

GLENEAGLE SCHOOL

# Course Planning Booklet

*for Students & Parents*



2026 – 2027 SCHOOL YEAR

---

Admin Team: Mr. Mark Clay, Principal  
Mr. Jason Bingley, Acting Vice Principal  
Mr. Todd Smith, Vice Principal  
Ms. Kelly Fridge, Vice Principal

Address: 1195 Lansdowne Drive, Coquitlam, British Columbia, V3B 7Y8  
Telephone: (604) 464-5793  
Email: [gleneagle@sd43.bc.ca](mailto:gleneagle@sd43.bc.ca)  
Website: [www.sd43.bc.ca/school/gleneagle](http://www.sd43.bc.ca/school/gleneagle)  
App: <https://myschoolday.app/download.php>  
Instagram: [@gleneaglesecondaryschool](https://www.instagram.com/gleneaglesecondaryschool)

## Message from the Administration Team

Welcome to Gleneagle Secondary! This booklet is full of information about the courses we hope to offer. Please read it carefully as you plan for the year to come. Remember that careful decisions will assist us in offering the courses students would like to take, as we use this course selection process and students' voices to determine what courses get scheduled each year. Be mindful that your top choices of electives may not be available due to scheduling conflicts, so ensure your alternative elective choices are also courses you are prepared to take.

There are several school and district educational pathways available to you. Ask questions and check in with various staff along the way to ensure you are making informed choices with your schooling in mind. Counsellors, administration, and our post-secondary /career advisor are here to help with your programming needs.

## Table of Contents

### School Information

Course Index	page 3
Graduation Requirements	page 4
Learning Supports and Services	page 5
<i>Unique Learning Opportunities:</i> COAST	page 6

### Subject Areas

Art	page 7
Business Education	page 10
Career Education	page 12
English	page 13
EAL (English as an Additional Language)	page 14
Home Economics	page 15
Info Tech, Media Arts and Chess	page 16
Languages	page 18
Leadership	page 19
Math	page 20
Music	page 23
Physical & Health Education	page 24
Science	page 26
Social Studies	page 28
Technology Education	page 30
Theatre	page 32

### Additional District Course Offerings

Train in Trades	page 33
Explore in Trades & Work in Trades	page 35
Coquitlam Open Learning	page 37

# Course Index

20th Century History 12	page 29	Foods 9-12	page 15
3D Game Design 12	page 17	Foundations and PreCalculus 10	page 20
Accounting 11-12	page 11	Foundations of Math 11-12	page 21-22
Active Living 11-12	page 24	French 9-12	page 18
Anatomy and Physiology 12	page 27	Graphic Arts 9-12	page 8
Animation 11 (2D) and 12 (3D)	page 17	Interpersonal & Family Relationships 11	page 15
Art Studio 10-12	page 7	Jazz Band 9-12	page 23
Artistic Crafting & Textiles 11-12	page 9	Keyboarding & Computer Applications 9	page 10
Athletic Leadership 11-12	page 25	Law Studies 12	page 29
Automotive Technology 11-12	page 31	Leadership 10-12	page 19
Band 9-12	page 23	Life Sciences 11	page 26
BC First Peoples 12	page 28	Mandarin Bilingual 9-12	page 18
Beginner Guitar 11	page 23	Marketing & Entrepreneurship 9	page 10
Business Computer Applications 11	page 10	Marketing & Promotions 11	page 10
Calculus 12	page 22	Math 9	page 20
Careers Courses 9-12	page 12	Media Design 10-11	page 16
Ceramics & Sculpture 9-10	page 8	Musical Theatre 10-12	page 32
Chemistry 11-12	page 26-27	Optimizing Athletic Performance 11-12	page 25
Chess 11	page 16	Peer Tutoring 11-12	page 19
Child Development and Caregiving 12	page 15	Philosophy 12	page 29
Choir 9-12	page 23	Photography 10-12	page 9
COAST 10	page 6	Physical and Health Education 9-10	page 24
Composition 11	page 14	Physical Geography 12	page 29
Computer Programming 11-12	page 17	Physics 11-12	page 26-27
Con X 11-12	page 19	Pre-Calculus 11-12	page 21-22
Creative Writing 12	page 14	Science 9-10	page 26
Culinary Arts 10-12	page 15	Science For Citizens 11	page 26
Digital Film Making 11-12	page 16	Skills Exploration 11	page 31
Digital Marketing & E-Commerce 12	page 11	Social Studies 9-10	page 28
Drama 9-12	page 32	Spanish 9-12 and Intro 11	page 18
EAL (English as an Additional Language)	page 14	Studio Arts 2D 11-12	page 7
Economic Theory 12	page 28	Studio Arts 3D 11-12	page 8
English 9-10	page 13	Tech Explorations 9-10	page 30
English First Peoples 12	page 14	Technology Leadership 11-12	page 19
Environmental Science 11	page 26	Theatre Production 10-12	page 32
Explorations in Social Studies 11	page 28	Visual Arts 9	page 7
Fashion Industry 12	page 9	Vocal Jazz 9-12	page 23
Fitness and Conditioning 11-12: Aerobics	page 24	Woodwork 9-12	page 30
Fitness and Conditioning 11-12: Weight Training	page 24	Work Experience 12	page 12
Fly Fishing 11	page 25	Workplace Math 10-11	page 20-21
		Yearbook 11-12	page 9

# Graduation Requirements

- courses or assessments **in bold** below are specifically required for graduation
- at least 80 credits from Grade 10-12 courses (each course is worth 4 credits)
- at least 16 credits from Grade 12 level courses (must include English Studies 12 or English First Peoples 12, and CLC 12)
- at least 28 credits from Grade 10-12 elective courses
- at least 4 credits from an Indigenous-focused course, such as BC First Peoples 12 (Social Studies course), English First Peoples 10, or English First Peoples 12
- at least 4 credits from a Grade 10-12 Arts Education (**AE**) or Applied Design, Skills and Technologies course (**ADST**). Approved courses can be seen at these links: [AE](#) and [ADST](#)
- note: Grade 9 courses are foundational courses for Grade 10-12 offerings; Career Education 9 is embedded within other Grade 9 courses; Digital Literacy 10 is also embedded as well as some online assignments through MS Teams

## COURSE REQUIREMENTS BY GRADE

<u>Grade 9</u>	<u>Grade 10</u>	<u>Grade 11</u>	<u>Grade 12</u>
<b>English 9</b>	an <b>English 10</b>	an <b>English 11</b>	an <b>English 12</b>
<b>Math 9</b>	a <b>Math 10</b>	a <b>Math 11</b>	<b>Elective 12</b>
<b>Science 9</b>	<b>Science 10</b>	a <b>Science 11</b>	<b>Elective 12</b>
<b>Social Studies 9</b>	<b>Social Studies 10</b>	a <b>Social Studies 11 OR 12</b>	<b>Elective 12</b>
<b>PHE 9</b>	<b>PHE 10</b>	Elective 10/11/12	<b>Indigenous-Focus 10/11/12</b>
Elective 9	<b>CLE 10</b>	Elective 10/11/12	Elective 10/11/12
Elective 9	Elective 10/11/12	Elective 10/11/12	Elective 10/11/12
Elective 9	Elective 10/11/12	Elective 10/11/12	Elective 10/11/12

## ADDITIONAL REQUIREMENTS (outside timetable)

<u>Grade 9</u>	<u>Grade 10</u>	<u>Grade 11</u>	<u>Grade 12</u>
Career Education 9	<b>Literacy Assessment 10</b>		<b>Career Life Connections 12</b>
Digital Literacy 10	<b>Numeracy Assessment 10</b>		<b>Literacy Assessment 12</b>

Students should consider the following when selecting courses:

- graduation requirements
- post-secondary admission requirements
- must have 8 courses scheduled within the regular timetable (**4 courses daily in each semester**)
- personal growth, breadth, and depth
- Grade 11 students may request one Grade 12 academic course in addition to their Social Studies 12 selection. **However, please note space will be prioritized first for Grade 12 students.**

Course changes will only be considered for the following reasons:

- need to fulfill graduation requirements
- post-secondary requirements have changed (students must provide details)
- fewer than 8 courses scheduled within the regular timetable
- placed in the incorrect course level (i.e. foundation course not completed)
- completed a summer or online course (**note: must notify counsellor prior to registering for an online course**)

## **Learning Supports and Services** – *Supporting Students with Diverse Abilities*

The Learning Supports and Services department at Gleneagle has a primary mandate to increase and promote independence in all learners. Here, we work collaboratively with students, school staff, and families to develop strategies and programs for students with diverse abilities and learning needs. When necessary, we refer students for additional district services.

### **Learning Centre:**

*These options are planned in consultation with the student's previous school and family during the articulation process, or through referral once they are a Gleneagle student.*

#### Option 1

- A scheduled class that offers learning support for students who have mild to moderate learning needs and/or who benefit from an alternate setting. While the focus is on support for curricular coursework, class time is also used for developing self-advocacy and learning skills that support success in secondary school; this is all done with an emphasis on building connections and relationships.
- This scheduled class is in lieu of an elective and is sometimes offered as one of the following course credit options: Applications of Learning 10, Self-Efficacy 10, Self-Efficacy 11.

#### Option 2

- A scheduled class that offers targeted support and instruction for students with moderate to complex intellectual, physical, social-emotional, communication, health care, and/or academic learning needs.

### **Additional Supports for Students with Ministry of Education Designations**

- Programming and Individual Education Plan (IEP) development that occurs through meaningful consultation with the student and their parents/guardians.
- Case managers who liaise with teachers, Education Assistants (EAs), Learning Inclusion Support Workers (LISWs), counsellors, and administrators to ensure the student has meaningful and appropriate access to learning, including the use of targeted and individualized supports.
- For students who may struggle to meet typical graduation requirements, their case manager will be in regular consultation with parents/guardians around options including a School Leaving Certificate (Evergreen).

### **Youth Worker:**

- Provides supplementary support to students in consultation with administrators and counsellors.
- A member of our multi-disciplinary team, which may include collaboration with the student's home.

# COAST

**COAST** is a life-changing, outdoor education experience for Grade 10 students in semester two. The program integrates academics, leadership, and outdoor trips with an emphasis on character development, where students develop skills in resilience, perseverance, collaboration, self-confidence, and humility. As a result, COAST students gain appreciation and respect for nature. Upon leaving the program, students can expect to have learned the value of making informed and responsible decisions, initiating action, and taking personal responsibility for who they become. For more information, explore the website at [www.gleneaglecoast.com](http://www.gleneaglecoast.com)

## Timetable:

Semester 1     Math 10, Science 10, two electives  
Semester 2     COAST: Social Studies 10, English 10, Leadership 11, Physical and Health Education 10,  
Career Life Education 10 (Online), and Outdoor Education 11

## Certifications Received:

- St. John's Emergency First Aid
- CPR 'A' Ticket
- The Recreational Canoeing Association of BC – Flat-Water Level One
- Climbing Belay

## Overnight Outings:

- February Back Country Trip (snowshoeing, cross country skiing, and camping)
- Indoor Rock Climbing
- March Bike Trip
- April Hiking Trip
- Ocean Kayaking Trip
- May Canoe Trip
- June Camp Counselor Leadership Experience

## Application Procedure:

*Current Grade 9 Gleneagle students apply for the COAST 2027 Program from December 2025 to February 2026.*

Current Grade 8 students wishing to apply for COAST 2028 will be eligible to **apply in their Grade 9 year at Gleneagle**. Application information will be available to them in December 2026 (once in Grade 9), and all applicants will be interviewed in February 2027. Students need to attend Gleneagle in their Grade 9 year in order to apply. Students in the TALONS program are not eligible to apply due to the two-year commitment of that program.

Suitable candidates will be evaluated by a committee on the following criteria:

- commitment to co-operation and respect for others
- level of motivation and initiative-taking
- interest in the program
- responsibility towards academics
- reasonable time management and organizational skills

## Funding:

Equipment and travel expenses are covered by fundraising initiatives and a current course fee of \$1250. Students who are selected will be contacted and required to pay a \$250 deposit in February 2026, with the remaining \$1000 due in September 2026. The cost of the program covers travel, equipment, certifications, and instruction. Students must provide their own sleeping bag, hiking boots, clothing, and food.

