



# **Georges P. Vanier**

## Secondary School

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## **Course Selection Guide 2022-2023**

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# PROGRAM PLANNING INFORMATION

**GP Vanier Counselling Department** – Counsellors are an integral part of the academic advising process. Students should meet with their assigned counsellor to plan their programs and review graduation requirements.

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**Course Selection** – Students in Grade 10 and 11 **MUST** carry full timetables and are **NOT** permitted to have unassigned blocks in their timetables, except for very exceptional circumstances approved by the Principal. Each Grade 10 and 11 student will enroll in a minimum of eight courses. **Grade 12 students will enroll in 8 courses and undertake a full course load, unless a study block is requested and approved by an administrator.**

**Course Changes** – Students will have an opportunity to meet with their counsellors during the first week of classes to finalize their course selection. Not all course requests can be accommodated.

**Dropped Courses** – Courses are not dropped after the 1<sup>st</sup>/3<sup>rd</sup> term reports have been issued.

**Independent Learning Course** – Students can be scheduled into an ILC class to complete an online course. This option is not for every student, so discussing this option with a counsellor is highly recommended.

**Repeating Courses** – students who have failed required courses will be re-scheduled into those courses to meet graduation requirements. Students who have completed an online course over the summer should inform their counsellor to ensure that marks have been recorded and credits have been assigned.

**Post-Secondary Admissions** - When selecting courses, students should research post-secondary requirements to ensure they are making suitable course selections. Current post-secondary calendars are available online. It is the student's responsibility to be aware of any post-secondary requirements and plan accordingly

**Class Size Limitations** – When space in classes is limited, priority will be given to students needing the course to meet graduation requirements. Students wishing to upgrade previously attempted courses may be admitted depending on availability of space.

**It is very important that students and parents understand that Vanier's course offerings are determined by the selections made in this programming process. Changes to your choices may not be possible once online course selection is completed. Some courses may not run due to low enrollment. Please be very careful to make choices that fit with your future educational and/or vocational plans. Our counsellors are available to answer your questions or to direct you to resources.**

# GRADUATION REQUIREMENTS

In British Columbia, prescribed Provincial Graduation Requirements provide for mastery of a common core of learning as well as the opportunity for significant student choice. To graduate, students must earn a minimum of **80 credits** in courses numbered 10, 11 and 12.

<p><b>REQUIRED COURSES</b> (52 credits)</p>	<ul style="list-style-type: none"> <li>• <b>A Language Arts 10</b> (4 credits) Literary Studies/Composition, New Media/Spoken Language or English 10 First Peoples</li> <li>• <b>A Language Arts 11</b> (4 credits) Literary Studies/Composition, New Media/Spoken Language or English 11 First Peoples</li> <li>• <b>A Language Arts 12</b> (4 credits) English Studies 12 or English 12 First Peoples</li> <li>• <b>Social Studies 10</b> (4 credits)</li> <li>• <b>A Social Studies 12</b> (4 credits)</li> <li>• <b>A grade 10 Mathematics</b> (4 credits)</li> <li>• <b>A grade 11 or 12 Mathematics</b> course (4 credits)</li> <li>• <b>Science 10</b> (4 credits)</li> <li>• <b>A grade 11 or 12 Science</b> course (4 credits)</li> <li>• <b>Physical and Health Education 10</b> (4 credits)</li> <li>• <b>Career Life Education</b> (4 credits)</li> <li>• <b>Career Life Connections</b> and <b>Capstone</b> (4 credits)</li> <li>• <b>Fine Arts</b> and/or <b>Applied Skills</b> 10, 11 or 12 course (4 credits)</li> </ul>
<p><b>ELECTIVE COURSES</b> (28 credits minimum)</p>	<p>See an extensive list of the Elective Courses throughout the Course Selection Guide</p>
<p><b>Notes:</b></p>	<ul style="list-style-type: none"> <li>• An unlimited number of credits from Board Authority Authorized (BAA) or post-secondary courses may count towards graduation</li> <li>• A minimum of 16 credits from either Ministry or BAA or post-secondary courses are required at the grade 12 level</li> <li>• Three graduation exams are required for graduation – two in literacy and one in numeracy (gr 10 &amp; gr 12)</li> </ul>
<p>For more information on graduation: <a href="#">BC Provincial Graduation Requirements</a></p>	

## Assessments- Grades 10-12

Students will complete three Graduation exams focused on literacy and numeracy: Numeracy 10, Literacy 10 and Literacy 12.

The emphasis in these exams will be on demonstration and application of learning through different means. There will be a greater focus on classroom assessment that is flexible and personalized and give educators greater flexibility to decide how and when students are assessed.

Much has been learnt about assessment in recent years, through research and consultation. B.C.'s education system will reflect this greater understanding of the potential of assessment, and fundamentally rethink the relationships between curriculum, assessment practices and learning.

Final assessments for all courses will be determined by the classroom teacher.

**Students need to be aware of post-secondary admission requirements. They may want to meet with their counsellor to ensure they are able to qualify for a Provincial Ministry scholarship.**

Senior students are expected to formulate general educational goals based upon their interests, needs, and abilities as experienced in Grades 8, 9 and 10.

# CAREER EXPLORATIONS

## Career Planning

Visit the Comox Valley Careers website <https://careerprograms.comoxvalleyschools.ca/>

A very important component of any Career Planning is connecting students to the 'world of work' through **work experience**. Work experience validates whether a student's interests and predicted career pathway is realistic or needs adjusting. G.P. Vanier offers the following programs to link students with the workforce.

## Career Life Education 10

The Career Life Education program in School District 71 addresses the connection and overlap between areas of intellectual development, human and social development and career development by creating healthy, active and educated citizens. Career Life Education 10 is a 2-credit course designed to enable students to develop the skills they need to become self-directed individuals who make thoughtful decisions, set goals and take responsibility for pursuing their goals throughout life. Students will explore a wide range of career and post-secondary options, think critically about health issues and decision making, develop financial literacy skills and plan the actions required to pursue future goals. In addition, students will lay the foundation for their Grade 11/12 Career Life Connections and Capstone Project standards.

In summary, what will students learn in Career Life Education?

- components and requirements of the Graduation Program
- education planning and career transitions
- financial planning (as it relates to student transitions from high school)
- informed decision-making related to health issues

## **Career Life Connections 11/12**

The Career Life Connections program in SD71 is designed to assist students with career guidance at appropriate timing. Students will be expected to complete a Capstone Project and cover the following topics:

- Create a personal integrated plan for post-graduation that articulates choices related to:
  - career
  - education
  - finances
  - health and well being
- Engage in, evaluate, and reflect on employment, career exploration and/or volunteer opportunities (30 hours or more) and their role in career, education and life planning.
- Design, assemble and present a Capstone Project to an audience that demonstrates personal learning and achievement (in and out of school), growth in the core competencies and reflection on their post-graduation plan.

## **Career Experience – 30 Hour Career Life Connections Requirement**

Students are required to complete a minimum of 30 hours of volunteer and/or career experience between Grades 10 and 12.

To complete a minimum of 30 hours of career experience, a student may participate in one or more of the following activities:

- school-arranged career experience
- day shadowing (one or more short-term industry visit)
- volunteer work/community service

The goal of career experience is two-fold. Firstly, it's an opportunity for youth to experience, and communicate, with an adult in their chosen career path and secondly, for youth to become aware of, and practice, employability skills such as punctuality, communication, teamwork, positive work ethic and attitudes. Students may choose career experience to train for entry-level employment or a placement related to future career goals.

For school-arranged career experience, Work Experience Teachers and Coordinators connect students with career experience opportunities within the community. Students access the worksite under regulated hours and conditions and are closely supervised. While in high school, students are covered under a provincial WorkSafeBC agreement in case they get injured while on the job. This type of coverage only occurs for high school students, so it is a good way for students to be able to be on a job site, without the employer having to hire them.

## **Work Experience 12A & 12B**

(Open to Grades 10, 11 and 12)

Long-term work experience is open to Grade 10, 11 and 12 students who have an interest in pursuing almost any career area. In Work Experience 12A & 12B, a student spends 100 hours training at one or more worksite. By doing this, skills are learned and questions are answered before career decisions are made; students may realize they love the field they are exploring, or that they would like to pursue a different career path. Students choose placements according to their current interests. Students typically work after school, on weekends, or during the school day (this course can be extra-sessional, which means that a student could have 9 or 10 courses listed on their timetable). Students can sign up for a Work Experience course before summer vacation begins and complete their 100 hours over the break.

Benefits of work experience are:

- earn 4-8 credits toward graduation
- receive pre-employment job training and potentially secure paid employment
- help make decisions about potential career paths

**Contact the Work Experience Coordinator or Career Center Teacher for information.**

## Metal Mechanical Trade Sampler

This program is intended to prepare students to go into any of the welding, pipefitting, machining and fabricating trades. It is a full time program, 4 days per week, and combines applied math and communication skills with hands-on project work. There will be field trips to industry and training institutions to better assist students in choosing a career path.



If interested, please go to the Work Experience Office and pick up a district Trade Sampler application to be completed and handed back in. It is open to students entering Grade 11 and 12 and is offered in Semester 2.

<b>What You Need...</b> <ul style="list-style-type: none"> <li>➤ Mechanical interest</li> <li>➤ Desire to work in a trade involving mechanics or metal</li> <li>➤ Good attendance and a strong work ethic</li> </ul>	<b>What You Will Get...</b> <ul style="list-style-type: none"> <li>➤ Math 11 credit (Apprenticeship &amp; Workplace Math 11)</li> <li>➤ 16 credits towards Grade 12</li> <li>➤ Practical "hands-on" training experience</li> <li>➤ Valuable industry experience</li> <li>➤ Workforce training certificates (First Aid, WHMIS, Fork Lift, etc.)</li> </ul>
<b>What You Will Do...</b> <ul style="list-style-type: none"> <li>➤ Spend a semester fully immersed in metal work/machining/fabricating</li> <li>➤ Monthly tours to industry shops to learn about different careers</li> <li>➤ 4 days in shop and 1 day per week on work experience or working on workforce training certificates</li> </ul>	

## Construction Trade Sampler

The goal of the Construction Trade Sampler is to prepare students to explore a career in the construction industry by developing practical skills in carpentry, plumbing, electrical, roofing, drywall and concrete. Some students may decide on a college trade foundation program as an ITA Train Student upon completion of this program.



If interested, please go to the Work Experience Office and pick up a district Trade Sampler application to be completed and handed back in. It is open to students entering Grade 11 and 12 and is offered in Semester 2.

<b>What you Need...</b> <ul style="list-style-type: none"> <li>➤ Enjoy working outside</li> <li>➤ Desire to work in a construction trade</li> <li>➤ Good attendance and a strong work ethic</li> <li>➤ Like to build structures</li> </ul>	<b>What You Will Get ...</b> <ul style="list-style-type: none"> <li>➤ Math 11 credit (Apprenticeship &amp; Workplace Math 11)</li> <li>➤ 16 credits towards Grade 12</li> <li>➤ Practical "hands-on" training experience</li> <li>➤ Valuable industry experience</li> <li>➤ Workforce training certificates (First Aid, WHMIS, Fork Lift, Fall protection, etc.)</li> </ul>
<b>What You Will Do...</b> <ul style="list-style-type: none"> <li>➤ Spend a semester fully immersed in the construction trades such as carpentry, electrical, plumbing, drywall, etc.</li> <li>➤ 4 days in shop and 1 day per week on work experience or working on workforce training certificates</li> </ul>	

## Transportation Trade Sampler

The goal of the Transportation Trade Sampler is to prepare students to explore a career in auto, heavy duty, aircraft and marine mechanics by developing practical skills. Some students may decide on a college trade foundation program as an ITA Train Student upon completion of this program.



If interested, please go to the Work Experience Office and pick up a district Trade Sampler application to be completed and handed back in. It is open to students entering Grade 11 and 12 and is offered in Semester 2.

<b>What you Need...</b> <ul style="list-style-type: none"> <li>➤ Enjoy working outside</li> <li>➤ Desire to work in a transportation mechanics trade</li> <li>➤ Good attendance and a strong work ethic</li> <li>➤ Like to work with engines of all types</li> </ul>	<b>What You Will Get ...</b> <ul style="list-style-type: none"> <li>➤ Math 11 credit (Apprenticeship &amp; Workplace Math 11)</li> <li>➤ 16 credits towards Grade 12</li> <li>➤ Practical "hands-on" training experience</li> <li>➤ Valuable industry experience</li> <li>➤ Workforce training certificates (Fork Lift, First Aid, WHMIS, etc.)</li> </ul>
<b>What You Will Do...</b> <ul style="list-style-type: none"> <li>➤ Spend a semester fully immersed in the transportation trades such as auto, heavy duty aircraft and marine mechanics etc.</li> <li>➤ 4 days in shop and 1 day per week on work experience or working on workforce training certificates</li> </ul>	

## Youth Train In Trades

- Youth Train In Trades programs allow students to earn credit towards both high school graduation and trades qualifications.
- Students in Train programs will complete Level 1 Apprenticeship Technical Training in their chosen trade and gain valuable practical experience.
- Work in Trades students also qualify for the Train program.
- Train programs involve course work at high school and/or college.
- Train programs cover tuition costs.
- Students should start planning Train courses by Grade 11.



### Train in Trades programs offered

Auto Service Technician	Aircraft Structures
Plumbing	Carpentry
Metal Fabrication	Welding
Professional Cook	Electrical
Heavy Duty Mechanics	Hairstyling
Auto Collision Repair	Cook
Electronics Core/Electrical	**Other opportunities exist - see work experience office

See the school district careers web page [careerprograms.comoxvalleyschools.ca](http://careerprograms.comoxvalleyschools.ca) to learn more.





# DISTRICT APPRENTICESHIP PROGRAMS

## Automotive Collision Repair (ACR) – Level 1 (Train In Trades)

The Automotive Collision Repair program will provide the opportunity for students to begin working towards rewarding auto body careers. This program will be delivered through online instruction and work placement in the community.

<b>What You Need...</b> <ul style="list-style-type: none"> <li>➤ Previous experience in auto courses if possible</li> <li>➤ Desire to work in a trade involving mechanics</li> <li>➤ Good attendance and a strong work ethic</li> <li>➤ Good dexterity and hand-eye coordination</li> <li>➤ An “L driver’s license”</li> </ul>	<b>What You Will Get...</b> <ul style="list-style-type: none"> <li>➤ Level 1 Automotive Collision Repair Certification</li> <li>➤ Tuition savings of up to \$2,700</li> <li>➤ Earn 16 credits</li> <li>➤ Practical “hands-on” training experience</li> <li>➤ “A foot in the door” into the automotive repair industry</li> </ul>
<b>What You Will Do...</b> <ul style="list-style-type: none"> <li>➤ Spend your final semester of Grade 12 working online to achieve 70% or greater in course work</li> <li>➤ Hands-on work experience in a local automotive collision repair shop</li> <li>➤ Master the theoretical and practical knowledge necessary to successfully write the Level 1 ACR test</li> </ul>	

## Robotics 71

The Robotics71 STEM program is geared towards students interested in robotics and the Engineering field. The program/course is open to all Comox Valley Schools students in Grade 8 through Grade 12 and will be offered in the “Botshop” at Highland Secondary School Tuesday and Thursday after school from 4:00pm – 6:00pm beginning in mid September and running until June.

