus new units on costuming and sound. Specifically, students will increase their knowledge and experience with theatre construction techniques, design, painting, lighting, and management. The costuming unit will focus on research and psychology of colour. The sound unit will help students understand how valuable good sound is to a play and will provide students with the knowledge to create a workable sound plot. It is expected that students will read plays and create designs for them. It is also expected that after school time will be used to finish set construction and to hang lights. Students will be the technical crew of productions staged by the Cambie Theatre Department and will find themselves in responsible positions requiring some after school and evening participation.

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CAREER PROGRAMS
SCHOOL DISTRICT NO. 38 (RICHMOND)

DUAL CREDIT PROGRAM/COURSE OPTIONS FOR Gr. 10-12 STUDENTS

Take university/college courses while in high school !!!

- The Richmond SD38 Career Programs Office (CPO) offers several DUAL CREDIT* programs and courses for students to take while in high school. The CPO is located at Cambie Secondary School.
- *DUAL CREDIT: Students earn both high school and post-secondary credits for the programs they take. The high school credits count toward a student's GPA.
- TUITION is FREE for dual credit programs/courses (trades training and degree/certificate courses).
- Applications are posted on our website, and "TUESDAY DUE DAYS" are listed in our brochure.
- Find details on our Career Programs slat board inside or just outside your school's counselling area.

View our website: https://careerprograms.sd38.bc.ca

View our Brochure:

Attend an Info Night on Zoom
(more to be announced)

Check out our MANY Program Offerings Here:

(Click on the tiles or the Programs tab to view a drop-down list.)

Choose from these and MANY MORE!

- Trades Training (Professional Cook, Plumbing/Piping, Auto Service, Aircraft Maintenance, Electrical, Carpentry and much more!)
- Medical Lab Assistant, Health Care Assistant and NEW Intro to Medical & Health Science Program
- Intro to Early Childhood Education
- Manufacturing and Engineering Co-op (@ Burnett)

In Partnership with:

SKILLED TRADES BC, BCIT, Vancouver Community College, Kwantlen Polytechnic University, PIC Piping Industry College of B.C., FTI Finishing Trades Institute of BC, Langara.

For more information contact your School Counselor, Career Information Advisor or the District Career Programs Office at 604-668-6000 (extension 3766). Email: careerprograms@sd38.bc.ca