For more information see <https://www.gleneaglecoast.com/> or contact Ms. Bogen at [kbogen@sd43.bc.ca](mailto:kbogen@sd43.bc.ca).

# ART

## **Visual Art 9**

Open to Grade 9

An introductory art course designed to accommodate all skill levels, with no previous experience required. Students are introduced to a variety of materials and techniques. Major projects include a formal multimedia drawing and collage. Students are able to discover new passions and learn a range of skills leading to more specialized courses in later grades.

## **Art Studio 10**

(AE)

Open to Grade 10

An introductory art course for all skill levels, with no previous experience required. Students will develop skills using a range of art materials and techniques. Major projects include watercolour and acrylic paintings, as well as sculpture. Students will discover colour theory and learn to apply image development strategies to create unique visual imagery.

## **Art Studio 11**

(AE)

Open to Grades 11-12

An introductory senior art course open to both experienced art students and those taking art for the first time. Offers opportunities for personal expression and visual communication in both 2D and 3D formats. Projects include drawing, painting, and sculpture using a variety of materials and techniques. Integral to the course are the Elements and Principles of Design and the expression of creative ideas.

## **Art Studio 12**

(AE)

Open to Grades 11-12

*Foundation: Art Studio 11 or Teacher permission*

Build upon skills and techniques learned in Art Studio 11. Continue to explore both 2D and 3D art and pursue individual interests. Use materials such as chalk and oil pastels, watercolour and acrylic paints, and a sculptural medium such as papier-mâché or plaster. Produce several pieces of art and potentially display your work at a district-wide art show.

## **Studio Arts 2D 11**

(AE)

Open to Grades 10-12

An introductory senior course focusing on the 2D aspect of art. Explore drawing and painting techniques, composition, the use of colour and the development of personal imagery in a variety of media. Major projects include large-scale drawings and an introduction to watercolour and acrylic painting. Complete several projects in a variety of mediums while building and developing drawing and painting skills.

## **Studio Arts 2D 12**

(AE)

Open to Grades 11-12

*Foundation: Studio Arts 2D 11 or Art Studio 11 or Teacher permission*

Build upon the drawing and painting skills and techniques learned in Studio Arts 2D 11. Further develop skills and imagery in a variety of drawing and painting media, with an emphasis on composition, personal image making and individual instruction. Students work on large-scale individual projects in an art studio atmosphere and have the opportunity to show their work in various displays.

## **Ceramics & Sculpture 9-10**

Open to Grade 9-10

Focusing on hand building techniques, students will learn pinch, slab, and coil methods of forming clay. Finishing techniques include using oxides, underglazes, and glazes as well as unfired options. Opportunities to work in other sculptural media may also be provided.

## **Studio Arts 3D 11** (AE)

Open to Grades 11-12

Explore 3D art, primarily through clay, with a focus on ceramic techniques. Worthwhile for both beginners and experienced art students. Includes hands-on opportunities to explore a variety of ceramic hand-building techniques. Use several glazing and alternate finishing techniques and explore personal and cultural themes touching on historical and social contexts. There may be opportunities to work with other traditional and non-traditional sculptural media.

## **Studio Arts 3D 12** (AE)

Open to Grades 11-12

*Foundation: Studio Arts 3D 11*

Extend the skills developed in Studio Arts 3D 11 while learning to use complex building and finishing techniques. Explore more technical information, with larger, more self-directed studio projects. Students are encouraged to strive for a personal style to reflect their unique interests and abilities.

## **Graphic Arts 9**

Open to Grade 9

In this digital art course, students will learn the basics of graphic design, composition, layout, colour, and fonts to create artwork. Work on hands-on projects with industry design software, such as Adobe Photoshop, to build creative skills. Create artwork that focuses on real-world tasks like digital drawing/painting with drawing tablets, character illustration, photo retouching, photomontage, personal branding, and advertising. This class promotes fresh ideas, helping students understand visual communication and artistic expression. It's great for anyone interested in design and art!

## **Graphic Arts 10** (AE)

Open to Grade 10

Suitable for first-time students or those who have taken Graphic Arts 9 and wish to continue their studies. Discover the fundamentals of graphic arts and design, focusing on essential concepts like visual composition, colour theory, and effective use of typography. Work on a variety of projects using industry-standard tools like Adobe Photoshop. Through hands-on learning, develop skills in digital illustration, character design, photo manipulation, graphic layout, while exploring exciting topics such as branding, advertising design, and creating compelling visuals for real-world scenarios. This course lays the groundwork for advanced studies in Graphics 11 and Graphics 12!

## **Graphic Arts 11** (AE)

Open to Grades 11-12

Learn how artists and designers use Adobe software such as Photoshop, Illustrator and InDesign to digitally draw and paint, compose posters, magazine covers and advertisements, creatively create and manipulate photographic images, and be innovative in the way they use type. Learn about colour theory and important design strategies. Students create an individual portfolio, which they may use for future employment/education opportunities.

## **Graphic Arts 12** (AE)

Open to Grades 11-12

*Foundation: Graphic Arts 11*

Extend learning from Graphic Arts 11 to create pieces that emphasize communicating for specific purposes, such as information posters, campaign posters, and product advertising. This course encourages independent thinking and teamwork and allows opportunities to create work for real clients. Bring other creative strengths to the course, such as photography, drawing, painting, sculpture, 3-D modelling, and creative story ideas. The ability to draw, work creatively, and think independently is encouraged, with an emphasis on developing a portfolio of original pieces.

**Photography 10** (AE) Open to Grades 9-12

This hands-on foundation course teaches basic beginner skills in digital photography, composition rules, depth of field with apertures, shutter speeds with movement, and emerging technologies. Students will have a chance to develop a magnitude of skills in camera settings, special effects, and how to create dynamic photographs and artwork. Digital cameras will be made available; however, you are also welcome to use your own digital camera.

**Photography 11** (AE) Open to Grades 10-12

*Foundation: Photography 10*

Improve and refine your basic photography skills. Learn how to take full control of the digital DSLR camera, carefully crafting every shot, in all kinds of light conditions. Gain experience with tripods, studio lighting, and lens attachments. Learn techniques and strategies to improve the quality of the photographs you take. Explore the essentials of photo editing, use a variety of important design elements and principles, and seek inspiration from the best photographers in history. Opportunities for an off-campus shoot will be provided. Photography 11 is a prerequisite for Photography 12. Cameras are provided for the course, although students are welcome to use their own DSLRs with manual settings.

**Photography 12** (AE) Open to Grades 11-12

*Foundation: Photography 11*

This advanced course builds on intermediate skills and knowledge gained in Photo 11 while working on self-directed projects. Explore photography as a powerful means of creative expression and narrative storytelling. Explore more image-making strategies and techniques and be introduced to a wider variety of equipment and a wider range of lighting challenges. Expect some innovative ways of manipulating digital images. There will be opportunities for an off-campus shoot, including at least one field trip. Presentation methods will be demonstrated to prepare work for critique. End the course with a portfolio of diverse professional-looking work and your own artist statement. Digital cameras will be made available; however, you are also welcome to use your own manual digital camera.

**Yearbook 11/12** (AE) Open to Grades 11-12

Join this engaging course to learn essential creative, journalistic, and critical thinking skills while providing a real-world experience that culminates in a published book! In this hands-on class, work with peers to document memorable events at Gleneagle, learn design and photography skills, and produce a stunning yearbook that reflects our school community. Gain practical experience in content creation, decision making, leadership, and event coverage, while honing your skills in reporting, writing, photography, and design. Computers and camera equipment are provided.

**NEW!!! Artistic Crafting & Textiles 11/12** (AE) Open to Grades 10-12

Artistic Crafting and Textiles invites students to explore the creative, cultural, and technical world of textile-based art and artistic crafting techniques. Students investigate the stories and traditions of crafting—how textiles, handiwork, and decorative arts have played meaningful roles in cultures around the world. We will work with techniques such as decorative painting, creative lettering, stenciling, printmaking, hand-sewing, paper cutting, and many other useful crafts. Students will blend hands-on skill building with developing competencies in planning, designing, constructing, finishing and reflecting on textile and mixed-media projects. Safety is a key component, especially when working with needles, cutting tools, heat-based equipment, and adhesives.

**Fashion Industry 12** (AE) Open to Grades 11-12

Opportunities for hands-on projects and interactions with industry experts! Explore fashion psychology and history, principles of design, the role of designers, fashion illustration, fashion production, promotion, retailing, and a multitude of fashion-related careers. Learn principles and elements of design and color theory for creating a wardrobe and understand marketing trends in the fashion industry. There are group and individual projects that explore individual fashion sense, styles, and current fashion trends. Maintain a fashion portfolio that may be used in interviews for future studies! Successful course completion may be advantageous for students seeking employment opportunities in one of BC's largest industries and for students applying to college and university fashion design/merchandising programs.

# BUSINESS EDUCATION

## **Keyboarding & Computer Applications 9**    Open to Grade 9

Looking to level up your tech skills and tackle the digital world like a pro? This course is your gateway to mastering tools you will use every day—whether in school, work, or life. Sharpen your typing speed and accuracy, explore creative ways to design eye-catching presentations, and learn the secrets to making polished documents and spreadsheets using Microsoft Office. Dive into design theories that will help you stand out in any project. This isn't just another class - it's your chance to think critically, be creative, and build skills that will give you a head start in today's tech-driven world. Ready to impress? Let's get started!

## **Business Computer Applications 11**    Open to Grades 10-12

Ready to take your digital skills beyond the basics? *BCA 11* expands your knowledge of advanced business tools and introduces essential skills for real-world success. This course also emphasizes practical money management by helping you build skills in budgeting, saving, and investing. Explore investment strategies, evaluate risks and returns, and understand how to grow wealth over time. Through the analysis of business case studies, apply these concepts to real-world scenarios, gaining insight into how companies and individuals make financial decisions. Alongside these financial skills, enhance your digital abilities by mastering tools like Microsoft Office, Canva, and Google Workspace to create polished, professional projects. Whether you're planning for post-secondary education, entrepreneurship, or the workplace, this course equips you with the critical thinking, creativity, and organizational skills to stand out in any field.

## **Marketing & Entrepreneurship 9**    Open to Grade 9

This introductory business course focuses on a variety of business principles and concepts. Learn about the risks and benefits of entrepreneurship, and the changing role of technology in marketing and promotions. Understand the importance of brand recognition, the 4 Ps of marketing, market segmentation, and the psychology of understanding consumer wants and needs. Use online technologies to market, finance, and measure business strategies. This course offers a solid foundation for students intending to take senior business education courses.

## **Marketing & Promotions 11 (ADST)**    Open to Grades 10-12

Interested in mastering the art of running a business? Look no further than Marketing 11—where students dive into a dynamic learning experience with a blend of theory and hands-on experience that allows them to build their very own business venture. Marketing 11 explores a captivating array of subjects, including how to build a powerful brand image, how to develop a powerful marketing mix, how to pinpoint target markets, and how to conduct environmental marketing analyses. Students will also delve into introductory consumer behavior, visual store & merchandise design, impactful advertising strategies, and so much more. Marketing 11 students leave the course with an improved ability to showcase their creativity, pitch innovative ideas, and craft comprehensive business plans from the project-based environment. Marketing & Promotions 11 mirrors the essential components of an introductory college or university-level marketing course, laying a strong foundation for your future entrepreneurial endeavors.

## **Digital Marketing & E-Commerce 12** (ADST) Open to Grades 11-12

In the dynamic realm of digital marketing, students embark on a journey exploring consumer behavior principles, digital marketing concepts, and UX (retail website) design concepts. Students begin by investigating consumer behavior principles that reveal the reasons behind the way businesses try to influence consumers' purchasing decisions. Students will then be introduced to digital marketing concepts that focus on the ever-changing landscape of online promotions, including social media and experiential marketing. Lastly, marketing students will evaluate UX design concepts that allow companies to deeply resonate with their target audiences by seamlessly integrating user-centered design principles throughout every aspect of their digital marketing endeavors. The course is designed with a focus toward project-based learning.