- The program builds skills in; coding, communication and collaboration, electronic wiring, mechanical design and assembly, machining & fabrication, 3D printing & laser cutting.
- Students have the opportunity to compete in Vex and Skills Canada tournaments (locally, provincially, nationally, internationally)
- Public transit can get students from G.P. Vanier to Highland by 4:00pm.

**ROBOTICS71**  
ENGINEERING YOUR FUTURE

## Professional Cook 1

Do you enjoy working in a kitchen environment and creating tasteful food? Maybe you can see yourself in the fast-paced tourism industry working wherever you want, while mixing in some travel? Possibly you like to express your creative self through food preparation. This program can lead to a Red Seal Certification. This program is offered through a partnership with Camosun College and combines online learning, hands-on training with a chef in a restaurant, along with one day a week classroom training. It is open to students in Grade 12 and is offered in Semester 2.

<b>What You Need...</b> <ul style="list-style-type: none"> <li>➤ Have a passion for the culinary field</li> <li>➤ Desire to work in the hospitality and food industry</li> </ul>	<b>What You Will Get...</b> <ul style="list-style-type: none"> <li>➤ Professional Cook 1 Certification of Qualification</li> <li>➤ Practical “hands-on” training experience</li> </ul>
<b>What You Will Do...</b> <ul style="list-style-type: none"> <li>➤ Spend roughly 2 hours per day online learning</li> <li>➤ 15-20 hours a week at a local high end restaurant</li> <li>➤ 1 full day at Mark Isfeld Secondary working on labs with a Home Economics Teacher</li> </ul>	
<b>Youth Work In Trades</b>	

What is Youth Work In Trades?

Youth Work In Trades is open to Grade 10-12 students, 15 years of age or older, who are motivated to gain hands-on training in a designated trade.

**Hidden Apprenticeship:** If you are presently working in a trade related job, contact your Work Experience Coordinator to see if you qualify as a Work Student. It can mean receiving graduation credits for learning outside of school, and you can qualify for a \$1,000 award.



### Need more information?

Visit the Comox Valley Careers web site: <https://careerprograms.comoxvalleyschools.ca>

## Dual Credit Opportunities with North Island College

Are you interested in taking college courses while in grade 12?

The Careers Department can sponsor you to take courses or a Certificate program as long as you have completed English 12 and Math 11 and are still a student in your high school.

<b>Courses:</b> Students may take any NIC course, popular course that tend to align with your school schedule are:		<b>Certificate Programs:</b>
<ul style="list-style-type: none"> <li>➤ English 115 and 122/160</li> <li>➤ Fine Arts 110</li> <li>➤ Medical Terminology</li> <li>➤ Criminal Justice 131</li> </ul>	<ul style="list-style-type: none"> <li>➤ Psychology 130 &amp; 131</li> <li>➤ Business 162 &amp; 150</li> <li>➤ Criminology 101</li> <li>➤ Math 151</li> <li>➤ Digital Design 105</li> </ul>	<ul style="list-style-type: none"> <li>➤ Health Care Assistant</li> <li>➤ Early Childhood Care &amp; Education</li> <li>➤ Human Services</li> <li>➤ Business &amp; Office Administration</li> <li>➤ Web Design</li> <li>➤ And more...</li> </ul>
<b>Key points...</b> Spend your last semester making the transition to Post Secondary, courses run at Vanier and NIC. Be sponsored to take a course(s) or a certificate program. Please visit your Careers office for more information.		

### **Canadian Politics POL-119**

#### **3 hours lecture, 3 credits**

An introduction to the study of Canadian politics at the federal and provincial levels. This course will introduce students to Canadian political cultures and ideologies; political socialization and participation; political parties; the electoral process; leadership issues; interest group articulation and the role of the mass media.

#### **Prerequisite(s):**

- C in one of Provincial English 12, English First Peoples 12, ENG 060, ENG 096, ENG 098, or ESL 090; or placement testing

### **Law and Politics POL-151**

#### **3 hours lecture, 3 credits**

This course is designed to provide an introduction to law, politics, public policy and the administration of justice in Canada. The study of the judicial system as a branch of government will be emphasized. The course will examine key provisions of the Canadian Charter of Rights and Freedoms as interpreted by the courts, with a particular focus upon those cases most directly connected to the administration of justice.

#### **Prerequisite(s):**

- C in one of English Studies 12, Provincial English 12, English First Peoples 12, NIC ENG 060, ENG 096, or ENG 098; or C+ in ESL 092 and ESL 095; or English Assessment

### **Introduction to the Criminal Justice System CRM-131**

#### **3 hours lecture, 3 credits**

An introduction to the structure and operation of the Canadian criminal justice system, including the police, courts, and corrections. Analysis of the patterns of crime and victimization, police discretion and decision-making; criminal sentencing; correctional institutions and community-based models; and the youth justice system. Patterns of contact and conflict between various social groups and the criminal justice system are also examined.

#### **Prerequisite(s):**

- C in one of Provincial English 12, English First Peoples 12, ENG 060, ENG 096, ENG 098, or ESL 090; or placement testing

### **Essay Writing and Critical Analysis ENG-115**

#### **3 hours lecture, 3 credits**

ENG 115 involves the study of university level critical analysis and the production of expository and persuasive writing appropriate to university level discourse across the curriculum. A variety of rhetorical models are studied and practiced. Emphasis is placed on research, documentation and the writing of a research paper. Students may not receive credit for ENG 115 if they have previously completed ENG 116 or ENG 117.

#### **Prerequisite(s):**

- C in Provincial English 12, English First Peoples 12, ENG 096, ENG 098, ESL 090, or ENG 160; or English assessment; or Academic IELTS overall score of 6.0 with band scores of 6.0 in Writing and Reading; or completion of ENG 104

### **Introductory Psychology I PSY-130**

#### **3 hours lecture, 3 credits**

The course covers the following topics: research methods; biological bases of behaviour; consciousness; nature, nurture and diversity; development; sensation and perception; learning; and memory. Students are introduced to relevant psychological principles, theories and research findings, and are encouraged to develop an appreciation of the value of psychological research.

#### **Prerequisite(s):**

- C in one of Provincial English 12, English First Peoples 12, ENG 060, ENG 096, ENG 098, or ESL 090; or placement testing

## Creative Processes FIN-140

### 4 hours, includes lecture + studio time, 3 credits

This course explores the creative process of the artist, how to develop conceptual subject matter and experiment with materials and processes in the studio. It is an introduction to the important principles and philosophies of contemporary art. Students will learn to take responsibility for their own creative responses and channel the creative process from conception to realization.

#### Prerequisite(s):

C in one of English Studies 12, Provincial English 12, English First Peoples 12, ENG 060, ENG 096, or ENG 098; or C+ in ESL 092 and ESL 095; or English Assessment. Students with less than C in English 12 (or equivalent) may be admitted with the approval of the Instructor/Department Chair.

# ART

## Art 9/10

### 1 Term

### 2 Graduation Credits at the Grade 10 Level

Every student has artistic potential and the objective of this course is to develop basic skills and understanding of art processes. This is an introductory course that will deal with art created in two dimensions through various techniques such as drawing, painting and printmaking. Students will use the principles and elements of art and design to create great art and communicate ideas.

## Art Foundations 10

### 1 Semester

### 4 Graduation Credits

### Fine Arts: Yes

The objective of the course is to develop basic skills and understanding of art processes using the principles and elements of art and design. This is an introductory course that will deal with art created in two dimensions through various techniques such as drawing, painting and printmaking. Students will create art and use it to communicate personal, social, and cultural ideas.

## Graphic Novel and Comic Illustration 11

### 1 Semester

### 4 Graduation Credits

### Fine Arts: Yes

This course is for students interested in exploring art making through the lens of comics. Students will engage in the creation of print-ready comics, cartoons and graphic novels. Areas of study will include anatomy, layout, character and environmental design and narrative illustration. Students will employ a variety of two-dimensional media to explore the production pipeline from penciling through inking and color and on to final production. This rigorous course is intended for students with a background in art and illustration who are self-motivated and able to work independently toward hard deadlines.

## Studio Arts 2D 11

### 1 Semester

### 4 Graduation Credits

### Applied Skills: No

### Fine Arts: Yes

#### Strongly Recommend: Art Foundations 9 or 10

This course is designed to provide students with a basic set of skills in a variety of drawn and painted media. Students will continue to develop their understanding of art theory and practice as learned in Art 10. Media explored in this course will include ink, charcoal, soft pastel, oil pastel, acrylic and aquarelle. It is highly recommended that students have taken art 10 prior to taking this course. This course is recommended for students wishing to pursue graphic design, animation, fashion and interior design as well as studio arts.

## Art Studio 11

**1 Semester**

**4 Graduation Credits**

**Applied Skills: No**

**Fine Arts: Yes**

**Strongly Recommend: Art Foundations 10**

This course is designed to provide students with a set of tools to expand their art making practice beyond drawing and painting. Students will engage in digital media, graphic design, illustration, digital image manipulation and print making. In this course student will be encouraged to adapt the various media they learn to suit their personal art objectives. It is highly recommended that students have taken art 10 prior to taking this course. This course is recommended for students who wish to pursue graphic design, fashion design, architecture, digital arts and game design as well as studio arts.

## Art Studio 12

**1 Semester**

**4 Graduation Credits**

**Applied Skills: No**

**Fine Arts: Yes**

**Strongly Recommend: Art Foundations 11**

Students who take this semester long course will continue to use individual style, the creative process and exploration to create in two and three dimensions through the use of specific strategies: live observation, simplification, distortion, viewpoint, and self-expression. A range of media such as acrylic, watercolour, ink, clay, found objects and print making will be used. The objective is to give students the creative potential to solve art and design problems while producing successful, independent, self-directed visual art pieces. Students will continue to use critical analysis of works of art and some time will be devoted to art history. Students will create and use art to develop a professional quality portfolio for admission to post-secondary schools.

# VANIER CREATIVE COLLECTIVE

The Vanier Creative Collective is intended to offer students the opportunity to explore their hands-on interests in a manner that is open, student driven and cross curricular. Students will have access to all the resources offered by the wood, metal, art and robotics programs as well as the expertise of the related teachers. Students will engage in skills seminars and open studio time in order to allow their creativity full rein.

## Jet City Skateboard Company

**1 Semester**

**4 Graduation Credits**

**Applied Skills: Yes**

**Fine Arts: No**

Jet City Skates students the opportunity to explore the business of running a skateboard brand. Students will explore branding, production, design and merchandising of a skateboard brand. Students will finish the course having created a brand identity, built a business plan, explored the entire skateboard design and production pipeline, and produced a line of merchandise. Students will work with skateboard industry luminaries from the Comox Valley and beyond as well as a variety of financial institutions.

## Independent Directed Study: Visual Arts

**1 Semester**

**4 Graduation Credits**

**Applied Skills: No**

**Fine Arts: No**

The Visual Arts IDS offers a student the opportunity to explore their art making practice independent of the structure of the traditional classroom. Students are challenged to engage in activities both structured and self-directed that lead to a high level of proficiency in their medium of choice. The IDS also allows students to explore art making using a broader range of media as they will have access to the tools and guidance offered by the various shop programs. IDS credits are open to students who have exhibited a high level of proficiency in previous art courses and demonstrated the ability to work independently. Possible areas of study include: Graphic Novels, Makeup Art, Interior Design, Architectural Design, Graphic Design, Advanced Drawing and Advanced Painting.

## Cosplay

### 1 Semester

### 4 Graduation Credits

### Applied Skills: Yes

### Fine Arts: No

Are you interested in building props for film, cosplay or just upgrading your superhero costume? Cosplay allows students to explore prop building, costume design and makeup art in a cross curricular environment that allows students to access the resources and advice of all of the shop classes and the art room. Students will learn how to use a variety of tools and materials in a safe, inclusive manner.

## Marketing and Promotion 11

### 1 Semester

### 4 Graduation Credits

### Applied Skills: Yes

### Fine Arts: No

This course offers students the opportunity to explore their creative design ideas through the lens of building a creative business. Students will have the opportunity to build a business model through which they can market and sell their creations. Mandatory components include seminars on creating a business plan, financing a business venture, and managing a retail operation. Students will work with entrepreneurs from the Comox Valley and beyond as well as a variety of financial institutions.

## The Upcycled Home: Interior and Furniture Design

### 1 Semester

### 4 Graduation Credits

### Applied Skills: Yes

### Fine Arts: No

Do you enjoy watching renovation shows on HGTV or browsing cool rooms on Pinterest? If so then this is the course for you. Students will learn the basics of interior design through a variety of seminars and hands on projects. Students will also become acquainted with the tools and techniques used to build small scale projects and restore second-hand furniture. Shop skills will be taught in a safe, inclusive atmosphere in small groups.

## Skills Canada

### 1 Semester

### 4 Graduation Credits

### Applied Skills: Yes

### Fine Arts: No

This program will encourage students to hone their skills in preparation for Skills Canada applied trades competition. Students will receive coaching and instruction in one of the following disciplines: Welding, Carpentry, Cabinetry, Electronics, Graphic Design and 2D Digital Art. Projects will be based on actual competition specs used at the regional, provincial and national levels.

# AUTOMOTIVE SERVICE TECHNOLOGIES (AST)

## Automotive 11

### 1 Semester

### 4 Graduation Credits

### Applied Skill: Yes

Are you interested in cars, trucks and motorcycles? Do you own one or plan to buy one in the future? Automotive 11 explores how vehicle systems work and how to fix and maintain your own vehicle. Students will fix real problems and perform maintenance on our selection of shop vehicles and customer vehicles. You do not have to own your own vehicle, but if you do you could have the opportunity to work on it! Automotive topics include: wheels & tires, brakes, engine performance, batteries, fuel systems, ignition systems, Cooling systems, drivetrain, steering, suspension, electrical systems, diagnostics - and even what to look for when buying a car! All students are welcome, and no previous experience is required.

## Automotive 12

### 1 Semester

### 4 Graduation Credits

### Applied Skill: Yes

Do you enjoy working on cars, trucks and motorcycles? Automotive Technology 12 students will learn to apply the skills and knowledge learned in class to real problems and automotive projects. Students will perform real maintenance and

repairs on customer vehicles and shop vehicles in an environment similar to a true automotive repair shop. Topics and skills learned in Automotive 11 will be built upon and will include: transmissions & clutches, electric vehicles, power & engine performance, exhaust, diagnostics, electrical systems, ignition systems, fuel systems, Brakes, Steering and Suspension. All students are welcome, but Automotive Technology 11 or another secondary automotive course is recommended.