## **Accounting 11** (ADST) Open to Grades 10-12

Learn the fundamentals of accounting concepts for entry-level employment: the principles of accounting, source documents, and the accounting cycle, including analyzing and recording transactions, and preparing financial statements. Prepare neat and accurate records using the double-entry accounting method. Use MS Excel for formatting, record keeping, calculating using formulas, and solving simple financial business problems. If time allows, explore investing and budgeting. Confidently understand how a small service-based company manages its day-to-day finances.

## **Accounting 12** (ADST) Open to Grades 11-12

*Foundation: Accounting 11*

Build on the material learned in Accounting 11, with more advanced concepts like keeping records for merchandising businesses, bank reconciliation, payroll, and issues surrounding the various types of business organizations. Learn to use Sage 50 and QuickBooks, using realistic company data. If time allows, prepare personal tax returns in various scenarios. Develop analytical, decision-making, and communication skills. Great for students planning to pursue accounting, business management, or commerce careers, as well as those seeking employment in the business sector, or in managing personal finances.

# CAREER EDUCATION

## **Career Education 9**

Open to Grade 9

This provincially mandated course is designed to improve understanding of oneself, others, and the rapidly changing work force, and is based on the following components: Personal Development; Connections to the Community; Life and Career Plan. Students do not meet formally in a regular daily class, and the curriculum is integrated within their regular academic classes.

## **Career Life Education 10**

Open to Grades 10-12

Set goals for the year and complete personality inventories to explore post-secondary and career options. Develop employability skills, through resume and cover letter writing, as well as networking and interviewing skills. Learn basic financial terminology. Explore positive ways to manage stress and anxiety and improve mental health. This course is a provincial graduation requirement.

## **Career Life Connections 12**

Open to Grade 12

Based on three focused sections: Personal Development, Connections to the Community and Career Life Plan. Improve understanding of healthy work-life balance, community involvement, and social networking. Investigate potential education and career opportunities that promote lifelong learning. Students are required to complete 30 hours of work or volunteer experience, which may be completed anytime throughout Grades 10-12. This course is structured as online assignments outside the regular timetable and is a provincial graduation requirement. \*You do not need to include it in your course requests in MyEd as it will automatically be added to your timetable.

## **Capstone Project**

Open to Grade 12

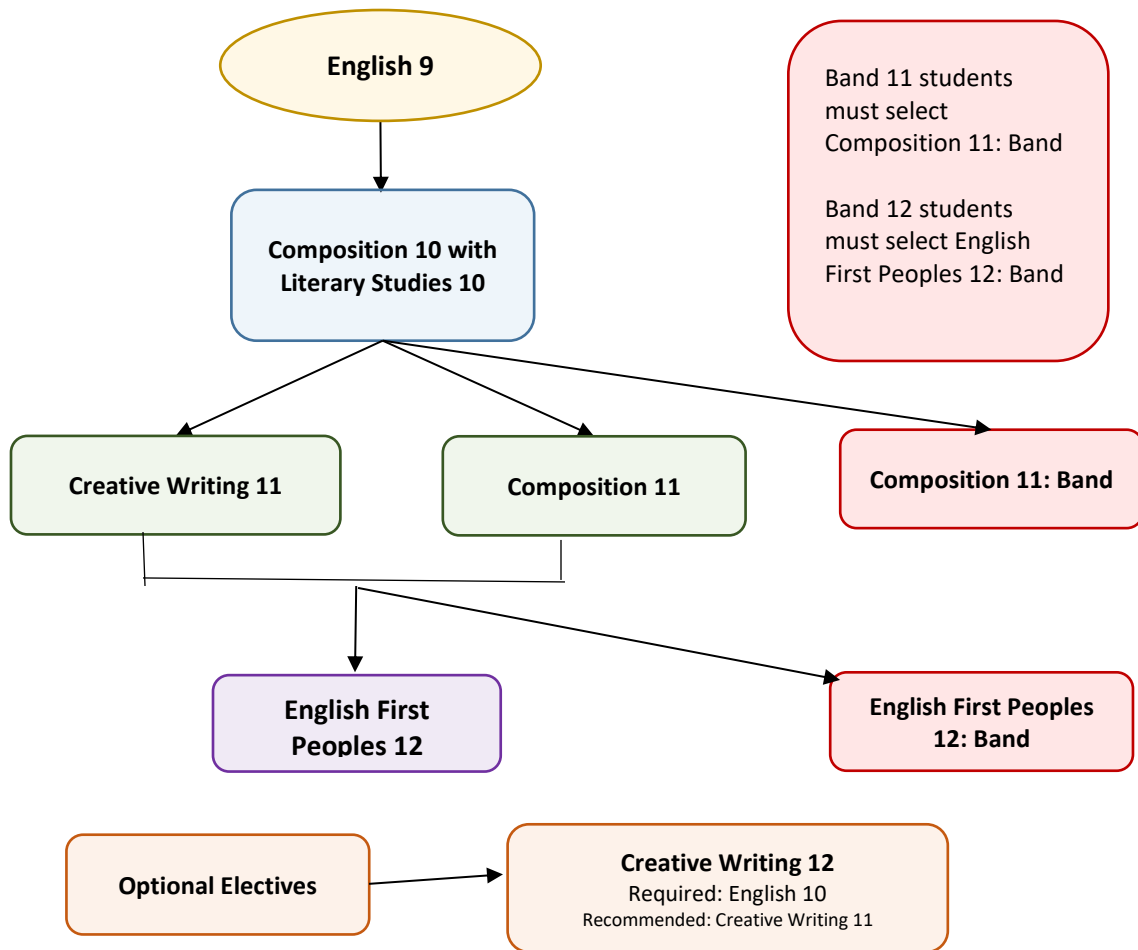
The Capstone Project is a required part of Career Life Connections 12. Design, assemble, and present a Capstone Project that will demonstrate your knowledge, competencies, and passion(s) as you integrate personal interests, strengths, and learning with your post-graduation plans. In the early stages of the new school year, students will be given more information on how to successfully complete Career Life Connections 12, including their Capstone project. For more information, see: <https://curriculum.gov.bc.ca/curriculum/career-education/clc/courses>

## **Work Experience 12** (ADST)

Open to Grade 12 (including students in the Mandarin Bilingual program)

Prepare for the transition from secondary school to the world of work, or further education and training, through career exploration in a chosen focus area. Students complete 25-30 hours of classroom instruction (during Y block after school in the fall) prior to completing 90 hours of work experience in a community setting (these hours are fulfilled outside of school hours e.g. evenings, weekends, Pro-D days, winter/spring break; students in the Mandarin Bilingual program require a Mandarin-speaking work setting). Students, with teacher support, will be responsible for finding a community placement in which to fulfill their 90 hours on a volunteer basis (it cannot be a paid job). The community placement then serves as the classroom, where students gain knowledge about the workplace and are provided with a frame of reference to review or revise their career goals.

# ENGLISH



Band 11 students must select Composition 11: Band

Band 12 students must select English First Peoples 12: Band

*English First Peoples 12 or BC First Peoples 12 (in the Social Studies section on page 28) will satisfy the new graduation requirement of having at least 4 credits from an Indigenous-focused course.*

*Students choose between two different English courses to take at the Grade 11 level, with each course equally able to prepare students for English First Peoples 12.*

*Creative Writing 12 is an elective course for those who wish to take an additional English course. It does not fulfill the English graduation requirement but does count towards elective credits.*

## English 9

Open to Grade 9

Students continue building communication, thinking, and personal and social skills developed from earlier language arts course as they explore fiction and nonfiction to help them understand themselves and the world around them.

## Literary Studies/Composition 10

Open to Grades 10-12

*Foundation: English 9*

Explore literature of a particular era, geographical area, theme, or literature in general.

## Composition 11

Open to Grades 11-12

*Foundation: English 10*

Continue to refine, clarify, and adjust written communication through practice and revision. Read and study works by other writers for their writing development. Expand competencies through drafting, reflecting, and revising.

\*Students taking **Band 11** must choose **Composition 11: Band** for their English 11 course.

## English First Peoples 12

Open to Grade 12

*Foundation: English 11*

The course is grounded in the First Peoples Principles of Learning and designed for all students who are interested in delving into First Peoples oral and written literature and visual texts in a range of media. A key feature of the course is its focus on authentic First Peoples voices.

\*Students taking **Band 12** must choose **English First People 12: Band** for their English 12 course.

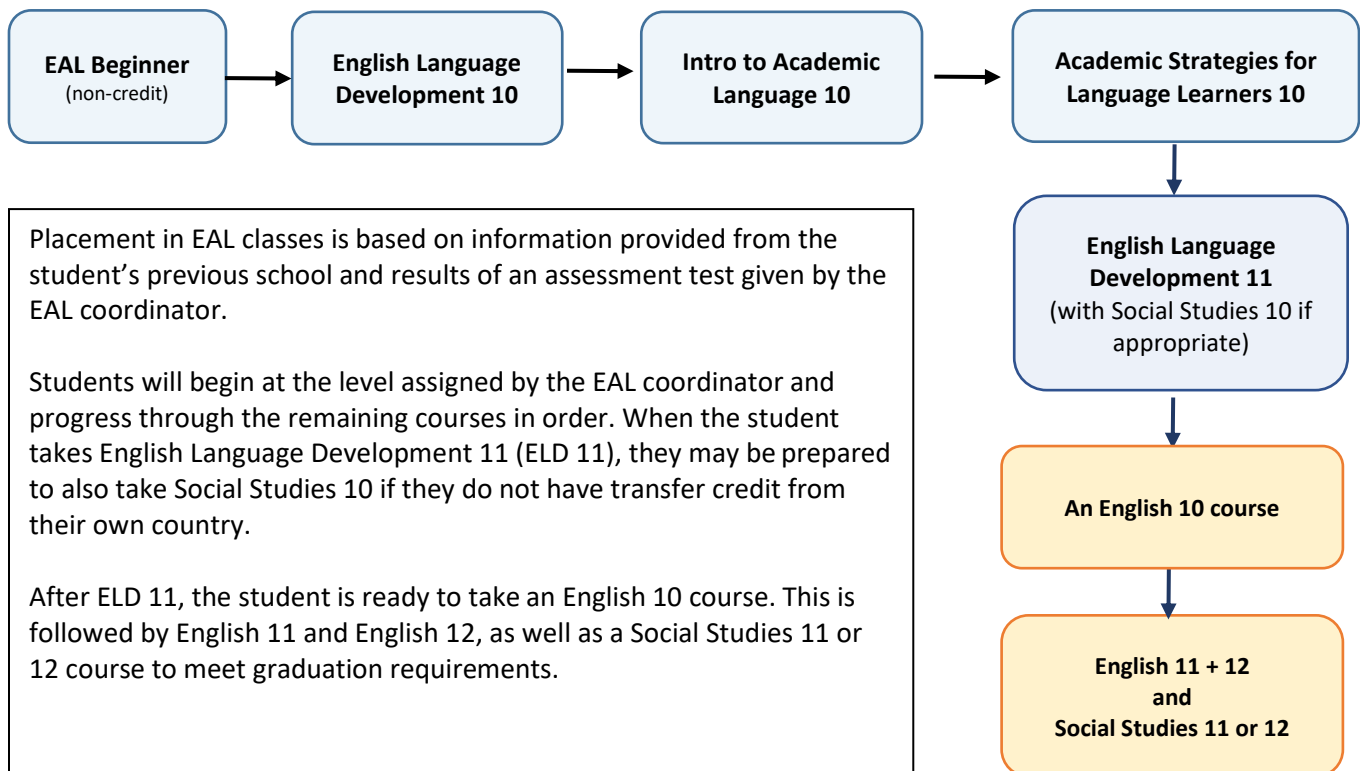
## Creative Writing 12

Open to Grades 11-12

*Foundation: Any English 10 completed. Creative Writing 11 is recommended though not required*

Compile a body of creative writing with opportunities to specialize in genres or forms and engage in the exploration of personal and cultural identities, memories, and stories, in a wide range of genres. **\*This course is an elective and does not fulfill the English graduation requirement.**

# ENGLISH AS AN ADDITIONAL LANGUAGE (EAL)



# HOME ECONOMICS

## **Food Studies 9/10** (ADST) Open to Grades 9-10

Learn the foundations of preparing nutritious and delicious snacks and meals. This course covers basic food safety, cooking terminology, and nutrition. Students participate in kitchen labs about twice a week and are encouraged to taste what they make so they can learn from the experience. Reflections are completed after each lab. The course follows a two-year cycle for variety so students can choose to take the course both years if they wish.

## **Food Studies 11/12** (ADST) Open to Grades 11-12

This advanced course builds new skills and techniques while exploring cuisines from around the world. Students develop abilities in advanced food preparation, sanitation, and Food Safe procedures. Kitchen labs run approximately twice a week, and students are invited to sample their creations to deepen their understanding of flavor and technique. Reflections follow each lab. The course follows a two-year cycle for variety so students can choose to take the course both years if they wish.

## **Culinary Arts 10** (ADST) Open to Grade 10

Learn the basics about best practices, safe food handling, and personal safety around equipment in the professional kitchen of our school cafeteria. Practice knife handling skills and techniques. Become knowledgeable in food service equipment, tools, and units of measurement. Understand types of culinary ingredients, various cooking techniques, and cooking cultural cuisine.

## **Culinary Arts 11** (ADST) Open to Grade 11

Cook in a setting comparable to a professional food service kitchen. Learn basic restaurant skills in safety and sanitation, operation and maintenance of large industrial equipment, and customer service. Experience food preparation such as baking, sandwich and salad making, short-order cooking, soups and sauce preparation, and cooking meat, fish, poultry, vegetable, pasta, and rice.

## **Culinary Arts 12** (ADST) Open to Grades 11-12

*Foundation: at least one of Culinary Arts 10 or 11, or Food Studies 10 or 11*

Build on the skills learned in Culinary Arts 11 with training in commercial quantity food production. Develop valuable skills which can be used to acquire a job and/or make career choices. Units of study include kitchen organization, use of industrial equipment, menu planning, safety and sanitation, counter and table service, as well as food preparation skills in baking, sandwich and salad making, short-order cooking, soups and sauce preparation, and cooking meat, fish, poultry, vegetable, pasta and rice.

## **Interpersonal and Family Relationships 11** (ADST) Open to Grades 10-12

Be a people person! Students seek to improve their understanding of themselves and others through exploration of relationships, stress management, self-concept, communication, lifestyle choices, and conflict resolution. Participate in discussions, listen to lectures, watch videos, take part in hands on activities and create keepsake projects such as a personal scrapbook (which can be useful for the future Capstone presentation, as part of [Career Life Connections 12](#)).

## **Child Development and Caregiving 12** (ADST) Open to Grades 10-12

An in-depth look at parenthood, infants, toddlers, preschoolers, and children in their early school years. Examine the physical, emotional, social, and intellectual development of each stage of child development. Along with theory, there are hands-on projects and interactions with young children. Students also have the option of participating in the Real Care Baby program (parenting simulation with a computerized baby) in which they experience parenthood firsthand.

# INFO TECH, MEDIA ARTS AND CHESS

## **Media Design 10** (ADST) Open to Grades 9-12

This creative course introduces learners to all aspects of digital arts within the Adobe Suite of programs and does not require any previous experience. You will have the creative space to develop an advanced digital skill set in image editing (Photoshop), graphic design (Illustrator), video editing (Premiere and After Effects), and advanced desktop publishing (In-Design).

## **Media Design 11** (ADST) Open to Grades 10-12

*Foundation: Media Design 10 or teacher permission*

In this class, we will explore more advanced techniques in image editing, photo manipulation, animation, video and audio editing using Adobe programs such as Illustrator, Premiere, and Audition. The class explores a wide range of other topics in the digital arts realm in a fun and creative way. It is recommended that students have some technical computer background, but this is not a specific course requirement.

## **Digital Film Making 11** (AE/ADST) Open to Grades 10-12

An introduction to the world of making movies. Develop skills in visual storytelling, script writing, storyboarding, effective camera use, and computer-based editing using Adobe Premiere. A minimum of four short projects will be collaboratively filmed, and each student will edit their own version. Students should be self-motivated and able to work both independently and in groups.

## **Digital Film Making 12** (AE/ADST) Open to Grades 11-12

*Foundation: Digital Film Making 11 or Media Design 11 or teacher permission*

Passionate and experienced filmmakers will write, direct, film, and edit to turn their dreams into reality. Time and project management skills are crucial in this course where students are given extensive autonomy. Students will work on three larger scale films from a variety of genres, including music videos, documentaries, experimental and narrative.

## **NEW!!! Chess 11** Open to Grades 11-12

This course introduces students to the strategic and cultural depth of chess and develops their understanding of the game. The curriculum covers the history of chess, etiquette, and the philosophies of strategy. Students will learn how to read and record matches while mastering opening, middle, and endgame theory. To apply these skills, the class includes frequent in-class tournaments and remote play through an online SD43 chess community. By the end of the course, students will not only be comfortable playing competitively but will also demonstrate how the logical, analytical, and creative thinking required in chess transfers to other academic subjects and daily life.

**Animation 11 (2D)** (ADST) Open to Grades 10-12

Animation 11 is a creative course that explores a wide range of topics in the field of 2D computer graphics and animation. We learn the animator's 'toolkit' and build competencies in drawing techniques and scene creation. We also cover techniques used by professional animators out in the industry in a fun and creative way. Some drawing skill / artistic ability would be beneficial, and we have a new set of digital drawing tablets that allow us to create more detailed compositions. Some of the programs that we use in the course include Animate CC, Audacity, Krita, Photoshop and Audition. Many students have used their seminal projects in film festivals, and to fulfill entry requirements for future studies in the animation field.

**Animation 12 (3D)** (ADST) Open to Grades 11-12

*Foundation: Animation 11 is recommended but not required.*

This creative course is designed for students who have an interest in 3D animation. We explore important topics such as character modelling, rigging, and scene creation with the goal of creating live action animations in a realistic 3D environment. We also explore texturizing, 'clay' modelling', materials, and special effects through the Blender 3D platform. Some background in animation or modelling principles would be an asset but is not required.

**Computer Programming 11** (ADST) Open to Grades 10-12

Learn the fundamental skills of programming. Delve into HTML5, CSS 3, Java, and Python in a fun and interactive way. We learn how to write software by creating a collection of applications that can run on any platform. We also investigate emerging fields of technology in areas such as AI and quantum computing. No previous coding experience is required.

**Computer Programming 12** (ADST) Open to Grades 11-12

*Foundation: Computer Programming 11*

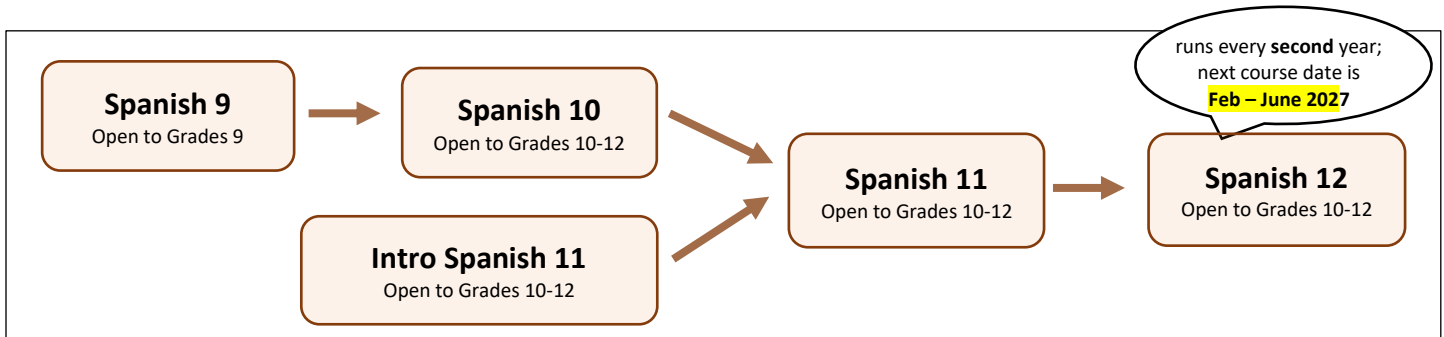
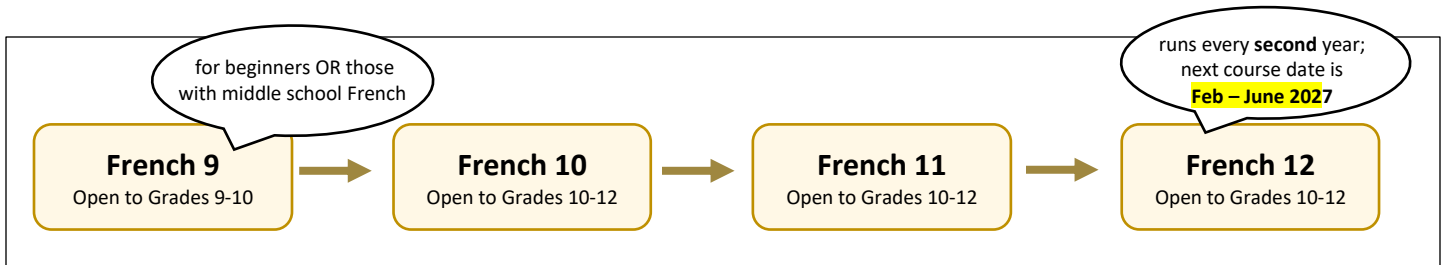
A more in-depth and comprehensive look at the languages and concepts covered in Programming 11. This course places more emphasis on JavaScript, Object Oriented Java, Python, and C#. Students create a diverse collection of apps that play games, tell stories, and do advanced computations. We also use the Raspberry Pi 'making kits' to make LED light displays and a range of devices and sensors.

**3D Game Design 12** Open to Grades 11-12

This creative fast-paced course teaches the fundamentals of 3D game design. By utilizing both Blender and Unity together, we create 3D games that are both innovative and original. We also learn how to construct landscapes, write player and game scripts in C#, create game assets, and learn the foundations of storytelling within a 3D gaming context.

# LANGUAGES

- A language is not required for graduation but could be required for some post-secondary programs in particular programs of study. It is the student’s responsibility to check post-secondary websites for admission requirements.
- **If you have some background knowledge in a language and wish to take a course, you must meet with the teacher to be assessed for the appropriate course level.** If you have no prior background knowledge, you need to start at an entry level course (either 9 or Intro 11) and progress in order from there.
- Intro 11 courses are intensive and fast-paced, covering the main content of the 9 and 10 classes in half the amount of time. This is an opportunity for students who did not take a language in Grade 9 to get the foundation needed for a language 11.
- Students will develop practical communication skills in a safe and fun environment through activities such as:
  - Reading menus, song lyrics, short stories, plays, magazines, blogs and other websites
  - Writing journals, short stories, skits and emails
  - Watching and listening to songs/music videos, movies, TV shows and YouTubers
  - Discussing our opinions and preferences, interpreting quotes, sharing interests and interviewing classmates



## Mandarin Bilingual Program—Students in the MB program will select the following courses:

- Grade 9: Mandarin 11(MB)
- Grade 10: Mandarin 12(MB)
- Grade 11: Asian Studies 12(MB)
- Grade 12: Work Experience 12, with a work placement in a Mandarin-speaking setting

# LEADERSHIP

## Leadership 10

Open to Grades 9-10

For Grade 9 and 10 students interested in developing leadership and team building skills. Learn about group processes, communication skills, organization skills, problem solving, and decision-making. Students will apply what they have learned by organizing, implementing, and evaluating student-oriented activities.

## Leadership 11/12

Open to Grades 11-12

*Foundation: Prior leadership experience is recommended but not required*

Build self-awareness and maturity through event planning, team building, and experiential activities. Identify and explore your leadership style. Getting the most out of this course requires honesty, participation, dedication, and risk taking. Students lead and initiate events to improve their leadership skills and apply them to demonstrate success.

## Technology Leadership 11/12

Open to Grades 11 -12

*Foundation: Teacher approval required; teacher will review names after the course requests have been submitted.*

This course is ideal for students who have a passion for technology and want to build their leadership skills by improving the Gleneagle technology experience for staff and students. This includes troubleshooting technical problems, creating guides, and working in classrooms. Training will be provided; however, comfort with technology and learning new skills is an asset for the course. A strong work ethic with the ability to be self-directed is important for Tech Leadership as you will have the opportunity and time to create and complete your own independent technology project.