### **Power Mechanics 9/10**

#### **1 Term**

#### **2 Graduation Credits at the Grade 10 Level**

#### **Applied Skill: Yes**

Have you ever wondered how an engine works? Do you want to learn more about tools and engines in order to fix a dirt bike or ATV? Power mechanics 9/10 students will learn about the basic operation of 2 and 4 stroke motors and have the opportunity to work in groups to disassemble, rebuild, and start/run small motors. Topics covered will include: hand tools, measurement tools, 2 & 4 stroke engine operation, fuel, ignition, and lubrication. All students are welcome, and no previous experience is required.

## **BUSINESS**

### **Accounting 11**

#### **1 Semester**

#### **4 Graduation Credits**

#### **Applied Skills: Yes**

This course is for students interested in learning how to keep track of financial transactions in a small business. Upon successful completion, the student will be able to keep the books for a fiscal period for a service business. Students will be introduced to accounting software once they have gained a solid understanding of the accounting basics.

### **Accounting 12**

#### **1 Semester**

#### **4 Graduation Credits**

#### **Applied Skills: Yes**

#### **Strongly Recommend: Accounting 11**

Upon completion of this course the student will be able to keep the books for a fiscal period for a merchandising business, complete payroll transactions, set up computer files for a small company, and analyze financial documents. This course is a continuation of Accounting 11.

### **All About Money 12**

#### **1 Semester**

#### **4 Graduation Credits**

#### **Applied Skills: No**

A very popular course teaching what everybody needs to know about money. What you learn in this course will help you get more from your money. Topics in the course will include: Earning Money; What You Need to Know about Taxes, Investing, Financial Scams, Bank Loans, Scholarships and Bursaries.

### **Starting Your Own Business 12 (Entrepreneurship 12)**

#### **1 Semester**

#### **4 Graduation Credits**

#### **Applied Skills: Yes**

Students use the first part of the course to develop entrepreneurial skills and create possible business ideas. During the second part of the course students will create a plan to start their own individual business. This is a practical, hands-on course for students interested in starting one of a variety of different types of businesses – fashion, retail, technology, services, trades, etc.



## Business 12

### 1 Semester

### 4 Graduation Credits

### Applied Skills: Yes

Economics 12 is a fully loaded dynamic course aimed at students that have a keen interest in business. This course will examine important business concepts and management strategies. Students will use business simulations to develop their business skills. Topics in the course will include: Economics; What Managers do; Management Psychology; Business Simulation; Labour Unions; and more.

## University Prep / Scholarship / SAT

### 1 Semester

### 4 Graduation Credits

### Applied Skills 11: No

Are you an academic student hoping to attend University or College?

This course is designed to help students pursue their post-secondary education dream – in Canada or perhaps internationally. University Prep focuses on developing the skills to become a better student (generally in all subjects but specifically in English and Math) and explores post-secondary options for you. You will research schools, requirements, programs, course loads, costs, financial aid (bursaries and scholarships), and housing. This course includes the option of university and college tours. The course uses the SAT test as a framework for improving your ability to perform well in school – at Vanier and at post-secondary. This University Prep course is highly recommended by students completing the course.

# CARPENTRY AND WOODWORK

## Woodwork 9

### 1 Term

### No Graduation Credits

Do you want to work with your hands? Are you interested in making projects that you can keep with you forever! This might be the course for you. This course will introduce students to working safely in a woodshop. Topics will include safety, power tools, preparing stock by machine, basic joinery, the wood lathe, basic drafting, and applying a finish. Students will work on at least three small projects that include one toy, one wall hanging, and one artistic project. You will also have the opportunity to utilize the laser engraver or CNC machine to put an image onto your wall hanging. This is a hands on course and students will be expected to demonstrate safe work habits while working in the wood shop.

## Woodwork 10

### 1 Term

### 2 Graduation Credits

### Applied Skills: Yes

Do you want to work with your hands? Are you interested learning new skills, or in further developing your skills in the wood shop? If you have not taken a woodshop course before this course will follow the same format as the Woodwork 9 course. If you are a returning veteran in the woodshop you will have the opportunity to complete more complex projects. Topics will include safety, power tools, preparing stock by machine, basic joinery, the wood lathe, basic drafting, and applying a finish. This is a hands on course and students will be expected to demonstrate safe work habits while working in the wood shop.

## Woodwork 11

### 1 Semester

### 4 Graduation Credits

### Applied Skills: Yes

Are you interested in learning about advanced wood working, joinery, or even furniture making? Do you want to take old, worn out objects and make them useful again? This could be the course for you. This course is primarily a hands-on course in which you will be making various wooden projects. These projects evolve yearly depending on what is needed or wanted by the students. In the past students have built nightstands, created toys out of 2x4s, created complex laminated projects, built stages for community theatre groups as well as the Vanier Theatre, built sheds and dog houses. There will also be an “upcycling” project in this year’s class where students will re-imagine a new use for an old item. The



topics that will be covered are safe work practices, power tools, preparing stock by machine, basic joinery, the wood lathe, basic drafting, reading plans, proper measuring techniques, and applying a finish. Students have more opportunity to develop projects that they are interested in building in this course which continues to build on the foundations learned in Woodwork 9 or 10. More onus is placed on the individual student to choose, plan, and develop projects that interest them. Students are expected draw and plan their projects and to demonstrate safe work practices.

## **Woodwork 12**

### **1 Semester**

### **4 Graduation Credits**

### **Applied Skills: Yes**

Are you interested in learning about fine woodworking or furniture making? Have you already completed a SR wood course? Do you want to take old, worn out objects and make them useful again? This could be the course for you. This course is primarily a hands-on course in which you will be making various wooden projects. These projects evolve yearly depending on what is needed or wanted by the students and require advanced drafting including plans and cut lists. In the past students have built nightstands, created complex laminated projects, and coffee tables. There will also be an "upcycling" project in this year's class where students will re-imagine a new use for an old item. The topics that will be covered are safe work practices, power tools, preparing stock by machine, basic joinery, the wood lathe, basic drafting, reading plans, proper measuring techniques, and applying a finish. More onus is placed on the individual student to choose, plan, and develop projects that interest them. Students are expected draw and plan their projects and to demonstrate safe work practices.

## **Skills Exploratory 10/11/12 (Carpentry/Electrical/Plumbing)**

### **1 Semester**

### **4 Graduation Credits**

### **Applied Skills: Yes**

Open to: Grades 10, 11, 12 Do you want to learn how to build a small building, wire a shop, or plumb a sink so you can have running water? Are you thinking about going into the trades one day? Do you want to know how to do basic carpentry, electrical, and plumbing repairs so you do not have to pay expensive hourly rates to service technicians? This could be your course! This is a very hands on course with the focus being on developing skills with hand tools. There is a strong emphasis on safety and proper techniques. This course will provide you with time to explore different skills and develop a foundation for entering the work force or prepare you for a College Foundation Program.

## **Construction Trades Sampler**

See write up in Careers Explorations pg. 7

## **Transportation Trades Sampler**

See write up in Careers Explorations pg. 8

# **CULINARY ARTS**

## **Culinary Arts 10**

### **1 Semester or Term**

### **4 Graduation Credits or 2 Graduation Credits**

### **Applied Skills: Yes**

In this course, you will get to work at all of the stations in our modern and well-equipped cafeteria kitchen. Emphasis will be on the basics as you work your way through baking, cold kitchen, entrees, soups, vegetables and meat cookery. Most importantly, you will develop the skills of teamwork and organization as you explore the food service industry. As you progress, you will be developing special menu item concepts for our Café Vanier on Fridays.

## Culinary Arts 11

**1 Semester**

**4 Graduation Credits**

**Applied Skills: Yes**

In this course, you will get to work at all of the stations in our modern and well-equipped cafeteria kitchen. Emphasis will be on the basics as you work your way through baking, cold kitchen, entrees, soups, vegetables and meat cookery. Most importantly, you will develop the skills of teamwork and organization as you explore the food service industry. As you progress, you will be creating your own Chefs for The Day experience that serves as your final practical project.

## Culinary Arts 12

**1 Semester**

**4 Graduation Credits**

**Applied Skills: Yes**

**Strongly Recommend: Cafeteria 11**

At this level, it is time to develop your skills further. Your experience in the kitchen will allow you to handle more difficult concepts, and you can help pass on information you have learned to the entry level students. Organization and cooperation, as well as leadership skills, will be developed as you gain deeper knowledge into the arts of cooking and hospitality. Planning the Chefs for a Day term project as part of a student management team will be ongoing throughout the course.

## Culinary Arts 12A (Advanced)

**1 Semester**

**4 Graduation Credits**

**Applied Skills: Yes**

**Strongly Recommend: Cafeteria 11 and 12**

Students working at this level will have the opportunity to gain experience in the field of catering as well as advanced knowledge of cooking. You will develop the skills of recipe writing and balanced menu planning. Having mastered many basic organizational and culinary skills, you will take a leadership role in helping the entry level students. Planning the Chefs for a Day term project as student managers will be ongoing throughout the course.

# DANCE

## Dance 9

**1 Semester**

**Fine Arts: Yes**

Dancing is great exercise, fun, and allows you to make connections with others and express yourself! This course explores the elements of movement and choreography while working to improve your dance performance skills, fitness level and abilities to interact with, collaborate with, and share ideas with others. The class is designed to work for all levels and if there is interest, a final public performance may be an option, but will not be mandatory.

## Dance 10/11/12

**1 Semester**

**4 Graduation Credits**

**Fine Arts: Yes**

Dancing is a fantastic way to break up your day with a chance to make connections with others while working to improve dance technique, performance skills, and fitness. Explore the elements of movement and choreography and expressing yourself! The class is designed to accommodate all ranges of dance experience and although there will be a chance to perform for a public audience, it will not be mandatory.

# DRAMA, IMPROV and THEATRE

## Drama 9/10

### 1 Term

### 2 Graduation Credits at the Grade 10 Level

Everyone has the potential to excel in Drama and participation in a drama class will help everyone excel in life! Skills gained or increased in this class include communication and expression, personal and social skills and collaboration, and creativity and confidence. Course content covers creating scenes and characters, interpreting scripts, gaining specific skills and knowledge connected to theatre and improv, and juggling (optional for those taking the class for a second time). No previous stage experience is necessary but those who arrive with enthusiasm will gain a great deal!

## IMPROV 8/ 9/ 10

### Yearlong

### 4 Graduation Credits at the Grade 10 Level

### Fine Arts: Yes

Improv-short for improvisation - is for anyone because with practice, everyone has the potential to succeed as an improviser! Students will have a chance to interact with others and improve their skills in collaboration, listening, self expression, creating improvised characters and scenes, and acting without a script. This course takes place throughout the year, outside the timetable and offers the opportunity for public Improv performances and a chance to be considered for the Vanier Improvisation Teams.

## IMPROV 11/12

### Yearlong

### 4 Graduation Credits

### Fine Arts: Yes

Improv offers experienced and/or enthusiastic students the chance to work on their skills in improvisation for the stage and to interact with others. Students will further develop their abilities in collaboration, listening, creating characters and scenes in different styles and formats and performing without a script. Improvisation students will have several performance opportunities, though performances are not mandatory. This class takes place throughout the year outside the timetable and offers a chance to be considered for Vanier's Improvisation Teams.

## Drama Performance 9/10

### 1 Semester

### 4 Graduation Credits at Grade 10

Every student has the potential to excel in theatre and theatre will help students excel with life and skills beyond the stage – in communication, people skills, and confidence. This course is for those who want to dig a little deeper to explore drama and enrich their drama skills through creating characters, scene development, script work and, for those interested, performing a show for an audience!

## Drama Games for Life 11/12

### 1 Semester

### 4 Graduation Credits

This class allows students to take a break from every-day stress to work on a different kind of thinking – with a focus on interactions with others, impulses, and creativity. The skills gained in this class go beyond the stage to help you with skills needed in life such as the ability to collaborate with others, think on your feet, and gain confidence. The class will focus on Drama games that improve your communication, collaboration and sharing ideas, concentration, individual expression, and guiding students towards fun performances, usually without a script.

## Musical Theatre 9/10

### 1 Semester

### 4 Graduation Credits at Grade 10

This fun course offers an exploration of performing using music, acting, and movement or dance to tell stories. We will watch or listen to and reflect on performances while gaining or improving our own skills in performance. The class will include the opportunity to perform for an audience for those who are interested.

## **Musical Theatre 11/12**

### **1 Semester**

### **4 Graduation Credits**

This fun course focuses on honing skills for acting, movement, and singing as well as enriching knowledge of musical theatre, history, terminology and performance. We will watch or listen to and reflect on performances while gaining our own as performers. Students may choose to take on more of a leadership role and or showcase their own skill in a performance for a public audience.

## **Theatre Performance 11/12**

### **Semester**

### **4 Graduation Credits**

### **Fine Arts: Yes**

This course will give students the chance to interact with others in order to explore and create theatre, and to gain a range of theatre skills that are extremely helpful for theatre and life in general. Skills we focus on include communication and expression, personal and social skills, collaboration, creativity and confidence. The course will also focus on many aspects specific to theatre including script interpretation, rehearsal techniques, theatre production and design, and theatre terminology. Students will have the opportunity to present their work to a public audience and to be a part of Vanier's entry to the North Island and or Provincial Drama Festival.

## **Directing and Script Development 11**

### **1 Semester**

### **4 Graduation Credits**

### **Fine Arts: Yes**

This course is an introduction to the arts of script writing and directing. Get experience in a non-threatening environment writing and directing a variety of short theatre pieces. Performances of students' work will depend on the desire and ability of the class. Students are expected to be able to work and to complete tasks independently. If not enough students enroll in this course, an independent study may be possible, arranged through the teacher.

## **Directing and Script Development 12**

### **1 Semester**

### **4 Graduation Credits**

### **Fine Arts: Yes**

Students in this class will experiment with different techniques and approaches to script writing, learn and use the techniques of directing and have a chance to share their work and have it performed for an audience. Although the class involves sharing work with others, students will also often be expected work independently. If not enough students enroll in this course, an independent study can be arranged through the teacher.

## **Theatre Production 11/12**

### **1 Semester**

### **4 Graduation Credits**

### **Fine Arts: Yes**

The elements behind the scenes are a very important and powerful part of theatre and film. In this class, students will learn and practice some of the different duties in technical theatre – the work behind the scenes that helps share stories with audiences successfully. Some elements include stage management, lighting, sound, costumes, makeup, publicity, stage crew, set design, set construction, scenic painting, poster design, house management, tickets and programs. Students must be able to work independently. Theatre production 12 will involve more in depth dedication to specific topics. If not enough students enroll in this course, an independent study can be arranged through the teacher.

# ELECTRONICS/3D DESIGN ENGINEERING/ARCHITECTURE

## Architectural Design (Drafting) 11

### 1 Semester

### 4 Graduation Credits

### Applied Skills: Yes

Students will begin this course by learning the basics of architectural sketching and software before considering real-world challenges in the Comox Valley. Majority of the course is spent on creating their own designs using specialized architectural software and 3D printers. As a class, students will rethink and create a large-scale model of an underutilized Comox Valley neighborhood. **No previous experience required.**

## Architectural Design (Drafting) 12

### 1 Semester

### 4 Graduation Credits

### Applied Skills: Yes

This course focuses on developing a unique solution to a real-world challenge in architecture or urban design. Students will choose an area or style of interest and develop their initial concepts into a set of plans with a rendering and 3D-printed physical model. The project that students choose to work on may incorporate the Comox Valley neighborhood model. **No previous experience required.**

## Engineering 12

### 1 Semester

### 4 Graduation Credits

### Applied Skills: Yes

This is an advanced computer-aided design (CAD) option for students thinking of entering engineering or other design-based careers. The course begins with an introduction to AutoCAD (2D) and Inventor (3D) before students propose their own project ideas. Students interested in Engineering 12 will need to be able to work independently, complete several tutorials, and navigate online resources. **No previous experience required.**

## Electronics & Computer-Aided Design (CAD) 9/10

### 1 Term

### 2 Graduation Credits at the Grade 10 Level

This is a hands-on course where you will make electronics projects and learn to use 3D modelling software. Students in this course will work with the laser engraver, 3D printers, computers, soldering irons, and other tools used in electronics. If you took this course in grade 9, you will learn some programming and use a microcontroller in at least one of your projects. **Electronics & CAD 9 is a continuation of Robotics 8, although no previous experience is needed.**

## Electronics & Computer-Aided Design (CAD) 11

### 1 Semester

### 4 Graduation Credits

### Applied Skills: Yes

This course brings together project design, electronics, and 3D modelling. Students will be exposed to printed circuit board (PCB) design and construction, programming, and CAD software. The 3D printers, laser engraver, electronics equipment, vinyl cutter, and conventional tools can all be incorporated into the construction of student projects. Students who have taken related courses may be allowed to design their own projects earlier in the course. **No previous experience required.**

## Electronics & Computer-Aided Design (CAD) 12

### 1 Semester

### 4 Graduation Credits

### Applied Skills: Yes

The focus of this course is developing a technical project all the way from sketches to a finished product. Students have access to CAD software, equipment for making circuit boards, 3D printers, the laser engraver, vinyl cutter, and conventional tools in the shop to make their project a reality. Each project will begin with a proposal, which the student and teacher will use to narrow down a topic to pursue. If you took this course in grade 11, you may be given more freedom in your choice of project. **No previous experience required.**

## Physics and Engineering 11 (See SCIENCE, also)

### 1 Semester

### 8 Graduation Credits

**Strongly Recommended: Science 10 and at least 65% in Foundations or Pre-Calculus Math 10**

This course gives students an opportunity to explore the concepts covered in physics through several design challenges, which they will use to perform physics experiments. The challenges in Engineering 11 typically involve 3D modelling, the laser engraver, 3D printers, motors and gears, and conventional shop equipment. Physics & Engineering 11 is an 8-credit, two-block course, taught by two teachers, and covers both Physics 11 and Engineering 11. Students will need to conduct formal experiments and laboratory reports in addition to practice problem assignments. **This course meets the requirements for entrance to post-secondary institutions and Physics 12.**

# ENGLISH

## English 8

### No Graduation Credits

English 8 provides a transition between beginning secondary English and senior English courses. Students will be expected to demonstrate more sophisticated communications skills through a greater variety of writing, speaking and listening opportunities. Conventions of effective expository, narrative and descriptive writing will be further explored, but the focus will be on clarity in exposition. Novels, short stories, and poems will require more in-depth study than previous writings.

## English 9

### 1 Semester

### No Graduation Credits

English 9 provides a framework for students to experience language in its full range of contexts and purposes: students will be expected to use language to comprehend a wide range of literary and informational communications and to respond knowledgeably and critically to what they read, view, and hear. Students' abilities to understand and draw conclusions from communications whether written, spoken, or displayed visually and to defend their conclusions rationally is a major goal of education and the particular focus of the English Language Arts 9 course.

## Literary Studies / Composition 10

### 1 Semester

### 4 Graduation Credits

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

## **New Media / Spoken Language 10**

### **1 Semester**

### **4 Graduation Credits**

New Media 10/Spoken Language 10 is a program of studies designed to reflect the changing role of technology in today's society and the increasing importance of digital media in communicating and exchanging ideas and focus on the importance of spoken language and speech arts. This course is intended to allow students and educators the flexibility to develop a program of study centered on students' interests, needs, and abilities, while at the same time allowing for a range of local delivery methods. New Media 10 recognizes that digital literacy is an essential characteristic of the educated citizen. Coursework is aimed at providing students with a set of skills vital for success in an increasingly complex digital world by affording opportunities to demonstrate understanding and communicate ideas through a variety of digital and print media as well as incorporating spoken language into the study of language. New Media 10 explores tasks and texts designed to introduce students to the study of New Media and spoken language.

## **First Peoples Literary Studies/Composition 10**

### **1 Semester**

### **4 Graduation Credits**

### **Strongly Recommend: English 9**

First Peoples Literary Studies/Composition 10 is intended for both Indigenous and Non-Indigenous Students. It represents an invitation to all learners to explore and discover First Peoples' worldviews through the study of literary, informational and media text with local, Canadian and International First Peoples' content. The class is the academic equivalent of English Language Arts 10 and allows students to delve more deeply into literature as they explore specific themes, periods, authors, or areas of the world through literary works in a variety of media.

## **Literary Studies 11**

### **1 Semester**

### **4 Graduation Credits**

Literary Studies 11 is designed to support students as they refine, clarify, and adjust their written communication through practice and revision. Students will read and study compositions by other writers and be exposed to a variety of styles as models for the development of their writing. The course provides opportunities for students to, with increasing independence, study, create, and write original and authentic pieces for a range of purposes and real-world audiences. The course allows students to delve more deeply into literature as they explore specific themes, periods, authors, or areas of the world through literary works in a variety of media. They will develop confidence in their abilities as they consolidate their writing craft while being exposed to varied literature from around the world.

## **New Media 11**

### **1 Semester**

### **4 Graduation Credits**

New Media 11 is a program of studies designed to reflect the changing role of technology in today's society and the increasing importance of digital media in communicating and exchanging ideas and focus on the importance of written communications in practical, real world applications. This course is intended to allow students and educators the flexibility to develop a program of study centered on students' interests, needs, and abilities, while at the same time allowing for a range of local delivery methods. Compared with New Media 10, New Media/Communications Skills 11 features tasks and texts of greater complexity and sophistication. As well, the Grade 11 course extends the depth and breadth of topics and activities offered in New Media 10.

## **First Peoples Literary Studies 11**

### **1 Semester**

### **4 Graduation Credits**

### **Strongly Recommend: Literary Studies/Composition 10 or First Peoples Literary Studies/Composition 10**

First Peoples Literary Studies 11 is intended for both Indigenous and Non-Indigenous students. It represents an invitation to all learners to explore and discover First Peoples' worldviews through the study of literary, informational and media text with local, Canadian and International First Peoples' content. The class is the academic equivalent of English Language Arts 11. With an emphasis on Indigenous topics, authors and a wide scope of applicable literature, the course allows



students to delve more deeply into literature as they explore specific themes, periods, authors, or areas of the world through literary works in a variety of media.

## **English Studies 12**

### **1 Semester**

### **4 Graduation Credits**

The required English Studies 12 course builds on and extends students' previous learning experiences in previous ELA courses. It is designed for all students and provides them with opportunities to:

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

## **English Studies 12 – Communication Skills**

### **1 Semester**

### **4 Graduation Credits**

**Students wanting to keep post-secondary academic options open should take English Studies 12 to develop the appropriate skills.**

This variant of English Studies 12 is designed to help students become fully skilled language users, capable of comprehending and responding to the multiple forms and functions of language that surround them. This variant of the course focuses on the essential language skills students need to satisfy high school graduation requirements and function in daily life and the workplace. The following are possible focus areas in English Studies 12 (Communications Skills):

- Develop the basic reading and writing skills required of informed citizens
- think critically and creatively about the uses of language
- explore texts from a variety of sources, in multiple modes, and that reflect diverse worldviews
- deepen their understanding of themselves and others in a changing world
- digital communication – suggested content/topics include blogging, writing for the web, writing for social media, gaming, podcasting
- Develop a foundation of communications skills necessary for life-long learning

## **First Peoples Literary Studies 12**

### **1 Semester**

### **4 Graduation Credits**

**Strongly Recommend: Literary Studies 11 or First Peoples Literary Studies 11**

First Peoples Literary Studies/Composition 11 is intended for both Indigenous and Non-Indigenous students. It represents an invitation to all learners to explore and discover First Peoples' worldviews through the study of literary, informational and media text with local, Canadian and International First Peoples' content. The class is the academic equivalent of English Language Arts 11. With an emphasis on Indigenous topics, authors and a wide scope of applicable literature, the course allows students to delve more deeply into literature as they explore specific themes, periods, authors, or areas of the world through literary works in a variety of media.



## **Creative Writing 9/10**

### **1 Term**

### **2 Graduation Credits at Grade 10**

Creative Writing 9/10 was created for those students who have an aptitude for and an interest in creative writing. This course will take a portfolio approach to writing as students will build a collection of their work that includes assignments based on improving a variety of creative writing skills and genres. Although this course will have a positive impact on a student's writing skills, it is not a remedial writing course.

## **Creative Writing 11/12**


### **1 Semester**

### **4 Credits**

Creative Writing 11/12 is designed for students who have an aptitude for and an interest in creative writing. Although this course does have a positive impact on student writing, it is not a remedial writing course. This course will take a portfolio approach with both teacher-directed and student-directed writing. While Creative Writing 9/10 is not a pre-requisite, it is recommended that students have completed English 10.

# EXPLORE

This program is a unique opportunity for highly motivated grade 11 students to pursue the traditional academic requirements in an integrated studies program that combines academics with outdoor experiences. This one semester program begins in February at Georges P. Vanier Secondary School and is open to all students in School District #71.

<u>Do You?</u>	<u>Integrated Academics</u>	<u>Activities</u>	
<ul style="list-style-type: none"> <li>• Learn academic concepts quickly?</li> <li>• Love and respect the outdoors?</li> <li>• Enjoy challenges?</li> <li>• Like to work in a team setting?</li> <li>• Enjoy being fit?</li> <li>• Work independently?</li> <li>• Have a strong academic record?</li> </ul>	<ul style="list-style-type: none"> <li>• Pre-Calculus 11</li> <li>• Life Science 11</li> <li>• English 11</li> <li>• Active Living 11</li> <li>• Outdoor Leadership 11</li> <li>• Total Credits 18</li> </ul>	<ul style="list-style-type: none"> <li>• Kayaking</li> <li>• Backpacking</li> <li>• Legislative Trip</li> <li>• Water Safety</li> <li>• Wildlife Tour</li> <li>• Tsolum River Stream Keeping</li> <li>• Museum Trips</li> <li>• Climbing</li> <li>• Tribune Bay Outdoor Centre</li> </ul>	

***Volunteer opportunities that can be used towards volunteer hours required for Grad Transitions***

## ADVANTAGES OF EXPLORE

- Education through integrated studies and blended learning
- Outdoor explorations
- Field trips (no class time missed)
- 18 credits in one semester
- Member of a dynamic team
- Memories to last a lifetime
- 80 Hours Physical Activity

## Explore Fee \$800

**For Further Information about Explore check out the link on the GP Vanier school web site or see Mr. Pettigrew, Mrs. Gaudry or Mr. Miller**

# HOME ECONOMICS

## Child Development and Caregiving

### 1 Semester

### 4 Graduation Credits

### Applied Skills: Yes

This course is designed for students who are interested in a career or future that involves children. This could include an occupation in childcare, healthcare, counselling, teaching, recreation or simply enjoy being around children or plan to become a parent in the future. It will also provide a deeper look into child development from birth to age 12, as well as parenting techniques, pregnancy and how to care for babies and children in each stage of development. This course integrates several methods of learning including interactive presentations, guest speakers and the opportunity to observe, interact and lead activities for preschool students at our neighboring daycare.

## Fashion Industry 9/10

### 1 Term

### 2 Graduation Credits at the Grade 10 Level

This course introduces hand and machine construction techniques for producing and repairing textile items. We will learn about the environmental and ethical factors that influence textile choices and the impact of those choices on local and global communities.

## Fashion Industry 11/12

### 1 Semester

### 4 Graduation Credits

### Applied Skills: Yes

This course includes a study of the Fashion Industry, including marketing, merchandising, ethical and environmental influences on society. Projects and hands-on use of textiles and equipment will be included. Students will also be able to find and develop their personal style in a budget friendly manner. Content also includes how to maintain clothing, laundry, repairs, and making minor modifications for fit. Up-cycle clothing into new garments. Project and seminar presentation.

## Food Studies 8

Become familiar with the world of cooking. This introductory course will give you some skills in the kitchen. You will learn kitchen safety and sanitation as you prepare a variety of simple dishes to impress your friends and family. Students will learn the nutritional profile of the foods they create and learn how to substitute ingredients.

## Food Studies 9

### 1 Term

Learn more about the world of cooking in this course. Students will prepare a variety of food dishes and bakery items to introduce them and increase their skills in the kitchen. Key concepts also include food trends, food waste, food borne illness and ethical issues related to food.

## Food Studies 10

### 1 Term

### 2 Graduation Credits

### Applied Skills: Yes

A variety of food products from the four food-groups will be created in this hands-on course covering the basics of cooking and meal preparation. Theory in foods, nutrition, Canada's Food Guide, and planning and safety will also be covered allowing for healthy food choices.

## Baking 12 – Specialized Studies in Food

1 Semester

4 Graduation Credits

Applied Skills 11: Yes

**Strongly Recommend: Foods 11 or by permission from instructor**

This course will cover a wide variety of baked products, specialized design opportunities, and best practices in recipe development and preparation. Students will cover most of the basic baking methods, including muffins, scones, cookies, bars, cakes, choux pastry, short pastry, yeast breads as well as cake decorating with artistic elements.

## Food Studies 11

1 Semester

4 Graduation Credits

Applied Skills: Yes

This is a multi-level course building on the skills obtained in level 1 Foods. More advanced techniques and skills will be developed in both preparation and presentation. A portion of the course is dedicated to global food studies and issues related to food security and food waste. Evaluation based on individual as well as group work.

## Food Studies 12

1 Semester

4 Graduation Credits

Applied Skills: Yes

**Strongly Recommend: 4 Credits at the Grade 11 Level, or permission of the instructor.**

Using the Applied, Design, Skills and Technologies process, students will build on their creative, critical thinking and communication skills while making personal and social connections in Foods 12. Students will learn complex and meal recipe development, components of multi-course meal development and preparation, food justice, food safety and food production, food policies, indigenous food sovereignty, food philosophies and future career options in food service and interpersonal and consultation skills

# INDIGENOUS EDUCATION

At Vanier, enhancement opportunities for Indigenous and non-Indigenous students are offered through the following services: **Academic Support by** Indigenous Education Assistant(s), **Cultural Appreciation through:** Classroom, school and community activities, leadership opportunities, **Individual Development supported by:** School Counsellor, School Based Team, Indigenous Personnel and Administration.