For more information, please visit the library or email Ms. Roberts at [reroberts@sd43.bc.ca](mailto:reroberts@sd43.bc.ca).

## Con X 11/12

Open to Grades 11-12

*Foundation: By application only; see Mr. Hayes in Room 120 for the application form. Grade 12 students must still have a minimum of 7 courses in the regular timetable.*

\*This Independent Directed Studies (IDS) takes place outside the regular timetable; students meet as a group once per week to focus on event planning, leadership skills, and team building. Con X will focus on developing ambassadors for both the school and local community. Students will be responsible for planning and delivering group projects, completing a minimum of 30 service hours, and providing leadership support to formal and informal school events.

## Peer Tutoring 11/12

Open to Grades 11-12

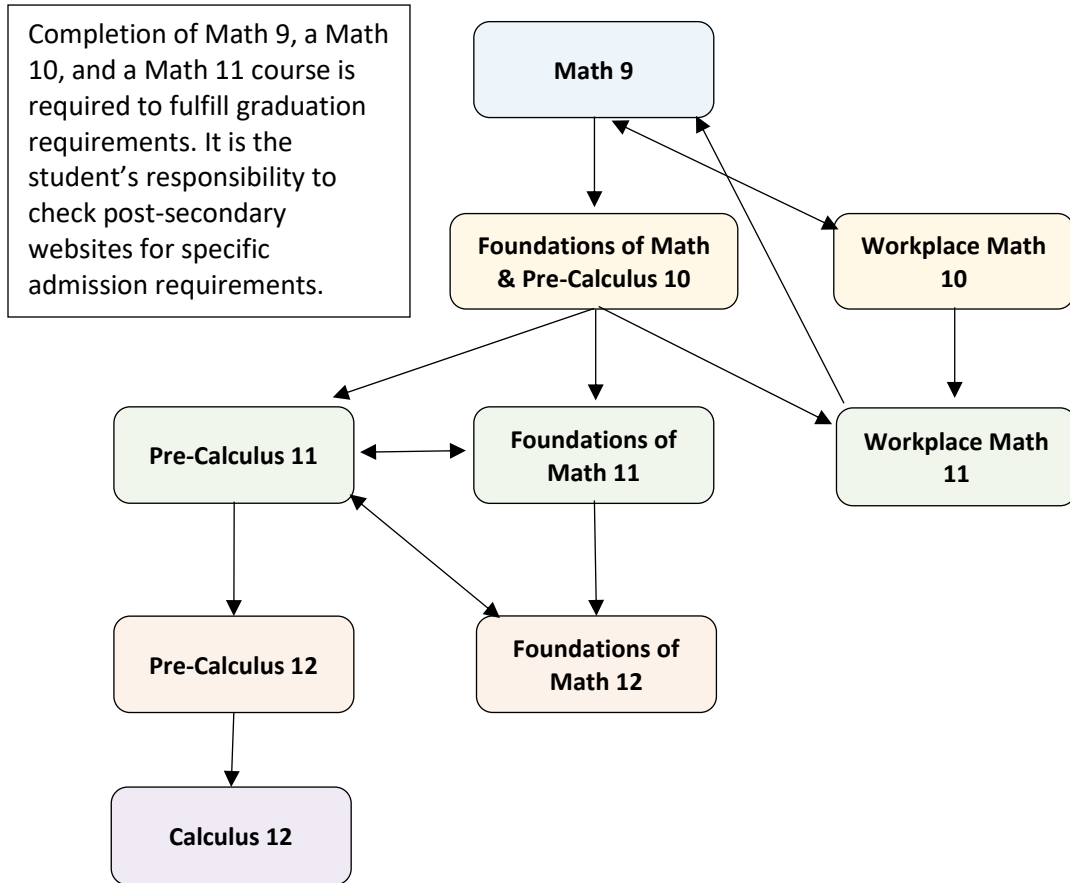
*Foundation: Teacher approval required; teacher will review names after the course requests have been submitted.*

Experience what it is like to teach and grow as individual learners by helping others! You will be assigned to a class and work with that teacher to help teach and mentor other students. Peer tutors should possess initiative, responsibility, patience, empathy, effective problem-solving skills, and strong work habits. In this course, peer tutors will be expected to demonstrate flexibility, enthusiasm, understanding, and strong interpersonal skills. Students will be required to maintain a reflective journal of their work and investigate a learning issue relative to the students they are supporting; these assignments will be submitted throughout the course via MS TEAMS.

NOTE—you will be matched with a class by the Peer Tutor teacher based on your interests, available block, and teacher requests. You may NOT make your own arrangements with a specific classroom teacher to tutor in their class.

**Athletic Leadership 11/12** see [page 25](#)

# MATH



## Math 9

Open to Grade 9

Review and extend the concepts introduced in Math 8: number operations, patterns and relations, shape and space, and statistics and probability. Increase math literacy and become effective problem solvers in all areas of mathematics. Successful completion of this course will lead to Foundations of Mathematics and Pre-calculus 10.

## Foundations of Math & Pre-Calculus 10

Open to Grades 10-11

*Foundation: Math 9 (recommended Developing or better; or possibly Workplace Math 11, with both teacher and counsellor approval)*

Covers topics such as factors, irrational numbers and radicals, rational powers and exponents, polynomial expressions, relations and functions, statistics, and finance. A fundamental focus will be to increase math literacy and encourage students to become effective problem solvers in all areas of mathematics. Access to a scientific calculator is necessary.

## Workplace Math 10

Open to Grades 10-11

*Foundation: Math 9*

Covers practical topics such as imperial measurement systems and unit conversion, primary trigonometric ratios and the Pythagorean Theorem, surface area and volume of geometric shapes, income and salary computations, averages, and probability. Calculators will be used to develop concepts and aid in computations. \*Please note that all universities and some college programs will not accept Workplace Math as an admissions requirement.

## **Foundations of Math 11**

Open to Grades 11-12

*Foundation: Foundations of Math & Pre-Calculus 10*

Covers topics such as measurement, linear and quadratic functions, geometry, statistics, and logical reasoning. This course is meant to be a background course for Foundations 12 (not for Pre-Calculus 11). \*This course will not meet post-secondary admission requirements in programs such as math and science fields but may be accepted for fields such as humanities or fine arts. Students should check post-secondary admission requirements carefully before deciding on a Math 11 course.

## **Pre-Calculus 11**

Open to Grades 11-12

*Foundation: Foundations of Math & Pre-Calculus 10 (recommended 75% or better)*

Covers advanced algebra topics, including radical and rational equations, quadratic functions, absolute value, and trigonometry. \*Pre-Calculus 11 and/or 12 courses meet admission requirements for post-secondary programs that require the study of theoretical calculus. This might include mathematics, sciences, engineering, and commerce. Students should check post-secondary admission requirements carefully before deciding on a Math 11 course.

## **Workplace Math 11**

Open to Grades 11-12

*Foundation: Foundations and Pre-Calculus 10 or Workplace Math 10*

Covers topics including financial literacy, personal investments, loans, and budgeting; rate of change; the ways in which probability and statistics are used in different contexts; interpreting graphs in society; and 3D objects, angles, views, and scale diagrams. Emphasis is on practical skills with the use of calculators. This course is a natural progression from Workplace Math 10 and is also recommended for students who received less than 60% in Foundations and Pre-calculus Math 10. \*Please note that all universities and some college programs will not accept Workplace Math as an admissions requirement. Students wishing to apply to a post-secondary program should check requirements carefully.

## **Foundations of Math 12**

Open to Grades 11-12

*Foundation: Foundations Math 11 or Pre-Calculus 11 (recommended 73% or better in either one)*

Topics include graphical representations of polynomial, logarithmic, exponential and sinusoidal functions, combinatorics, and probability. \*This course will not meet post-secondary admission requirements in programs such as math and science fields but may be accepted for fields such as humanities or fine arts. Students should check post-secondary admission requirements carefully before deciding on a Math 12 course. At least a B in either Foundations 11 or Pre-Calculus 11 is recommended.

## **Pre-Calculus 12**

Open to Grades 11-12

*Foundation: Pre-Calculus 11 (recommended 80% or better)*

A continuation of Pre-Calculus 11 (exponential, logarithmic and polynomial functions, trigonometry, and combinatorics). Success in Pre-Calculus 12 requires excellent study skills and a solid foundation in Pre-Calculus 11. It is a very fast-paced course and should primarily be considered by students pursuing direct entrance to university science, engineering, mathematics, or commerce programs. This course is a pre-requisite for Calculus 12.

## **Calculus 12**

Open to Grade 12

*Foundation: Pre-Calculus 12 (recommended 80% or better)*

Designed for students who intend to take Calculus at the post-secondary level. Topics include functions, limits, derivatives, and integrals. This is a fast-paced and rigorous course.

# MUSIC

## **Beginner Guitar 11** (AE) Open to Grades 9-12

Learn basic chord patterns in folk, pop, and rock styles, rudimentary music theory, note reading, tablature, rhythmic skills, basic finger picking patterns, various left-handed techniques, and some forms of melodic/harmonic styles of guitar playing. Emphasis on ensemble playing and performing in genres of interest. Guitars will be provided for classroom use.

## **Band 9/10/11/12** (AE) Open to Grades 9-12

*Foundation: Previous experience is recommended but not required for entrance into Band 9; joining Band once in a higher grade is by teacher permission*

Band classes are performance-based courses and involve instrumental technique, performance technique, music theory and history as they relate to the music being studied. Students are required to attend all scheduled performances and any extra rehearsals. Performance opportunities include school concerts, district events, music festivals, and concerts in our community. During the springtime, every other year, there are opportunities for an optional international trip! The Music Department has travelled and performed in Disneyland (California), New York City and Cuba to name just a few.

## **Choir 9/10/11/12** (AE) Open to Grades 9-12

\*This is an additional elective as it occurs outside the timetable. Please note that all choral students must complete a brief voice placement audition (Soprano, Alto, Tenor, Bass). Classes are performance-based courses and cover vocal production, music reading and part-singing, with increased opportunities for solo work at higher grade levels. Students are required to attend all scheduled performances and any extra rehearsals. Performance opportunities include school concerts, district events, music festivals, and concerts in our community. During the springtime, every other year, there are opportunities for an optional international trip! The Music Department has travelled and performed in Disneyland (California), New York City and Cuba to name just a few.

## **Jazz Band 9/10/11/12** (AE) Open to Band students in Grades 9-12, by audition

*Foundation: Must also be registered in the Band class appropriate to their grade level*

\*This is an additional elective as it occurs outside the timetable. All new students must make an appointment with Mr. Trovato (etrovato@sd43.bc.ca) for an audition before signing up. Space is limited and is only available for: saxophone, trombone, trumpet, piano (jazz), electric guitar, electric bass guitar and drums. Studies focus on developing technique, ensemble playing, and exploring the structures of jazz music. Opportunities for solo improvisational work will be available. As part of the course expectations, all students are required to attend all scheduled rehearsals and performances.

## **Vocal Jazz 9/10/11/12** (AE) Open to Choir students in Grades 9-12, by audition

*Foundation: Must also be registered in the Concert Choir class appropriate to their grade level*

\*This is an additional elective as it occurs outside the timetable. All new students must make an appointment with Mr. Trovato (etrovato@sd43.bc.ca) for an audition before signing up. Space is limited. Vocal Jazz is an opportunity to explore other musical styles, and the material is much more challenging than in a Concert Choir class of the same level. This course focuses on specific vocal production, close harmony singing, microphone technique, jazz styles, and the history and context of the jazz tradition. Students may also learn basic improvisation skills. As part of the course expectations, all students are required to attend all scheduled rehearsals and performances.

# PHYSICAL AND HEALTH EDUCATION

## **Physical and Health Education 9**    OR    **Physical and Health Education 9: Band**    open to Grade 9

PHE 9 is part of the K-12 curriculum and is designed to develop educated citizens who have the knowledge, skills, and understanding to be safe, active, and healthy citizens throughout their lives. It includes a wide variety of team, partner, and individual activities with emphasis on basic skill development, fitness, sportsmanship and fun. PHE 9 also has a health component to support lifelong physical and mental well-being, including short/long term consequences of health decisions, including those involving nutrition, protection from sexually transmitted infections, eating habits, exercise patterns and sleep routines. Students taking Band 9 select the PHE 9: Band option and alternate daily between PHE and Band throughout the school year.