## BC First Peoples 12

1 Semester

4 Graduation Credits

**Strongly Recommend: Social Studies 10**

This course will focus on the varied identities and worldviews of Indigenous peoples, and the importance of the interconnection of family relationships, language, culture and the land. There will be a further exploration of factors that sustain and challenge the identities and worldviews of Indigenous peoples including building an understanding of colonial impacts and the resilience and survival of Indigenous peoples. Students will gain an understanding of the process and issues involved in the development of community partnerships and economic opportunities. This course further examines the responses to inequities in the relationships of indigenous peoples with governments in Canada and globally. Students will have the opportunity to develop an understanding of the Truth and Reconciliation process in Canada and around the world.

## First Peoples Literary Studies/Composition 10

1 Semester

4 Graduation Credits

**Strongly Recommend: English 9**

First Peoples Literary Studies/Composition 10 is intended for both Indigenous and Non-Indigenous Students. It represents an invitation to all learners to explore and discover First Peoples' worldviews through the study of literary, informational and

media text with local, Canadian and International First Peoples' content. The class is the academic equivalent of English Language Arts 10 and allows students to delve more deeply into literature as they explore specific themes, periods, authors, or areas of the world through literary works in a variety of media.

### **First Peoples Literary Studies 11**

**1 Semester**

**4 Graduation Credits**

**Strongly Recommend: Literary Studies/Composition 10 or First Peoples Literary Studies/Composition 10**

First Peoples Literary Studies/Composition 11 is intended for both Indigenous and Non-Indigenous students. It represents an invitation to all learners to explore and discover First Peoples' worldviews through the study of literary, informational and media text with local, Canadian and International First Peoples' content. The class is the academic equivalent of English Language Arts 11. With an emphasis on Indigenous topics, authors and a wide scope of applicable literature, the course allows students to delve more deeply into literature as they explore specific themes, periods, authors, or areas of the world through literary works in a variety of media.

### **First Peoples Literary Studies 12**

**1 Semester**

**4 Graduation Credits**

**Strongly Recommend: English 11 or Communications 12**

English 12 First Peoples is intended for both Aboriginal and non-Aboriginal teachers and students. It represents an invitation to all learners to explore and discover First Peoples' Worldviews through the study of literary, informational and media text. This curriculum will be primarily delivered through online, self-paced thematic units.

## **INFORMATION TECHNOLOGY and MEDIA STUDIES**

### **Digital Media Arts 8**

**5 weeks (alternating days over a term)**

Sample a variety of digital media projects in this introductory course. Time permitting, we'll explore digital photography, graphic design, stop motion, digital animation, and introductory coding projects (Javascript).

### **Photography Level 1**

**1 Term**

**2 Graduation Credits at the Grade 10 Level**

**Fine Arts: Yes**

This introductory course will teach students how to make awesome photographs using DSLRs or cellphone. Working in a fun hands-on, project-based environment, students will learn about composition, design elements, and a variety of photographic techniques. Students will also learn basic post processing techniques using Photoshop.

### **Photography Level 2**

**1 Semester**

**4 Graduation Credits**

**Fine Arts: Yes**

**Required: Digital Photography Level 1 or permission of instructor**

This course will continue the skills taught in Digital Photography Level 1 for students who are interested in developing their photography skills. Students will learn advanced photographic techniques including using DSLRs, understanding camera settings, studio work, and post processing using Lightroom, Bridge, and Photoshop. Introduction to traditional darkroom film processing and printing are also included. A final portfolio is created in this course.

### Photography Level 3

**1 Semester**

**4 Graduation Credits**

**Required: Digital Photography Level 2 or permission of instructor**

This advanced course will continue the skills taught in Digital Photography Level 2 for students who are interested in pursuing post-secondary studies in photography or art. Students will learn advanced photographic techniques including working with DSLRs, specialty lenses, studio lighting, and off camera flash. Advanced post processing projects using Lightroom, Bridge, and Photoshop include creating composites, cinemagraphs, traditional film processing and printing, and alternative image techniques. The focus is on creative processes and a final portfolio is created in this course.

### Digital Animation Level 1

**1 Term**

**2 Graduation Credits**

In this introduction to 2D animation using Adobe Animate, students will learn the basics of creating and animating characters, objects, and scenes in short animations. In addition, students will learn how to add sound to their animation as well as building more complex animations that use a walk cycle and characters with expressions. No digital drawing experience is needed for this class.

### Digital Animation Level 2

**1 Semester**

**4 Graduation Credits**

**Required: Digital Animation Level 1**

This course will continue the skills taught in Digital Animation Level 1 with a focus on more complex characters, objects, and scenes in longer animations. More advanced techniques to create better animations will be introduced. Students will have the opportunity to explore and create different types of video production using stop motion photography, claymation, Character Animator, and using Blender to develop 3D models.

### Graphic Production 1

**1 Term**

**2 Graduation Credits**

**Applied Skills 11: Yes**

In this introductory graphic design course you'll be using Adobe Illustrator and InDesign to create promotional media like illustrations, advertising, logos and posters. This hands-on, project-based course provides students with an introduction to design theory and practical skills using Adobe software.

### Graphic Production 2

**1 Semester**

**4 Graduation Credits**

**Applied Skills 11: Yes**

**Required: Graphic Production 1 or permission of the instructor**

In this advanced graphic design course you'll primarily be working with Adobe Illustrator and InDesign for promotional and print media development. Students gain practical experience planning, designing and producing typography, logos, branding, packaging, advertisements, event posters, zines, and more!

### Film and Television Studies

**1 Semester**

**4 Graduation Credits**

**Applied Skills: Yes**

Do you like movies? Ever think about the way they are made? This class is for students interested in watching engaging films, exploring how they were made and what they have to say in entertaining ways, as well as creating their own films. Film and Television Studies gives students the opportunity to view and reflect on a wide variety of genres, bring their own favorite films for viewing and have fun with the art of filmmaking. Students will learn skills involving criticism, theory, scripting, performance and production aspects of creating movies. The class will have the opportunity to create and collaborate on writing and developing their own films and share them with a wide audience.

## Film and Television Production

**1 Semester**

**4 Graduation Credits**

**Applied Skills: Yes**

Ever think about producing your own short film or television series? Are you interested in how to film and develop movies? This class is for students who want to learn the art and skills needed to create film, as well as the simple ways to distribute them! Students will learn moving image elements and principles such as camera technique, lighting and sound, story boarding and editing using industry standard software. The class will collaborate with one another to become familiar with the pre-production and post-production aspects of creating film. Students will have the opportunity to film and edit their own movies and share them with a wide audience.

## LANGUAGES

### French 8

#### **No Graduation Credits**

Come and experience the excitement of speaking another language! Students will learn to communicate in French using a theme-based approach. They will participate in many activities such as presentations, dialogues and skits to enhance their speaking and listening skills. They will complete theme-based individual and group projects to develop reading and writing skills.

### French 9

**1 Semester**

**Strongly Recommend: French 8**

**Prerequisite(s):** To those who did French 10 or Spanish 10 on Rosetta Stone during their grade 8 or 9 year, we very strongly advise that French 9 or Spanish 9 be taken in the first semester and the grade 10 level in the second.

French 9 provides students the opportunity to continue with the language skills they acquired in French 8. French 9 students will continue to focus on a real-life communication approach to language learning. The course focuses on listening, speaking, reading and writing practice individually, in pairs and in groups. Continue learning French through music, video and games in French 9!

### French 10

**1 Semester**

**4 Graduation Credits**

**Prerequisite(s):** To those who did French 10 or Spanish 10 on Rosetta Stone during their grade 8 or 9 year, we very strongly advise that French 9 or Spanish 9 be taken in the first semester and the grade 10 level in the second.

Students may look forward to improving their language skills and grammar, and also to learning more about Quebec, through the use of slides, films, videos, games and music. While important for university entrance, French 10 emphasizes the development of an increased proficiency in French to allow the student to travel with a basic understanding of the language. The course also helps the student to proceed to a level of fluency necessary for increased employment opportunities.

### French 11

**1 Semester**

**4 Graduation Credits**

**Strongly Recommend: French 10 or with permission from the teacher**

This exciting course provides students with the opportunity to continue studying the language skills already begun in earlier grades: the skills of listening, speaking, reading and writing. Great emphasis will be placed on listening comprehension through film, music and conversation. As students gain confidence and proficiency, they enjoy presenting skits, dialogues and projects. Verb tenses and pronoun work are vitally important grammar concepts and lead to the key linguistic structures of French 11. Free reading of magazines, newspaper and supplementary text reinforces vocabulary. French 11 also examines daily life and culture in France. This is a course full of variety and fun. Amusez-vous

## French 12

**1 Semester**

**4 Graduation Credits**

**Strongly Recommend: French 11 or equivalent with permission from the Instructor**

French 12 students continue the study of the four main language skills: listening, speaking, reading and writing, but with an increased emphasis on reading and conversation. With French as the main language of interaction, participants converse freely, explore francophone cultures around the world, do a special exchange with an immersion school and enjoy the rich literature of the French Civilization. Every university and college in the world recognizes language credits and some programs require them. Challenge yourself!

## Introduction to Spanish

**1 Semester**

**Prerequisite(s):** To those who did French 10 or Spanish 10 on Rosetta Stone during their grade 8 or 9 year, we very strongly advise that French 9 or Spanish 9 be taken in the first semester and the grade 10 level in the second.

Here is your opportunity to learn to express yourself in a romance language “extraordinario”! Did you know that over 300 million people worldwide speak “español”? Words such as patio, sombrero, pronto and chili are a few examples of the influence Spanish has had on the English language. Students will learn to communicate using situational dialogues and role-plays. Vocabulary and grammar will be practiced and reinforced using all areas of communication: listening, speaking reading and writing. Participants will explore the culture of Mexico and Central America.

## Spanish 10

**1 Semester**

**4 Graduation Credits**

**Strongly Recommend: Spanish 9**

This course develops a broader basic level of skill in Spanish to enhance students' language acquisition abilities in building vocabulary, focused listening, applying conversational cues, developing cultural sensitivity, etc. Through dialogues, reading, films, projects, exercises, games and music, exploration of our multicultural world will continue. Imagine being able to communicate with the millions of Spanish speakers around the globe!

## Spanish 11

**1 Semester**

**4 Graduation Credits**

**Prerequisite(s):** To those who did French 10 or Spanish 10 on Rosetta Stone during their grade 8 or 9 year, we very strongly advise that French 9 or Spanish 9 be taken in the first semester and the grade 10 level in the second.

Español? Sí señores y señoritas, vamos a aprender más. Spanish 11 is a challenging and interesting course, building on the listening, speaking, reading and writing skills of previous courses. Students can expect to learn aspects of the culture, geography and history of South America and Spain. These credits will satisfy most language requirements for British Columbia University entrance.

## Spanish 12

**1 Semester**

**4 Graduation Credits**

**Strongly Recommend: Spanish 11 or equivalent with permission from the instructor.**

This course is for students who wish to build on the foundations of their Spanish grammar and vocabulary to improve their communicative abilities. Through debates, demonstrations, articles, stories, films, dialogues, projects and role-plays for active participation they will continue to explore the richness and diversity of Hispanic culture to be able to fully participate in travel, work and social experiences. Students will be ready to book hotels, make travel arrangements, barter in the markets and travel effortlessly in the Spanish-speaking world. It is very rewarding to be able to communicate easily in another language.



# LEADERSHIP

## Leadership 9

### 1 Term

Leadership 9 is a course designed for enthusiastic, motivated and energetic students who wish to be part of the organization of events occurring in the school and community throughout the year. This course also provides students with many opportunities to develop their own unique leadership styles and skills as well as their potential as public speakers and team players. Public speaking is a mandatory component of this course.

## Leadership 10

### 1 Term

### 2 Graduation Credits

Leadership 10 is a course designed for enthusiastic, motivated and energetic students who wish to organize a variety of events for the school throughout the year. This course continues the development of a student's personal leadership style and leadership skills. Public speaking is mandatory. Students are expected to be team players.

## Community Events and Planning 10/11/12

### 1 Semester

### 4 Graduation Credits

Students will run, organize and be an integral part of events within the school and community setting. If you want to get involved in your school this is the course for you. We will help with athletics, grad events, and community events. This course is dedicated to students that are enthusiastic, and willing to give of their time to make Vanier an even better place.

## Leadership 11/12

### 1 Semester

### 4 Graduation Credits

The leadership course is intended to help students acquire new leadership skills and enhance existing skills. By their direct involvement in the organization of school and community events, the students will acquire practical skills and knowledge essential for effective leadership in any organization. The course will stress the following elements: effective communication skills between individuals and within groups, knowledge of public relations and mass media, time management skills, effective public relations, experience gained in school-based activities (assemblies, pep rallies and special events), and organizational skills needed to succeed in running effective events within the school and community. Public speaking is mandatory. A willingness to become aware of social justice and other social and political issues is necessary.