## **Physical and Health Education 10**    OR    **Physical and Health Education 10: Band**    open to Grades 10-12

*Foundation: Physical and Health Education 9*

PHE 10 is a part of the K-12 curriculum and is designed to develop educated citizens with more advanced skill development and game strategies that will be taught during individual, partner, and team activities with a focus on sportsmanship and fun. The health component will explore topics such as responsible behaviors, nutrition, first aid (including CPR and defibrillators), exercise patterns, sleep routines, eating habits, and a personal wellness plan. Students taking Band 10 select the PHE 10: Band option, alternating daily between PHE and Band class throughout the school year.

## **Fitness and Conditioning 11/12: Weight Training**    Open to Grades 11-12

Maintain or enhance personal fitness through a variety of activities at different intensity levels. Introduction to basic weight training principles and the components of physical fitness: muscular strength, muscular endurance, flexibility, body composition, and cardiorespiratory endurance. Includes endurance training, circuit training, strength training, pyramid training, and supersetting. The Optimum Performance Training model is used to introduce proper training techniques. Topics include anatomy and physiology, principles of movement, cardiorespiratory training principles and program design, nutrition, healthy eating, body weight management, and exercise safety.

## **Active Living 11/12**    Open to Grades 11-12

*Foundation: Physical and Health Education 10.* There is a course fee of \$55 to cover costs associated with community activities off-site.

Develop social, mental and physical competencies, increase confidence, and develop lifelong participation habits in sports and recreation. Enjoy a variety of traditional and non-traditional sports along with recreational opportunities to enhance athletic skills and well-being. Topics include proper nutrition, personal health decisions, physical/mental well-being, and injury prevention and management. You will be expected to complete 10 volunteer hours. Examples of field trip opportunities for this course may include bowling, skating, frisbee golf, rock climbing, and more.

## **Fitness and Conditioning 11/12: Aerobics**    Open to Grades 9-12

Note: There is a course fee of \$55 to cover costs associated with community activities off-site.

This course is designed to encourage both active and non-active teenage girls to participate in a wide variety of fun-filled supportive fitness and recreational activities. The focus will be on developing personal fitness as well as positive self-esteem. Training includes Pilates, weight training, circuit training, running, hiking, yoga, aerobics, step aerobics, walking, etc. Throughout this course students will also have opportunities to explore issues relating to women in sport, recreation, health & fitness. For Grade 9 and 10 students, this course is in addition to your required PHE class.

## Fly Fishing 11

Open to Grades 10-12

**Foundation:** A valid British Columbia Freshwater Angling License is required for students that are 16 years of age and over. A cost of \$75.00 is associated with this course for transportation costs.

Fishing isn't a matter of life and death; it is more important than that! This course will introduce you to the amazing outdoor pursuit of fly fishing. Learn the rules and regulations that govern fishing and learn specific skills like how to cast a fly rod, how to tie and create your own flies, and best of all, how to catch fish here in British Columbia! Field trips will be part of the course to put what you learn into practice. The main purpose of the course will be to gain a deep understanding of our role as stewards or protectors of our amazing fish and wildlife resources.

While no special or previous training is required, some equipment is essential. Students will be supplied with rods, reels and lines and limited amounts of specialized equipment such as waders and wading boots, however, it is helpful if students own or borrow their own equipment.

## Athletic Leadership 11/12

Open to Grades 10-12

**\*This is an additional elective as it occurs outside the timetable and will require time commitments at lunch and after school throughout the year.**

Athletic Leadership is a combination of face-to-face learning within the classroom as well as project-based learning outside the classroom. Students will help with the coordination and running of athletic events and will be involved in sponsoring a Gleneagle sports team through various management duties, as well as promoting team events in each athletic season. Students will also assist with intramural activities at lunchtime and prepare the Athletic Banquet at the end of the school year.

## **NEW!!!** Optimizing Athletic Performance 11/12

Open to Grades 10-12

**\*This is an additional elective as it occurs outside the timetable and will require regular attendance at 7:45 am, 2-3 times per week, for the full school year.** There is a course fee of \$100 to cover costs of field trips and guest speakers/coaches.

Are you a dedicated athlete who wants to take your game to the next level? This course is for motivated student-athletes who want access to high-level, sport-specific training and support. You will use tools such as functional movement screening, performance testing, and video analysis to understand your strengths and identify areas for improvement.

You will also explore key topics that impact long-term success in sport, including injury prevention and rehabilitation, effective coaching, sport psychology, performance analytics, and university recruitment pathways. Learning happens through interactive classroom sessions, hands-on training, guest speakers, and field trips that connect you with experts and real-world athletic environments.

# SCIENCE

## Science 9

Open to Grade 9

Topics include reproduction, atoms, elements, compounds, electricity, matter, and energy cycles. Investigative activities include laboratory investigation, case studies, small group work, and project work.

## Science 10

Open to Grades 10-12

*Foundation: Science 9*

Topics include genetics, chemical reactions, radioactivity, energy transformations, and the formation of the universe. Exploratory activities include laboratory investigation, class discussions, demonstrations, and case studies.

## Science for Citizens 11

Open to Grades 11-12

*Foundation: Science 10*

A hands-on, practical course to increase scientific literacy. Examine the interrelationships between the environment, science, and society. \*Please note that while this course does meet graduation requirements and is accepted for admission to some college programs, it usually does not meet admission requirements for direct entry to university.

## Chemistry 11

Open to Grades 11-12

*Foundation: Science 10 and a Math 10 course*

A quantitative study of matter, chemical reactions, solutions, and organic chemistry. Investigate the relevance of chemistry to human health, society, and the environment. Strong math skills are required in this course.

## Environmental Science 11

Open to Grades 11-12

*Foundation: Science 10*

Study ecosystems, environmental issues, and ways we can get involved in ecosystem stewardship and restoration. We will focus on our local environment and get outside for labs and field trips. This is a great course for anyone who wants to learn more about environmental issues and our local ecology.

## Life Sciences 11 (previously Biology 11)

Open to Grades 11-12

*Foundation: Science 10*

Explore life through interactions at the molecular and cellular level, evolution at the population level, and how organisms are grouped based on common characteristics. Includes labs and dissections such as squid and grasshopper.

## Physics 11

Open to Grades 11-12

*Foundation: Science 10 and a Math 10 course*

Study motion, forces, energy, waves, and circuits. This is an applied math skills course and requires strong logical reasoning and problem-solving abilities.

## **Chemistry 12**

Open to Grades 11-12

*Foundation: Chemistry 11*

Explore how atoms, molecules, and ions interact. Experiment with the rates of chemical reactions, chemical equilibrium, analysis of ions in solution, acid-base chemistry, and electro-chemistry. Gain understanding of the importance of chemistry in the modern world. Strong math skills are required in this course.

## **Anatomy and Physiology 12** (previously Biology 12)    Open to Grades 11-12

*Foundation: Chemistry 11 is recommended, but not required*

Topics include homeostasis, physiological processes, gene expression, and organ systems. This course is supported through labs and may include an opportunity for dissection of a fetal pig.

## **Physics 12**

Open to Grades 11-12

*Foundation: Physics 11 and either Pre-Calculus 11 or Foundations of Mathematics 11*

Study relative motion, linear motion and circular motion, gravitational, electric and magnetic fields, and momentum. This is an applied math skills course and requires strong logical reasoning and problem-solving abilities.

# SOCIAL STUDIES

*BC First Peoples 12 or English First Peoples 12 (in the English section on [page 14](#)), will satisfy the new graduation requirement of having at least 4 credits from an Indigenous-focused course.*

---

## **Social Studies 9**

Open to Grade 9

Focus on social change and revolutions between the years of 1750 and 1919, as well as a focus on Canadian history with topics such as First Peoples, European exploration, the establishment of Upper and Lower Canada, Confederation, the Red River Rebellion, and BC history.

## **Social Studies 10**

Open to Grades 10-12

*Foundation: Social Studies 9*

Explore Canada and its place in the world, including Canadian identity, the impact of global events on Canadian history and the development of political institutions. Topics include Canada's role in World Wars I and II and beyond, Quebec's place in Canada, multiculturalism, and our relationship with the United States.

## **NEW!!! Explorations in Social Studies 11**

Open to Grades 11-12

*Foundation: Social Studies 10*

*\*This course DOES meet the Social Studies 11/12 credit required for graduation!*

Explorations in Social Studies 11 provides foundational skills and is an opportunity to sample some of the curriculum taught in the Grade 12 courses. Through a variety of lesson structures, projects and learning activities, you will explore a range of topics such as Law, BC First Peoples, Economic Theory, History, Geography and Philosophy.

## **BC First Peoples 12**

Open to Grades 11-12

*Foundation: Social Studies 10*

Explore the identities and worldviews of B.C. First Peoples, traditional territories, and their relationship to the land. Oral tradition and culture will be investigated and explored through engaging activities. Colonial acts will be investigated through political, economic, social, and environmental lenses and their effects on B.C. First Peoples. Policies and practices that have affected B.C. First Peoples will also be addressed, in addition to current issues in news and media. We will also study how identities, world views, and languages of B.C. First Peoples are renewed, sustained, and transformed through their connection to the land. Students will gain a thorough understanding of how cultural expressions convey the richness, diversity, and resiliency of B.C. First Peoples.

## **Economic Theory 12**

Open to Grades 11-12

*Foundation: Social Studies 10*

Study issues such as inflation, unemployment, investment, trade, and taxation. Examine government policies and the relationships between individuals, businesses, and governments. Emphasis is placed on current international and national issues, and the impact of a global economy on Canadians. Explore Marxist economics; neoclassical economics and theories of markets; Keynesian theory of money, investment, and cycles; and contemporary economic thought.

*\*This course is Economic Theory 12, so it does meet the Social Studies graduation requirement (unlike Economics 12).*

## **20th Century History 12**

Open to Grades 11-12

*Foundation: Social Studies 10*

Learn about compelling world events of the 20th century. Highlights include the causes and central events of both World War I and II, the rise and fall of communism in Russia and fascism in Germany, the advent of the Cold War, and formative events in China, India, South Africa and the Middle East. Learn about those who have shaped our world, from Hitler to Stalin to Gandhi to Mao and others.

## **Law Studies 12**

Open to Grades 11-12

*Foundation: Social Studies 10*

Learn about the Canadian Justice System. Topics include: the origins, history and purpose of law; the Canadian Charter of Rights and Freedoms; criminal law and criminal offences; bringing the accused to trial; trial procedure; the Criminal Code of Canada; drug use; and policing and police procedures. Includes research and discussion of current law-related issues in Canadian and international law, including political, social, and culturally based issues. Students are expected to participate in class discussions and assignments. Guest speakers will be invited to the classroom where applicable, and students will also visit the B.C. Provincial Court in Vancouver to view court proceedings.

## **Philosophy 12**

Open to Grades 11-12

*Foundation: Social Studies 10*

A conceptual and thematic course to support continued development with critical thinking, creative thinking, and communication, while exploring current and ancient ideas about knowledge, reality, morality, logic, and political philosophy. Students are pushed to thoroughly examine issues from all possible angles and to always keep an open mind. This course is largely discussion-based, with supplemental reading and journal responses.

## **Physical Geography 12**

Open to Grades 11-12

*Foundation: Social Studies 10*

Explore physical processes affecting the earth in the past, present and future: plate tectonics, volcanism, earthquakes, erosion, climate, weather, map skills, vegetation, and soils. Understand resources and resource management and people's interaction with ever-changing environments. Quizzes, projects, essays, tests, assignments, as well as labs and field studies are included in the evaluation.

# TECHNOLOGY EDUCATION

*\*Some courses have an additional enrichment fee to allow students to keep projects and use higher quality materials.*

## **Woodwork 9** Open to Grade 9

Create projects such as wooden puzzles, models, games, toys, and tableware. Learn safety procedures for working with tools and equipment. Includes teamwork, design, problem solving, and independent project work. After mastering basic projects, you will learn to sketch, plan, and produce cutting lists to move onto more advanced projects.

## **Woodwork 10** (ADST) Open to Grade 10

Suitable for first time students or those who have previously taken Woodwork 9 and want to further develop their woodworking skills. Projects will be adjusted based on your previous experience.

## **Woodwork 11** (ADST) Open to Grades 11-12

Focus on teamwork, project design, problem solving, computer applications, and independent project work. Engage in more complex levels of project design, prototypes, machine applications, and systematic planning. Solve challenges related to wood joinery and project development such as boxes, clocks, lamps, bookcases, and furniture. Make personal connections with your own interests and be creative. Materials must be purchased for larger personal projects.

## **Woodwork 12** (ADST) Open to Grades 11-12

### *Foundation: Woodwork 11*

Design and construct complex wood projects. Organizational skills, planning, and knowledge of advanced machine setups are used to address design challenges and individual project development. Learn the care of hand tools and maintenance of woodworking machines. Teamwork, planning, and problem solving will all be used in the design process. Become deeply involved in your own projects with the selection of wood types, joinery methods and finishing. Materials must be purchased for larger personal projects.

## **Technology Explorations 9** Open to Grade 9

Get the keys to the tech kingdom! Explore the basics of everything the shop has to offer, from tools and machinery to the wonders of 3D printers and welding. It's a tech buffet to sample everything and then choose the direction that interests you. Want to dive into 3D printing and create some mind-blowing designs? Interested in the art of welding and shaping metal into something epic? Pick up skills you need to conquer real projects. Whether it's fixing things, drafting designs, crafting with wood, or diving into the intricacies of applied mechanical engineering, you'll have the tools and knowledge to make it happen. In Tech Explorations 9, the learning is tailored to your interests and projects so let the tech journey begin!

## **Technology Explorations 10** (ADST) Open to Grade 10

Tech Explorations 10 can be a continuation of Tech 9 or an entry course! Enjoy a thrilling journey doing cool stuff with metal, electronics, drafting, 3D printers, Arduino controllers, plastic, and wood. It's all about building and making things, exploring all the possibilities. Let your creativity flow, from crafting contraptions to making jewelry. You might even get a taste of robotics and other cool applied science projects. If you're into creating, experimenting, and exploring the tech world, this is the perfect gateway to a world of innovation and hands-on learning. Join us for an adventure like never before!

**Skills Exploration 11**

(ADST)

Open to Grades 11-12

Get hands-on experience in different trades, such as carpentry, electrical, or plumbing! Learn skills such as framing a basic structure, basic electrical wiring, and installing plumbing fixtures. This course is of great benefit if you are interested in starting your apprenticeship while in high school through the dual-credit Train in Trades programs. Learning these skills will also save you money in the future with “do-it-yourself” home maintenance projects!

**Automotive Technology 11**

(ADST)

Open to Grades 11-12

This is a fun, hands-on course for everyone—no experience required. Explore how modern vehicles work through real applied science and engineering as you take apart brakes, test electrical circuits, and solve mechanical problems using real tools on real cars. You’ll learn practical skills that build confidence, independence, and teamwork while gaining knowledge you will use for the rest of your life. Whether you’re curious about technology, interested in trades or engineering, or simply want a useful and engaging elective, Auto 11 is an exciting and welcoming place to start.

**Automotive Technology 12**

(ADST)

Open to Grades 11-12

*Foundation: Automotive Technology 11*

Auto Tech 12 takes your skills to the next level with deeper mechanical, electrical, and diagnostic challenges. You’ll explore advanced applied science and engineering concepts as you work with scan tools, diagnose real vehicle problems, and service systems such as brakes, engines, suspension, and charging/starting circuits. This course builds confidence, critical thinking, and technical ability in a supportive, inclusive shop environment. Whether you’re considering engineering, the automotive trades, or just want to master practical skills for life, Auto 12 offers an exciting, hands-on experience that prepares you for the future.

# THEATRE

## **Drama 9**

Open to Grade 9

An introduction to the fundamentals of acting and performance. Rehearse and perform several scripted plays, monologues, and small scenes. Perform at public evening events including class plays.

## **Drama 10** (AE)

Open to Grade 10

Suitable for first time actors or students who have taken Drama 9 and want to do a bridge to Drama 11. Participate in several scripted plays, monologues, and small scene work. This course involves several evening public performances.

## **Drama 11** (AE)

Open to Grades 11-12 (and interested Grade 10s if they have taken Drama 9)

Rehearse and perform several scripted plays in a highly creative atmosphere. Students increase their range of experience and skills while maximizing their stage experience through diverse opportunities. In addition to comedy and drama, students will complete short units on stage combat and fight choreography, improv, and an introduction to acting with classical text.

## **Drama 12** (AE)

Open to Grades 11-12

*Foundation: Drama 10 or 11*

For students who are serious about acting. Build on the skills learned in Drama 11 (see above), in addition to preparing for mock TV auditions. Students have the chance to meet with theatre industry professionals for career and/or post-secondary guidance.

## **Musical Theatre 10/11/12** (AE)

Open to Grades 9-12, by audition

*Foundation: Students must audition for this course in September*

\*This is an additional elective as it takes place outside the timetable (after school) and is an auditioned course. Learn the basics of auditioning, choral and solo singing, choreography, some history and theory, and basic stage makeup. Actors must be prepared to dance, sing, and act in one major musical. Previous experience is an asset but not required. There will be several evening performances, so actors should be ready to make an extensive commitment.

## **Theatre Production 10/11/12** (AE)

Open to Grades 9-12

\*This is an additional elective as it takes place outside the timetable (after school). Students are involved in producing the Musical Theatre show by taking on lighting, sound mixing, costuming, prop creation, and front-of-house duties. This is a physical course that involves the use of both power and manual equipment.

# “Youth TRAIN in Trades” Programs

visit [43Careers.com](http://43Careers.com) or email Ben King at [bking@sd43.bc.ca](mailto:bking@sd43.bc.ca)



Trade Name	Program Details				
	Usually taken in	Student Cost	Length, Intakes & High school Credits	Location of Program	Pre-requisites
Aircraft Maintenance Engineer (Cat “M”)	Grade 12	= \$600	Intakes: Aug, Jan & May 16 weeks 16 credits	BCIT - Richmond (near South Terminal airport)	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li>Auto 11 and ideally Auto 12 (or related experience)</li> <li>Physics 11</li> <li>any Math 11 (C+)</li> <li>pass BCIT <a href="#">Mechanical Reasoning Assessment</a></li> </ul>
Appliance Service Technician	Grade 12	= TBD	Intakes: Sept & Apr 39 weeks 40 credits	KPU - Cloverdale	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li>Electricity 10, 11 or 12 <u>or</u> a Robotics class</li> <li>Chemistry 11 and/or Physics 11</li> </ul>
Automotive Service Technician	Grade 12	= \$400	Intake: Feb all of semester 2 16 credits	Centennial	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li>any Math 11 (C+)</li> <li>Auto 11 and Auto 12 (C+), <b>or</b> Auto 11 (B) and Physics 11</li> </ul>
Auto Collision & Refinishing Tech	Grade 12	= \$1,800	Intakes: Sept + Feb VCC - 35 weeks (28 credits) BCIT – 40 weeks (32 credits)	VCC – Broadway BCIT - Burnaby	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li>any Auto 11 class (recommended)</li> <li>any Metal/Weld class (helpful, not necessary)</li> </ul>
Baker	Grade 12	= \$2,200	Intake: mid-July to mid-Dec 23 wks, 24 credits	VCC - Downtown	<ul style="list-style-type: none"> <li>Complete gr 11</li> <li>VCC questionnaire + short PowerPoint portfolio</li> <li>Food Safe Level 1 (certified before intake date)</li> </ul>
Cabinet Maker (Joiner)	Grade 12	= \$700	Intakes: Aug, Oct + Mar 25 weeks 28 credits	BCIT - Burnaby	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li>any Math 11 (C+)</li> <li>Wood 11 <b>and</b> Wood 12</li> </ul>
Carpenter	Grade 12	= \$450	Intake: Feb all semester 2 16 credits	Terry Fox <b>and</b> BCIT – Burnaby (6 wks)	<ul style="list-style-type: none"> <li>Wood 11 (and ideally Wood 12)</li> <li>any Math 11 (C+)</li> <li>Drafting + Design 11 (recommended)</li> </ul>
Professional Cook	Grade 12	= \$400	Intake: Feb all semester 2 16 credits	Centennial & Riverside	<ul style="list-style-type: none"> <li>Cook Training 11 <b>and/or</b> 12 <u>or</u> Foods &amp; Nut. 11 and/or 12 (ideally two or three of them)</li> <li>Food Safe Level 1 (certified before intake date)</li> </ul>
Construction Electrician	Grade 12	= \$350	Intake: Sept all semester 1 16 credits	Dr. Charles Best	<ul style="list-style-type: none"> <li>Full completion of grade 11</li> <li>Math 11: Found / Pre-Calc (C+) <b>or</b> Workplace (B)</li> <li>Physics 11</li> <li>any Tech Ed 10-12 course</li> </ul>
Hairstylist	Grade 12	= \$3,000	Intakes: Sept, Oct, Jan, Mar + May 40 weeks 40 credits	VCC - Downtown	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for English 12</li> </ul>
Heavy Duty Mechanic	Grade 12	= \$1,800	VCC Intakes: Sept + Feb BCIT: Sept, Oct, Feb, Apr, May + June 36 weeks 28 credits	VCC - Broadway BCIT - Burnaby	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li>any Math 11 (B)</li> <li>Auto 11 (B) <b>and</b> Auto 12 (B)</li> </ul>

Ironworker	Grade 12	= \$400	Intakes: January (first week) + July 23 weeks 20 credits	BCIT – Burnaby	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li>Metal/Weld 11</li> </ul>
CNC-Machinist	Grade 12	= \$1,300	Intake: Sept + January (first week) 25 weeks 24 credits	BCIT – Burnaby	<ul style="list-style-type: none"> <li>Metal 11 and/or Wood 11</li> <li>Basic knowledge of Fusion 360 software</li> <li>pass BCIT <a href="#">Math Trades Entry Assessment</a></li> </ul>
Landscape Horticulturalist	Grade 12	= \$650	Intake: Feb 6 weeks 8 credits	KPU -- Langley	<ul style="list-style-type: none"> <li>Any Math 11 (C+)</li> <li>Any Science 11</li> <li>Interest in working with plants and landscapes</li> </ul>
Marine Mechanical Tech	Grade 12	= \$500	Intakes: Sept + Feb 26 weeks 28 credits	BCIT – Annacis Island	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li>Auto, Metal <b>and/or</b> Electricity (recommended)</li> <li>any Math 11 (C+)</li> </ul>
Metal Fabricator	Grade 12	= \$400	Intakes: Sept + Feb 23 weeks 20 credits	BCIT – Burnaby	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li>Metal/Weld 11 (and ideally Metal/Weld 12)</li> <li>any Math 11 (C+)</li> </ul>
Millwright	Grade 12	= \$1,200	BCIT Intakes: Sept + Feb KPU Intake: Feb 24 weeks 24 credits	BCIT – Burnaby KPU - Cloverdale	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li>Math 11: Foundations <u>/</u> Pre-Calc (C+) <u>or</u> Workplace (B)</li> <li>at least one Tech Ed 11-12 course</li> </ul>
Motorcycle Mechanic	Grade 12	= \$500	Intakes: Sept + Feb All semester 1 <u>or</u> all semester 2 16 credits	BCIT - Burnaby	<ul style="list-style-type: none"> <li>Full completion of grade 11</li> <li>Auto 11 <u>or</u> related experience</li> </ul>
Commercial Painter	Grade 11 or 12	= \$0	Intake: mid-June 6 weeks 8 credits	Fin. Trades Inst. - Surrey	<ul style="list-style-type: none"> <li>Full completion of grade 11</li> <li>English 11 <u>or</u> 12</li> </ul>
Parts Technician	Grade 12	= TDB	Intake: March 20 weeks 20 credits	KPU – online	<ul style="list-style-type: none"> <li>Full completion of grade 11 (including Eng 12)</li> <li>Good organizational and time mgmt. skills</li> <li>Accounting 11 recommended</li> </ul>
Plumber	Grade 12	= \$0	Intake: start of Sem 2 – mid-July 24 weeks 24 credits	Gleneagle (potentially some weeks at BCIT)	<ul style="list-style-type: none"> <li>any Math 11 (C+)</li> <li>recommended: any Tech Ed 10-12 course</li> </ul>
Refrigeration Mechanic	Grade 12	= \$900	Intake: Sept 25 weeks 24 credits	BCIT – Burnaby	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li>Physics 11</li> <li>Chem 11 and Math 12 (strongly recommended)</li> <li>Electricity (recommended)</li> <li>pass BCIT <a href="#">Mechanical Reasoning Assessment</a></li> </ul>
Security Systems Technician	Grade 12	= \$1,100 plus tools	Intakes: November + April 28 weeks 28 credits	BCIT – Burnaby	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li><a href="#">Security Worker License</a> (prior to being accepted)</li> <li>any Math 11 (C+)</li> </ul>
Sheet Metal Worker	Grade 12	= \$400	Intakes: Sept All semester 1 16 credits	BCIT – Burnaby	<ul style="list-style-type: none"> <li>Full completion of grade 11</li> <li>any Math 11 (C+)</li> <li>Metal/Weld 11 (recommended)</li> </ul>
Welder	Grade 12	= \$800	BCIT Intakes: Aug, Sept, Nov, Jan + Mar PIC intakes: Sept, Jan + Mar both are 28 weeks (28 credits)	BCIT – Burnaby Piping Ind. Coll. (PIC) - Annacis Island	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li>any Math 11 (C+)</li> <li>Metal/Welding 11 (ideally Metal/Weld 12)</li> </ul>