## Sports Leadership 10-12

### 1 Semester

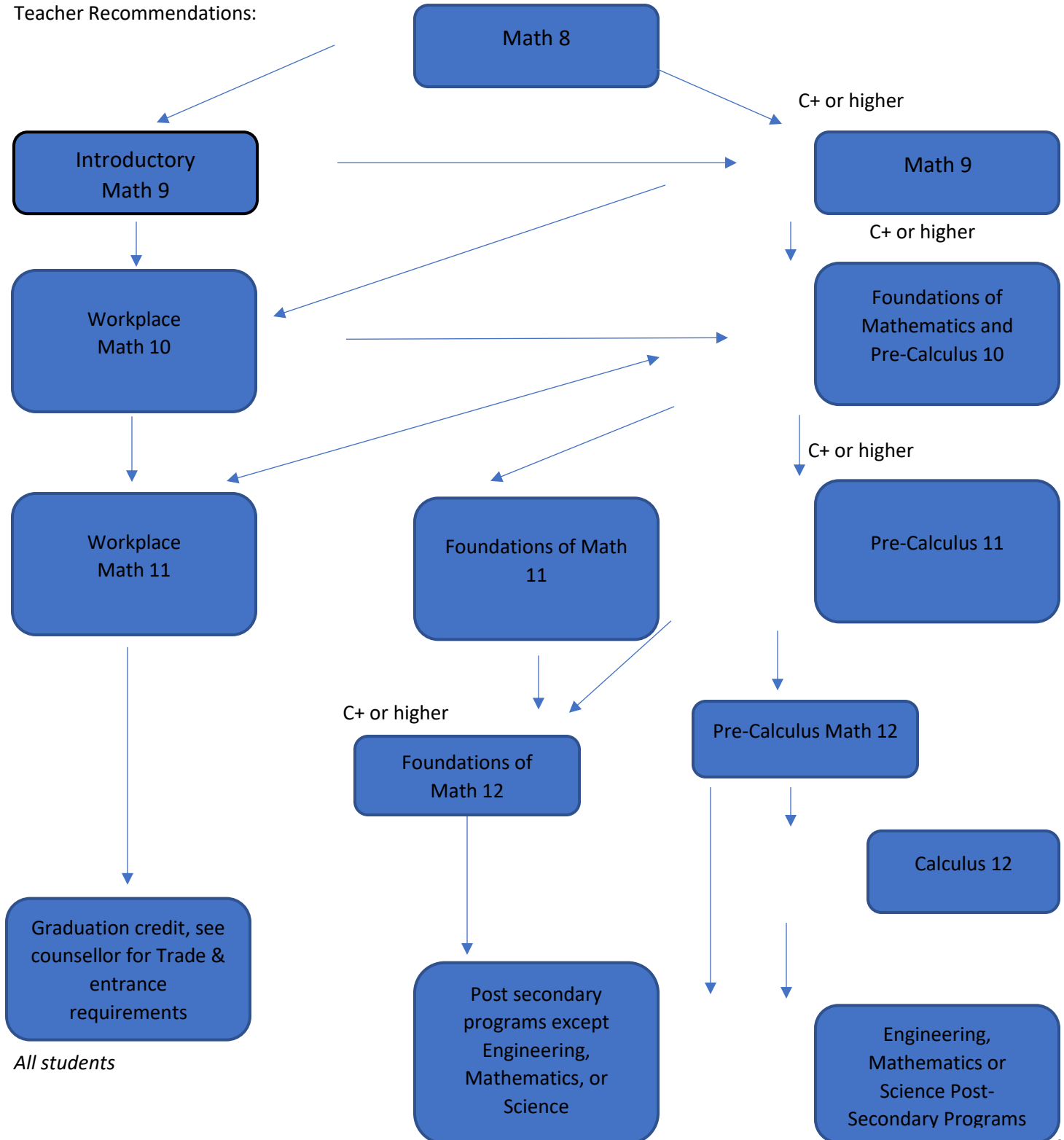
### 4 Graduation Credits

The students will be exposed to the various disciplines surrounding School Sports Leadership and Administration. This will include learning about and taking part in Coaching, Mentoring, Refereeing, Scorekeeping, Communications, School Spirit, Team Management, Intramurals, First Aid/Athletic Training and Organizing Special Events. Students will have opportunities to gain various certifications throughout this course. There are also opportunities for out of the timetable Independent Directed Studies Credits to be earned based on commitments to supporting extra-curricular activities (eg. refereeing, coaching).

# Mathematics

The goals of all pathways are to provide prerequisite attitudes, knowledge, skills and understanding for specific post-secondary programs or direct entry into the workforce. When choosing a pathway, students should consider their current abilities and future interests.

Teacher Recommendations:



*All students*

## Mathematics 8

This new curriculum will cover a range of topics that will prepare students for the challenges of future mathematics courses. Content will include: logic and patterns; percentage; roots, squares and Pythagorean Theorem; proportional reasoning; fractions (all operations); basic one and two-step algebra expressions and equations, writing and evaluating using substitution; surface area and volume of regular solids; construction, views, and nets of 3D objects; theoretical probability with two independent events; financial literacy - best buys (e.g., coupons, proportions, unit price).

## Mathematics 9

### No Graduation Credits

### 1 Semester

This course focuses on theoretical aspects of math. Students will study problem-solving, number concepts, number operations, patterns, variables and equations, measurement, 3-D objects, 2-D shapes, data analysis, and probability. It is recommended that students enter this course with at least a “C” grade in Mathematics 8.

## Foundations and Pre-Calculus Mathematics 10

### 1 Semester

### 4 Graduation Credits

**Strongly Recommend: students achieve at least 60% in Math 9**

This course is designed to provide students with the skills required for post-secondary programs that do not require theoretical calculus, such as humanities, business and social sciences. It is also designed for students who intend to study theoretical calculus in the future. Topics include factoring of polynomial expressions, simplifying irrational numbers, powers with integral exponents, relations and functions, analysis of linear equations, solving systems of linear equations, trigonometry with primary ratios, and financial literacy.

\*Pre-Calculus 11 and 12 will be required courses for post-secondary entry into fields that require undergraduate study of theoretical calculus, including (but not limited to) mathematics, science, engineering, and medicine.

## Workplace Mathematics 10

### 1 Semester

### 4 Graduation Credits

This course is designed to provide students with the skills required for training in many post-secondary trades programs\* and for direct entry into the workforce. Topics include algebra and formula-use, unit conversion between metric and imperial systems, decimal and fractional measurements, area calculations, applications of Pythagorean Theorem, trigonometry with primary ratios, angle geometry, proportional analysis, income calculations, graphing, probability, and central tendency. After successfully completing this course at the grade 10 level, students will take Apprenticeship and Workplace Mathematics 11. After having fulfilled provincial graduation requirements in grade 11, students may choose to take Apprenticeship and Workplace Mathematics 12 as an elective (this may be required by some trades programs).

\*A small number of trades programs may require a more theoretical level of mathematics (or upgrading after graduation), making it essential to obtain exact requirements from post-secondary institutions themselves. For example, electrical, engineering and some mechanics courses have had some advanced mathematics requirements in the past. Contact college or trade-school academic advisors for further information.

## Foundations of Mathematics 11

### 1 Semester

### 4 Graduation Credits

**Strongly Recommend: students achieve at least 60% in Foundations of Math and Pre-Calculus 10**

This pathway was designed to provide students with the mathematical understandings and critical thinking skills identified for post-secondary studies in programs that **do not require** the study of theoretical calculus. Topics include angle relationships, logical reasoning, statistics, quadratic functions, linear inequalities, financial literacy and proportional reasoning.

## Pre-Calculus 11

**1 Semester**

**4 Graduation Credits**

**Strongly Recommend: students achieve at least 70% in Foundations of Math & Pre-Calculus 10**

This pathway is designed to provide students with the mathematical understandings and critical thinking skills identified for post-secondary studies that require the study of theoretical calculus. Topics include algebra & factoring, exponents, radical & rational functions, quadratic equations, graphing, trigonometry, linear & quadratic inequalities, and financial literacy.

## Workplace Mathematics 11

**1 Semester**

**4 Graduation Credits**

**Strongly Recommend: Workplace Mathematics 10 or Foundations Pre-Calculus Math 10**

This pathway is designed to provide students with the mathematical understandings and critical thinking skills identified for direct entry into the work force. Topics include algebra, data analysis and statistics, scale and scale factor, owning and operating a vehicle and personal finance.

## Pre-Calculus 12

**1 Semester**

**4 Graduation Credits**

**Strongly Recommend: students achieve at least 67% in Pre-Calculus 11**

This is a challenging course designed to provide students with the mathematical understandings and critical thinking skills identified for post-secondary studies that require the study of theoretical calculus. Topics include transformations of functions & relations, exponential functions & equations, geometric sequences & series, logarithms, polynomial functions & equations, rational functions, and trigonometric functions, equations, & identities.

## Calculus 12

**1 Semester**

**4 Graduation Credits**

**Strongly Recommend: that students achieve at least 75% in Pre-Calculus 12**

This is a challenging course that is useful to students who are planning post-secondary courses of study which include calculus and wish to investigate the subject in advance. It will provide students with the opportunity to develop their math knowledge beyond Pre-Calculus 12 while still in secondary school. Many of the topics covered are similar to a first-year course in calculus at a university or college but are taught at a secondary level so that a solid mathematics background can be formed for the students' future mathematics courses. Topics include functions and graphs, limits, differentiation, and integration.

## Foundations of Mathematics 12

**1 Semester**

**4 Graduation Credits**

**Strongly Recommend: students achieve at least 60% in Foundations of Math 11**

This pathway is designed to provide students with the mathematical understandings and critical thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus. Topics include financial mathematics (renting, leasing, buying, interest, loans), puzzles and games, logical reasoning, functions and relations, statistics and probability (fundamental counting theorem, permutations/combinations).

# METALWORK

## Metalwork 9/10

**1 Term**

**2 Graduation Credits at the Grade 10 Level**

**Applied Skills: Yes**

Metal Work 9/10 is a course where you develop metal work and design skills as you complete a variety of assignments. There is an emphasis on group problem-solving, which is taught along with the metal work. These are different projects than Metalwork Technology 9/10. Students who took this course in grade 9 are welcome to take the course again in grade 10, with different projects being created.

## Metalwork 11

**1 Semester**

**4 Graduation Credits**

**Applied Skills: Yes**

**Strongly Recommend: A Metal 9/10 course recommended**

This is a metal technology course that provides interesting opportunities for students to explore machine use, basic engineering problems and much more, including art metal and jewelry design. You will have the freedom to work independently and co-operatively in groups on projects, and to learn how research and development is accomplished by engineers, technicians and artists. Bring your unique ideas and we will explore them. This course is activity-based and provides challenging opportunities to discover the world of metals and their many uses.

## Metalwork 12

**1 Semester**

**4 Graduation Credits**

**Applied Skills: Yes**

**Strongly Recommend: Metal Work 11 or approval of instructor**

Metal Work 12, will provide students with the opportunities to apply skills and techniques learned in Metal Work, to a range of open-ended problems. Opportunities will be provided to research and develop a wide variety of applications for metal working skills. For the students interested in the more traditional machine shop operations, opportunities to expand and refine their skills will also be provided. Students enrolling in Metal Work, must recognize the need for and value of student-directed learning and self-motivation in the design and reaction of projects while working in a safe, responsible manner.

# MUSIC

## Band 8 – Introduction to Band

### All Year/Alternate Days

Learn to play a band instrument – previous musical experience or training is not required to excel in this course. With guidance from the teacher, students will choose a standard concert band instrument to learn how to play while also learning how to read music and perform a variety of musical styles. There is an emphasis on developing teamwork and group rehearsal effort. The band will perform in school concerts, in a festival, and at a variety of community events. Regular at home practice is expected.

## Band 9

### All Year/Alternate Days

**Strongly Recommend: Band 8, or permission of the GP Vanier Music Dept, or Beginning Band**

This course offers students the opportunity to study instrumental music in a group setting and is a continuation of Band 8. The class will focus on individual and ensemble playing techniques, musical literacy, teamwork and group effort, and the rehearsal and performance of a variety of styles of concert band music. This ensemble will perform in concerts, in local and provincial festivals and a variety of community events. Regular at home practice is expected.

## **Band 10/11/12**

**All Year/Alternate Days**

**4 Graduation Credits**

**Fine Arts: Yes**

**Strongly Recommend: Band 9/10/11 or permission of GP Vanier Music Dept, or Beginning Band**

These three courses offer students the opportunity to study instrumental music in a group setting. They will focus on individual and ensemble playing techniques, musical literacy, teamwork and group effort, and the rehearsal and performance of a variety of styles of concert band music. This ensemble will perform in concerts, in local and provincial festivals, and at a variety of community events. Regular at home practice is expected.

## **Jazz Band Grades 9-12**

**Grades 10, 11 & 12: 4 Graduation Credits**

**Fine Arts: Yes**

**All Year - Tuesday & Thursday mornings 7:30 am - 8:45 am**

This course offers students an opportunity to study Jazz in an instrumental group setting. In addition to rehearsing and performing works in a variety of jazz styles, students will also learn historical and theoretical concept specific to jazz. The topic of improvisation will be introduced and developed throughout the year. This ensemble will perform in concerts, at a variety of community events, and when possible, in a festival. All members of the ensemble are expected to be members of the concert band.

## **Beginning Band 9,10,11,12**

**4 Graduation Credits**

**Grades 10, 11 & 12**

**Fine Arts: Yes**

**Semester 1**

This course has been specifically designed for those students in grades 9/10/11/12 that are interested in learning a band instrument that may not have had the opportunity in earlier grades or previous school. With guidance from the teacher, students will choose a standard concert band instrument to learn how to play while also learning how to read music and perform a variety of musical styles. There is an emphasis on developing teamwork and group rehearsal effort. And regular at home practice is expected. Beginning Band 9-12 is the best place to start before joining Band 9/10/11/12 in Semester 2!

## **Vocal Music Foundations 9/10**

**Fine Arts: Yes**

**Grade 10: 2 Graduation Credits**

**Fine Arts: Yes**

**1 Term**

If you can talk, you can sing! This class offers students the opportunity to learn vocal music in a group setting and is open to students of all experience levels. We will work on developing healthy vocal technique to sing contemporary styles including pop, folk, indie, rock, and jazz. We will cover ear training, music literacy, unison, and harmony singing skills, with optional solo singing opportunities. No experience or music reading required to join. A student driven willingness to learn and develop vocal skill is expected. There will be at least one opportunity to perform and share our work outside of class.

## **Contemporary Vocal Music 11/12**

**4 Graduation Credits**

**Fine Arts: Yes**

**1 Semester**

This class offers students the opportunity to learn vocal music in a group setting. We will work on developing healthy vocal technique to sing contemporary styles including pop, folk, indie, rock, roots and jazz. We will cover ear training, music literacy, unison, and harmony singing skills, with optional solo singing opportunities. Students will have opportunities to pursue projects and musical styles of their own choosing, including incorporating existing skills on accompaniment instruments such as guitar, or exploring song writing. Students will also learn proper care and use of microphones and sound equipment. No experience or music reading is necessary. A student driven willingness to learn and develop vocal skills is expected. There will be at least one opportunity to perform and share our work outside of class.

## Contemporary Choir 8-12

**Fine Arts: Yes**

**Grade 8-9: No Graduation Credits**

**Grade 10-12: 4 Graduation Credits**

**All Year: Tuesday after school and Thursday during lunch**

Come sing! This group vocal class is open to anyone willing to learn and work hard to practice their vocal skills. No previous experience required! All levels from beginner to experienced are welcome. We will sing a variety of contemporary song in 1-2 parts while focusing on developing solid vocal technique. Concepts covered will include achieving vocal balance and blend within a group, musical literacy, rehearsal skills and teamwork. The group will have several opportunities to perform and share their work.

## Guitar Level 1

**1 Term**

**2 Grade 10 Graduation Credits**

**Fine Arts: Yes**

This course is designed to help beginning guitarists achieve a number of musical goals. No previous experience is required. The main focus will be to learn a variety of basic techniques and styles so students can pursue their own musical interests in the future. Guitars are available for students who do not have their own.

## Guitar Level 2

**1 Semester**

**4 Graduation Credits**

**Fine Arts: Yes**

This course is intended for students who have some previous guitar experience. It is recommended that Beginner Guitar be taken first. Topics to be covered include: fundamental guitar technique, music literacy (scales, chord symbols and tablature) and various musical styles. Students will have the opportunity to pursue projects of their own choosing. Guitars are available for students who do not have their own.

# PHYSICAL and HEALTH EDUCATION

**Successful completion of Physical and Health Education 10 is a REQUIREMENT for graduation**

## Physical and Health Education 8

In this course, the student learns to recognize and appreciate the place of sport and physical fitness as an essential aspect of overall health and physical literacy. The course is designed to improve physical strength, cardiovascular efficiency, and neuromuscular skills as well as to learn knowledge of game rules and strategies through involvement in a variety of individual and group activities. In addition, students will investigate different aspects of health including: mental well-being, community and social health, and sexual health. The curriculum covers Team Games, Individual Sports, Dance, Gymnastics and Alternate Activities.

## Physical and Health Education 9

This course builds on the foundations of PHE 8 in which students continue to do, learn, and understand how movement is an essential aspect of our overall health. In PHE 9 we use games, dance, gymnastics, fitness activities, and outdoor pursuits to find joy in movement, to improve our physical skills, and to stay healthy. In addition, students in PHE 9 participate in several academic health units that focus on mental well-being, community and social health, and sexual health.

## **Physical and Health Education 9 backed onto Band 9 linear**

### **Alternate Days**

This course builds on the foundations of PHE 8 in which the student learns to recognize and appreciate the place of sport and physical fitness as an essential aspect of overall health and physical literacy. The course is designed to improve physical strength, cardiovascular efficiency, and neuromuscular skills as well as to learn knowledge of game rules and strategies through involvement in a variety of individual and group activities. In addition, students will investigate different aspects of health including: mental well-being, community and social health, and sexual health. The curriculum covers Team Games, Individual Sports, Dance, Gymnastics and Alternate Activities.

## **Physical and Health Education 9: (For female identifying students)**

### **1 Semester**

### **Strongly Recommend: Physical & Health Education 8**

This course offers an alternative for students who do not want to take the standard PHE 9 course. This course will cover the PHE 9 curriculum and will explore ways to play and exercise for enjoyment and health in a safe, less competitive environment. Student will participate in a wide variety of individual activities to enhance their physical literacy while still touching upon team sports. Students will take a leadership role and be given opportunities to explore activities within our community. Many activities will be decided upon as a class and will have costs involved. Finally, students will participate in a comprehensive health unit that includes modules in sexual health, mental health, and community health.

***Grade 10 students may choose one of the following five courses to satisfy their P.E. 10 credit***

## **Physical and Health Education 10: Competitive Games**

### **1 Semester**

### **4 Graduation Credits**

### **Strongly Recommend: Physical & Health Education 9**

**PHE 10: Competitive Games is one of the options for completing the mandatory PHE 10 course requirement.**

This course covers the PHE 10 curriculum but focuses more on the understanding and performance of sport skills, tactics, fitness, and strategies. Students will participate in a variety of target, net/wall, batting, and invasion style games. In addition, students will also inquire into sport leadership and fair play. Finally, students will participate in a comprehensive health unit that includes modules in sexual health, mental health, and community health.

## **Physical and Health Education 10: Fitness and Recreation**

### **1 Semester**

### **4 Graduation Credits**

### **Strongly Recommend: Physical & Health Education 9**

PHE 10: Fit & Rec is one option for completing the mandatory PHE 10 course requirement. This course covers the PHE 10 curriculum but focuses on playing and exercising for enjoyment and health. Students will participate in a wide variety of activities to enhance their physical literacy and understanding of overall health. In addition, students will participate in activities in which they take on leadership roles to better understand personal and social responsibility. Finally, students will participate in a comprehensive health unit that includes modules in sexual health, mental health, and community health.

## **Physical and Health Education 10: (For female identifying students)**

### **1 Semester**

### **4 Graduation Credits**

### **Strongly Recommend: Physical & Health Education 9**

This is one of the options for completing the mandatory PHE 10 course requirement. It is for students who are looking for a more supportive and less competitive environment. This course covers the PHE 10 curriculum but focuses on playing and exercising for enjoyment and health. Activities covered will be similar to those in the non-competitive option of PHE 9 and will continue to build on relatedness and physical literacy. Students will have opportunities to help shape the course and decide on activities. Many of these activities will involve guest instructors or travel to facilities and therefore there are costs involved. Finally, students will participate in a comprehensive health unit that includes modules in sexual health, mental health, and community health.



## **Physical and Health Education 10 backed onto Band 10 linear**

### **Alternate Days**

### **4 Graduation Credits**

This course builds on the foundations of PHE 9 in which the student learns to recognize and appreciate the place of sport and physical fitness as an essential aspect of overall health and physical literacy. The course is designed to improve physical strength, cardiovascular efficiency, and neuromuscular skills as well as to learn knowledge of game rules and strategies through involvement in a variety of individual and group activities. In addition, students will investigate different aspects of health including: mental well-being, community and social health, and sexual health. The curriculum covers Team Games, Individual Sports, Dance, Gymnastics and Alternate Activities.

## **Adventures in the Great Outdoors 10 (See SCIENCE, also)**

### **Semester**

### **8 Graduation Credits (4 Science 10 plus 4 PHE 10)**

Adventures in Outdoor Education is a blend of Outdoor Education skills and experiences with an inquiry based approach to Science 10. Taking advantage of good weather in a double block the cohort experience will engage students in the environment around them. Reinforcing scientific learning through the lens of becoming comfortable in many aspects of the outdoors. Tunnel through the molecular mysteries of the snow and paddle through genetically diverse waters. Students must be willing and interested in challenging themselves outdoor to enrich their learning experience.

\*Contains additional costs for potential course activities that can be offset by fundraising opportunities through the program.

## **PE Games 9/10**

### **1 Term**

### **2 Graduation Credits at Grade 10 Level**

This term elective will feature a variety of individual, dual, and team-based games. Emphasis will be on fun, fair play, working together as a team, and developing recreational and sport leadership skills.

## **Health and Wellness 9/10**

### **1 Term**

### **2 Graduation Credits at Grade 10 Level**

Health & Wellness 9/10 is a new course to Vanier as of September 2021. This course is based on the eight dimensions of health: Financial Health, Intellectual Health, Emotional Health, Occupational Health, Physical Health, Social Health, Spiritual Health, and Environmental Health. Students will learn about each dimension and put newly learned skills into practice. Resilience and life balance are also key learning principles in the course curriculum.

## **Rugby 9/10**

### **1 Term**

### **2 Graduation Credits at Grade 10 Level**

This course offered to Grade 9 and 10, is designed to improve Rugby skills on and off the field. Fitness and speed training will occur on the field, while coaching and leadership skills will be developed off the field. If there is not enough interest at the grade 9 level, Rugby 10 will be run as a semester course.

## **Physical and Health Education: Games 11/12**

### **Semester**

### **4 Graduation Credits**

### **Strongly Recommend: A PHE 10 COURSE**

Games 11/12 is a semester long elective that will continue to give students an opportunity to participate in and enjoy a variety of games. Some units may be organized into mini "sport seasons" in which students play as part of a fixed team. Emphasis will be on being an effective team player, developing team leadership (i.e. being a team coach or a game official), improving game play, understanding sportsmanship, and having FUN!

## **Physical and Health Education 11 (Active Living 11)**

### **Semester**

### **4 Graduation Credits**

This course will give students the opportunity to participate in a wide range of activities commonly offered in the community. Activities may include games, recreational activities (i.e. curling, bowling, beach volleyball, squash, tennis, and others), outdoor activities, and personal health and fitness. Some activities may occur off campus. Emphasis will be placed on developing one's physical literacy and understanding healthy habits.

## **Physical and Health Education 12 (Active Living 12)**

### **Semester**

### **4 Graduation Credits**

*Active Living 12* builds on the health and activity focus of *Active Living 11*. This course will continue to give students the opportunity to participate in a wide range of activities commonly offered in the community. Activities may include games, recreational activities (i.e. curling, bowling, beach volleyball, squash, tennis, and others), outdoor activities, and personal health and fitness. Some activities may occur off campus. Emphasis will be placed on developing one's physical literacy and understanding healthy habits.

## **Fitness 10 (Personal Fitness)**

### **Term**

### **2 Graduation Credits**

Fitness 10 is a term elective designed to allow students to develop their movement skills and comprehensive personal fitness. The course will be a mixture of teacher led and student-centered activities to allow for personal goals to be set and achieved. Safety, movement skills and techniques, goal setting, principles of developing fitness, and program design will be covered. In addition, the importance of rest, nutrition, and recovery will be stressed. This course will appeal to all students whether they want to improve their sport performance or general health.

## **Fitness and Conditioning 11 (Personal Fitness 11)**

### **Semester**

### **4 Graduation Credits**

Fitness and Conditioning 11 is designed to give students the knowledge and skills necessary to improve their physical fitness levels. Initially, students will work towards developing efficient and safe movement skills. Students will then set personal fitness goals and select or design a program. The principles of fitness, movement principles, components of fitness, and program design will be covered. Finally, the importance of nutrition, rest, and recovery will be covered in relation to fitness and overall health. Students can focus on athletic development (skills, strength and conditioning), strength development, cardiovascular development, or on overall health and wellness.

## **Fitness and Conditioning 12 (Personal Fitness 12)**

### **Semester**

### **4 Graduation Credits**

Fitness and Conditioning 12 continues from Fitness and Conditioning 11 in that students will set personal goals and design a program to meet those goals. In addition, students will investigate the use of a wider variety of exercises, different program designs, and investigate the principles of nutrition and its effect on health. Finally, students will also have the option to complete one or more courses through the CFES program that lead to becoming a personal trainer.

(<http://www.canadianfitness.net/> and see your teacher for details).

## **Rugby 11/12**

### **Strongly Recommend: Rugby 10**

Rugby Level 2 is a senior course designed for grade 11/12 rugby players looking to improve the basic principles and foundations developed in Level 1. Specifically, this high-performance class will include: i) Position – specific physical conditioning; ii) Position – specific technical and tactical preparation; iii) Position – specific technical and playing skills under competitive conditions; iv) Mental training and preparation; v) Provide athlete-centered planning and decision-making skills; vi) Recovery programs to maximize sports participation. This high-performance class incorporates attack and defense

principles in the game of rugby. Physical contact is a significant portion of this course and mouth guards will be required. In addition, students will participate in comprehensive strength and conditioning program designed to enhance their athletic performance, ability to recover, understanding of fitness components and principles, and understanding of nutrition. The fitness classes will alternate with the rugby field classes. This class is open to both girls and boys.

### **Girls Rugby 11/12**

#### **Strongly Recommend: Rugby 10**

Rugby Level 2 is a senior course designed for grade 11/12 rugby players looking to improve the basic principles and foundations developed in Level 1. Specifically, this high-performance class will include: i) Position – specific physical conditioning; ii) Position – specific technical and tactical preparation; iii) Position – specific technical and playing skills under competitive conditions; iv) Mental training and preparation; v) Provide athlete-centered planning and decision-making skills; vi) Recovery programs to maximize sports participation. This high-performance class incorporates attack and defense principles in the game of rugby. Physical contact is a significant portion of this course and mouth guards will be required. In addition, students will participate in comprehensive strength and conditioning program designed to enhance their athletic performance, ability to recover, understanding of fitness components and principles, and understanding of nutrition. The fitness classes will alternate with the rugby field classes.

### **Fitness 11/12 (For female identifying students)**

#### **Semester**

#### **4 Graduation Credits**

This course is open to Grade 11 and 12 female aligned students. It is a non-competitive class that emphasizes developing strategies and ideas to get active and stay active for life. You will be introduced to a wide range of lifetime sports and activities to develop an understanding of the importance of lifelong fitness and wellness. We will explore a number of sports and fitness activities and as a class will decide how much time to spend on each. An element will be building community links so that after high school we are aware of the many activities available to us. As a class we will have the opportunity to go out and try classes at outside facilities. There will be a course fee to cover the costs of these excursions and the cost of bringing in guest instructors to share their passions.

### **Sports Medicine 11/12**

#### **Semester**

#### **4 Graduation Credits**

Sports Medicine is to prepare prospective medical practitioners with a basic understanding in the area of sport injuries, first aid care, training room management, and career opportunities related to sports medicine, nutrition, anatomy and physiology. This course offers a logical beginning for those interested in fields such as sports medicine, physiotherapy, massage therapy, nursing, physical education, or emergency medical technician.

# VANIER'S HOCKEY CANADA SKILLS

A course specially developed to help student athletes excel in both academics and athletics. Students will receive course credit for P.E. as well as an elective. Running from September to January, this program will blend on-ice skill development with off-ice activities, including dry-land training and theory sessions. These sessions involve guest speakers, workshops on various topics, such as: nutrition, health and wellness, sports psychology, personal growth and team building.

## ***Who is it for?***

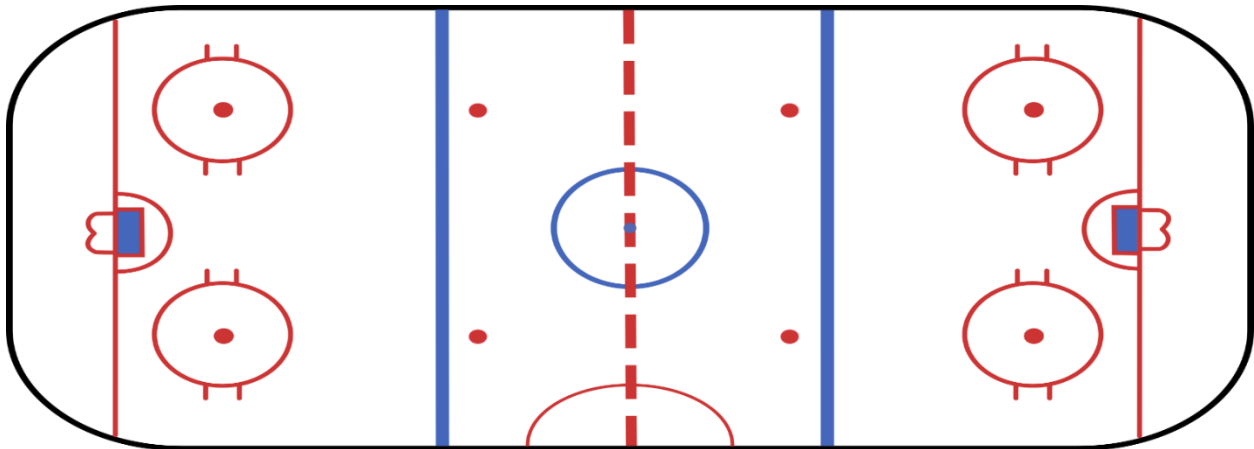
- Students in grades 9 through 12
- Students focused on individual skill development and academic achievement
- Competitive or recreational, beginners or advanced players
- Male or female
- Athletes who want more time on task (skill development)
- Players committed to being the best they can be
- Players striving to obtain College Scholarships or play Junior hockey