As of January 2025 – please **check the website for the most recent/updated program information**

# “Youth **EXPLORE** in Trades” Programs

visit [43Careers.com](http://43Careers.com) or email Ben King at [bking@sd43.bc.ca](mailto:bking@sd43.bc.ca)



Trade Program	Program Details				
<b>Trades Sampler</b> “Motors & Engines”	<b>Usually taken in</b>	<b>Cost</b>	<b>Time &amp; High school Credits</b>	<b>Location of Program</b>	<b>Pre-requisites</b> (recommendations)
	Grade 11 or 12	Free	1 intake - early Feb 10 weeks 12 credits	VCC - Broadway	<ul style="list-style-type: none"> <li>▪ Grade 10 or 11 core/requirements</li> <li>▪ any Math 11 (C+)</li> <li>▪ pass 3 BCIT assessments (45 mins each):  <a href="#">English</a>, <a href="#">Mechanical Reasoning</a> + <a href="#">Math</a> </li> </ul>
The February 2022 focused on three trades: “Auto Service Technician”, “Auto Collision + Refinishing Technician” and “Heavy Duty Mechanic” Students also earned their forklift certification.					
Trades Discovery (‘General’ and ‘Women’ Intakes)	<b>Usually taken in</b>	<b>Cost</b>	<b>Time &amp; High school Credits</b>	<b>Location of Program</b>	<b>Pre-requisites</b> (recommendations)
	Grade 12	Free	Three intakes – Sept, Jan & May 4 months 16 credits Note: <b>very competitive to get a seat</b> , only 2 reserved seats, per intake, for all Lower Mainland	BCIT (Burnaby mostly, but will visit their other 3-4 campuses)	<ul style="list-style-type: none"> <li>▪ Completion of grade 11 core/requirements</li> <li>▪ any Math 11 (C+)</li> <li>▪ do/pass 3 BCIT assessments:  <a href="#">English</a>, <a href="#">Mechanical Reasoning</a> + <a href="#">Math</a> </li> </ul>
Students in recent intakes experienced 1-4 days in each of the following areas: <ul style="list-style-type: none"> <li>▪ <b>TRADES</b> = Aerospace, Motorcycle Mech, Auto Collision, Auto Service Tech, Sheet Metal, Carpentry, Welding, Electrical, Machinist, Millwright + Marine</li> <li>▪ <b>TRAINING &amp; CERTIFICATIONS</b> = might include General Safety, WHMiS, OFA 1, Fall arrest/protection, Hilti, Fit Test, Forklift + Fire Protection</li> </ul>					
Skills Exploration 10-12	<b>Usually taken in</b>	<b>Cost</b>	<b>Time &amp; High school Credits</b>	<b>Location of Program</b>	<b>Pre-requisites</b> (recommendations)
	Grade 10s + 11s	Free	Sem 1 or 2, depending on each school’s timetable. Course is 4 credits	Presently offered at: Terry Fox, Gleneagle, CABB, Heritage Woods, Riverside + Dr. Charles Best	<ul style="list-style-type: none"> <li>▪ None, ideally the student is using this course as a chance to learn more about a few trades and gain some hands-on skills that might lead to further investigation of the TRAIN programs</li> </ul>
Depending on the teacher’s offerings, students will experience 4 trades (3 from ‘must’ list + 1 optional) over a semester that are selected from: <ul style="list-style-type: none"> <li>▪ <b>MUST</b> (3-4 of): Automotive Service Tech, Baker, Cook, Carpenter, Design + Drafting, Electrician, Electronics + Robotics, Metal Worker or Welder</li> <li>▪ <b>OPTIONAL examples</b> (0-1 of) = Horticulturalist, Tiler, Painter, Hardwood Floorer, Auto Painter, Auto Collision Repairer, Cabinet Maker, Sheet Metal Worker...</li> </ul>					

	Age Requirement	Cost	Time & High school Credits	Location of Program	Pre-requisites (recommendations)
<p><b>Enhanced Bridge Watch Program</b></p> <p><i>“begin your career at sea... working on ferries, tugboats, deep-sea vessels...”</i></p>	By end of program, students must be between 18-26 yrs old (open to grads)	Free	<ul style="list-style-type: none"> <li>Oct 16, 2023—Feb 2, 2024</li> <li>Nov 6, 2023—Mar 15, 2024</li> <li>Jan 22, 2024—Apr 19, 2024</li> <li>Plus more TBD</li> </ul>	<p>BCIT – North Vancouver campus</p> <p>Note: there may be some online components</p>	<ul style="list-style-type: none"> <li>Full completion of grade 11 + plan for Eng 12</li> <li>any Math 11 (C+)</li> </ul>
	<p>In addition to “BCIT Bridge Watch Rating Assoc. Cert.” and “Transport Canada Bridge Watch Rating Cert.”, you will also earn:</p> <ul style="list-style-type: none"> <li><b>WHMIS</b> (BCIT Workplace Hazardous Materials Information System)</li> <li><b>ROC-MC</b> (Industry Canada Restricted Operator’s Certificate – Maritime Commercial)</li> <li><b>MBFA</b> (Marine Basic First Aid Certificate)</li> <li><b>BST</b> (STCW Basic Safety Training)</li> <li><b>PSC</b> (STCW Proficiency in Survival Craft)</li> </ul>				

*as of January 2024 – please check the website for the most recent/updated program information*

## “Youth **WORK** in Trades” Program

visit [43Careers.com](https://43careers.com) or email Joanna Horvath at [jhorvath@sd43.bc.ca](mailto:jhorvath@sd43.bc.ca)



Course Name(s)	Program Details				
	Open to	Student Cost	High school Credits	Location of Program	Requirement
<p><b>Work 11a, 11b, 12a + 12b</b> (4 courses in total)</p>	gr 10s, 11s, 12s + 1 <sup>st</sup> year after grad	Free	For each 120 hrs worked in a trade, plus online course work, you receive 4 credits, up to 16 credits	in the <b>community</b> as a tradesperson with a company	<ul style="list-style-type: none"> <li>you are <b>presently working</b> with as a <b>paid tradesperson</b></li> <li>you were <b>recently working</b> with as a <b>paid tradesperson</b>... able to backdate up to 240 hours towards your course hours</li> </ul>

*as of January 2024 – please check the website for the most recent/updated program information*

# Coquitlam Open Learning Course Offerings



## 2026-2027 COL 10-12 Program Offerings

online.sd43.bc.ca 604-936-4285  
1432 Brunette Avenue, Coquitlam

COL offers an extensive list of Secondary online (continuous entry) options, including:

Grade 10 Academic	Grade 11 Academic	Grade 12 Academic	Unique/Blended Electives
8618 - Career Life Education (CLE) 10 8627 - Education Au Choix De Carrier Et De Vie 10 (French CLE 10) 8630 - French 10 8483 - Math 10 Foundations & Pre-Calc. 8656 - Math 10 Workplace 8645 - Physical and Health Education 10 8648 - Science 10 8649 - Social Studies 10 8622 - ** (ELA) Composition 10 8624 - ** (ELA) Creative Writing 10 8639 - ** (ELA) Literary Studies 10 8643 - ** (ELA) New Media 10 8652 - ** (ELA) Spoken Language 10 <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p align="center"><b>** (ELA) English Language Arts 10 = 4 Credits</b> (Requires 2 of the above 2-credit courses.)</p> </div>	8620 - Chemistry 11 8638 - Life Sciences 11 8591 - Physics 11 (CLOC) 8593 - Science for Citizens 11 (CLOC) 8623 - Composition 11 8625 - Creative Writing 11 8640 - Literary Studies 11 8644 - New Media 11 8653 - Spoken Language 11 8631 - French 11 (CLOC) 8633 - Introductory Japanese 11 (CLOC) 8636 - Japanese 11 (CLOC) 8634 - Introductory Mandarin 11 (CLOC) 8641 - Mandarin 11 (CLOC) 8635 - Introductory Spanish 11 (CLOC) 8650 - Spanish 11 (CLOC) 8576 - Accounting 11 (CLOC) 8657 - Math 11 Workplace 8629 - Math 11 Foundations 8646 - Math 11 Pre-Calculus 8612 - Explorations in Social Studies 11 (CLOC)	8617 - Anatomy and Physiology 12 8621 - Chemistry 12 11877 - Composition 12 (CLOC) 9523 - Contemp. Indigenous Studies (CLOC) 8626 - Creative Writing 12 8628 - English Studies 12 8581 - Spoken Language 12 (CLOC) 8607 - English First Peoples 12 (CLOC) 8619 - Career Life Connections 12 8632 - French 12 (CLOC) 8637 - Japanese 12 (CLOC) 8642 - Mandarin 12 (CLOC) 8608 - Calculus 12 (CLOC) 8584 - Math 12 Foundations (CLOC) 8647 - Math 12 Pre-Calculus 8651 - Spanish 12 (CLOC) 8482 - 20 <sup>th</sup> Century World History 12 12392 - Geography 12 (Physical) (CLOC) 8594 - Law Studies 12 (CLOC) 8592 - Physics 12 (CLOC) 8579 - Tourism 12 (CLOC) 11975 - Child Dev. & Caregiving 12 (CLOC) 8578 - Food Studies 12 (CLOC) 8596 - Active Living 12 (CLOC) 8599 - Fitness and Conditioning 12 (CLOC)	8577 - Career Life Education 12 (CLOC) - Adult Grad only 8654 - Work Experience 12 <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p align="center"><i>Youth Work in Trades</i> Formerly Secondary School Apprenticeship. Earn hours towards trade certification while gaining up to 4 high school courses. Go to: <a href="http://43Careers.com">43Careers.com</a></p> </div> <div style="margin-top: 10px;"> <p align="center"><b>See links to all our courses and register at <a href="http://Online.SD43.bc.ca">Online.SD43.bc.ca</a></b></p> <p>We also offer 'Fast Track' courses during summer. Blended programs from early July to mid August.</p> </div>

<p><i>Three types of learning environments:</i></p> <p><b>Online (Continuous Entry):</b> flexible pacing, communication is predominantly via online tools.</p> <p><b>Blended (Online blended):</b> specific start/end dates, regularly scheduled face-to-face classes as well as working online.</p> <p><b>CLOC (Adult Learning Center):</b> continuous entry, online courses (a few paper-based), learning support hours, only for students 16+ or with permission.</p>	<p><i>COL is pleased to offer a range of learning supports including:</i></p> <ul style="list-style-type: none"> <li>• Support teacher in every SD43 secondary school</li> <li>• Write tests and get support right in your home school</li> <li>• Ongoing local drop-in support</li> <li>• Extra testing and online support in the evenings</li> <li>• Language Lab support hours</li> </ul>
<p>Register at: <a href="http://Online.SD43.bc.ca">Online.SD43.bc.ca</a> Any issues registering, please call 604-936-4285 (When looking for a course, search using the numbered code before the course name.)</p>	