## ***Benefits for Student Athletes?***

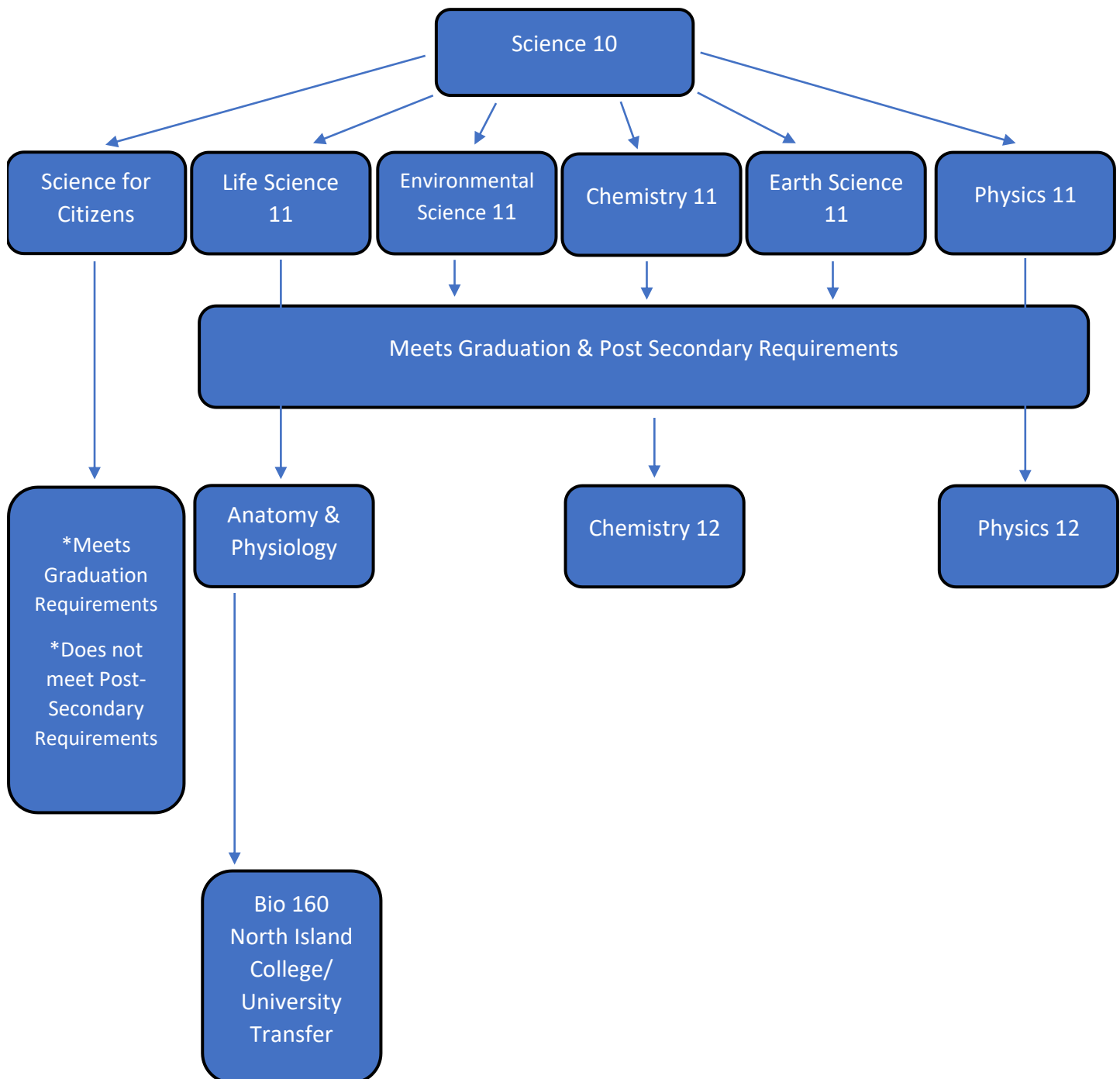
- Increased opportunity for developing creative skills and confidence in hockey skills
- Over 45 hours of on-ice instruction, 2 slots per week, during school time
- Late bloomers, late starters, and late maturing players experience tremendous skill gains
- Each student is assessed twice in the program, comparing their skills to those of elite level players across Canada (HC standardized individual skill tests)
- Strength\conditioning training programs are developed for students
- Individual video analysis of skating.

**COST \$800.00**

**SEE MR. MILLER FOR MORE INFORMATION.  
APPLICATIONS AVAILABLE IN THE OFFICE**



# Sciences



Please visit post-secondary institution websites on an ongoing basis to determine requirements for individual programs.

## Science 8

### No Graduation Credits

Today's scientists rely heavily on laboratory skills and on technology tools to perform their tasks and research. Students will develop an understanding of the nature of science and technology, of the relationship between science and technology, and of the social environmental contexts of science and technology. This course will focus on using scientific processes such as data collecting, observations and experimentation. Units that are explored in Grade 8 Science are: Characteristics of Living Things and Cells, Energy Transfer as a Wave or Particle and Optics (including the human eye), Dissection of a sheep's eyeball, Kinetic Molecular Theory (behaviour of matter) and the Theory of Plate Tectonics.

## Science 9

### No Graduation Credits

Building on laboratory skills and the methods of scientific inquiry introduced in Grade 8, students discover some of the basic principles of Physics (electricity), Chemistry (atomic theory and bonding), Biology (cell reproduction) and Earth or Space Science (Biosphere, Geosphere, Hydrosphere and Atmosphere are interconnected), through experimentation.

## Science 10

### 1 Semester

### 4 Graduation Credits

#### Strongly Recommend: Science 9

Science 10 is a required course. It is a survey course that acquaints the student with some basic Biology, Chemistry, Earth Science and Physics. This course should help the student decide which area of science to study at the Grade 11 level. Students will perform various laboratory experiments and projects.

## Adventures in the Great Outdoors 10 (See PHE, also)

### Semester

### 8 Graduation Credits (4 Science 10 plus 4 PHE 10)

Adventures in Outdoor Education is a blend of Outdoor Education skills and experiences with an inquiry based approach to Science 10. Taking advantage of good weather in a double block the cohort experience will engage students in the environment around them. Reinforcing scientific learning through the lens of becoming comfortable in many aspects of the outdoors. Tunnel through the molecular mysteries of the snow and paddle through genetically diverse waters. Students must be willing and interested in challenging themselves outdoor to enrich their learning experience.

\*Contains additional costs for potential course activities that can be offset by fundraising opportunities through the program.

## Science for Citizens 11

### 1 Semester

### 4 Graduation Credits

#### Strongly Recommend: Science 10

This course takes a different approach to science and will help you learn how science, through technology, affects you and the world around you. Through distinct modules you will explore a series of topics. Videos, newspapers, magazines, oral reports, and class discussion play an important role in this course. Active participation in discussions, group activities, and completion of work help to determine a student's mark.

## Social and Environmental Studies 11

### 1 Semester

### 4 Science 11 and 4 Social Studies 11 (8 total) Graduation Credits

#### Strongly Recommend: Social Studies 10, and Science 10

SES 11/12 is a survey course into the effects of human interactions on our environment and the sustainability of ecosystems. Throughout this course students will explore the ramifications of the decisions made by different cultures and governments about the environment. There will also be study of the implementation of future solutions from a scientific/social justice and

indigenous point of view. SES is a student driven project-based course that will involve field studies and hands-on exploration of our local environment. This course is an 8-credit course that will count for both a science 11 and social studies 11 grad credits.

## **Physics 11**

**1 Semester**

**4 Graduation Credits**

**Strongly Recommend: Science 10 as well as 65% in Foundations of Mathematics 10 or prior completion of Math 11**

Physics 11 gives students an opportunity to explore some of the main principles and concepts in Physics. Students will be required to do formal experiments and to complete laboratory and problem assignments. This course meets the requirements for entrance to Physics 12 and post-secondary institutions. If you are concerned about your mathematical skills for Physics 11, you should take either Pre-Calculus 11 or Foundations of Mathematics 11 before taking this course.

## **Physics and Engineering 11**

**1 Semester**

**8 Graduation Credits**

**Strongly Recommend: Science 10 as well as 65% in Foundations and Pre-Calculus Mathematics 10 or prior completion of Math 11**

Physics and Engineering 11 gives students an opportunity to explore some of the main principles and concepts in Physics by creating robotic and engineering projects and then using their creations to perform physics experiments. There will be 2 major projects and several minor projects throughout the course. This course is 8 credits and will require a 2-block commitment throughout the year. Students will be required to do formal experiments and to complete laboratory and problem assignments. This course meets the requirements for entrance to Physics 12 and post-secondary institutions.

## **Life Science 11**

**1 Semester**

**4 Graduation Credits**

**Strongly Recommend: Science 10**

Life Science (AKA Biology) is the study of living organisms and life processes. It is a survey course looking at examples of all kinds of life forms. Their evolutionary and environmental relationships are also explored. Participation in the dissection of preserved specimens is considered an integral part of the course. Life Science 11 is an academic science course that meets requirements for entrance to Anatomy and Physiology 12 (Formerly known as Biology 12) and post-secondary institutions. This is a heavy content course, at least a C+ in Science 10 is recommended.

## **Chemistry 11**

**1 Semester**

**4 Graduation Credits**

**Strongly Recommend: Science 10**

**Recommended: 65% in Math 10 or completion of Math 11. As well as a strong standing in the Chemistry section of Science 10**

Chemistry 11 offers the student the chance to interpret everyday events in terms of chemical concepts and principles. The student will perform several laboratory experiments to develop and reinforce the concepts learned. This is a heavy content course, at least a C+ in Science 10 is recommended.

## **Anatomy and Physiology**

**1 Semester**

**4 Graduation Credits**

**Strongly Recommend: Biology 11 (It is recommended that a mark of 67% or better be achieved in Biology 11)**

Anatomy and Physiology 12 (AKA Biology 12) is an academic science course that is weighted toward cells and human biology systems. Participation in the dissection of preserved specimens is considered an integral part of this course. This course prepares students for post-secondary programs that require a biology background and can also be for interest in learning how body systems interact.



## Chemistry 12

**1 Semester**

**4 Graduation Credits**

**Strongly Recommend: Chemistry 11, and a mark of 67% or better in Math 11**

Chemistry covers in detail the theory of why chemical reactions occur. Unlike Chemistry 11 which touches on several topics, Chemistry 12 studies 5 detailed units. Students are required to perform various experiments and turn in thorough lab reports. This course may be used as an academic Grade 12 level course for university entrance.

## Earth Sciences 11

**1 Semester**

**4 Graduation Credits**

**Strongly Recommend: Science 10**

Earth Science 11 is an introductory course into the fascinating fields of astronomy, geology and atmospheric sciences. Students will learn about stars and galaxies, planets and moons, and focus in on aspects of our own planet, including the formation and identification of rocks and minerals, the causes of earthquakes and volcanic activity, and the reasons why we get so much rain in the winter. This course is suitable for students who are strong in the sciences as well as those who are looking for a science credit towards graduation.

## Physics 12

**1 Semester**

**4 Graduation Credits**

**Strongly Recommend: Physics 11, and recommended 73% in Physics 11 and Mathematics 11**

Physics 12 is a pre-requisite course for most post-secondary science programs and is strongly recommended for serious science students. It covers less topics than in Physics 11, but in more detail with a higher degree of mathematical analysis and a significantly higher level of difficulty. Fewer but more in-depth laboratory experiments reinforce various concepts in the course. Physics 12 may be used as an academic Grade 12 level course for university entrance.


## Physical Geography 12 (Does not meet the Science grad requirement)

Did you know that the University of Victoria accepts Physical Geography 12 as an entry course for the Faculty of Science? Why? This course is very similar to Geology 12 (3 of the 5 Big Ideas and much of the course content is the same). Physical Geography is an exciting physical and environmental studies course where we look at the potential hazards and damages earthquakes and volcanoes cause to human populations. We look at severe weather and find out why hurricanes and tornadoes do so much damage to buildings and people's lives. We will get an idea as to why avalanches are so dangerous and see how this and other forms of "mass wasting" impacts where we live and what we do. We also look at rivers, oceans, glaciers, deserts and the impact that human beings have on the earth. We end the course by examining our future on the planet in order to see what we are doing and examine what steps we can make to live in a more sustainable way. Students taking this class are eligible to go on the Mt. St. Helen's Field Trip.

# SOCIAL STUDIES

## Aspire to Action 11/12

This program is a unique opportunity for highly motivated senior students to pursue the traditional academic requirements in an integrated studies program that combines academics with experiential learning in the community. This one semester program begins in February at Georges P. Vanier Secondary School and is open to all grade 10, 11, and 12 students at Georges P. Vanier.

Are You?	Integrated Academics	Potential Activities/Field Trips
<ul style="list-style-type: none"> <li>Interested in Social Justice causes like anti-racism and LGBTQ2+ rights or Black Lives Matter?</li> <li>Curious about how to solve problems in your local community?</li> <li>Wanting to make a real difference with groups who are less fortunate around the world?</li> <li>Concerned about Environmental justice issues?</li> <li>Interested in Indigenous issues and history?</li> <li>Excited about learning outside of the classroom?</li> <li>Interested in taking field trips outside the Comox Valley?</li> <li>Wanting to maximize your credits and fast-track your graduation?</li> <li>Passionate about leading school campaigns to raise awareness or make a difference?</li> </ul>	<ul style="list-style-type: none"> <li>English First Peoples 11 or 12 (4 Credits)</li> <li>Community Outreach and Action 11 or 12 (4 Credits)</li> <li>Capstone (2 Grad Credits)</li> <li>30 Hours for Grad</li> </ul> <p><b>Will include 2 of the following:</b></p> <ul style="list-style-type: none"> <li>Social Justice 12 (4 Credits)</li> <li>BC First Peoples 12 (4 Credits)</li> <li>Genocide Studies 12 (4 Credits)</li> <li>Political Science 12 (4 Credits)</li> </ul> <p><b>Total: 16 Credits</b></p> 	<ul style="list-style-type: none"> <li>Vancouver Holocaust Education Center</li> <li>Victoria Pride</li> <li>Student Driven Community Projects</li> <li>Museum Trips</li> <li>Vancouver Overnight</li> <li>Tribune Bay Outdoor Education Centre</li> <li>School Garden Tending</li> <li>St. Michael's and Residential Schooling</li> <li>Weekly Service-Learning Days</li> <li>Black History Month</li> <li>Red Dress Campaign</li> <li>Pride Month</li> <li>Indigenous History Month</li> <li>Intl Day Against Homophobia/Transphobia</li> <li>Chanie Wenjack Walk</li> <li>Refugee Rights Day</li> </ul>

### ADVANTAGES OF ASPIRE:

- Education through integrated studies and blended learning
- Experiential learning outside of the classroom (30 Graduation Hours)
- Field trips all over Vancouver Island (no class time missed)
- 16 Credits in one semester
- Member of an inclusive team
- Memories to last a lifetime
- Capstone (2 Credits)

For further information about Aspire check out the link on the GP Vanier school web site or see Mr. Merrick or Ms. Keyworth Janzen \* Contains additional costs for potential overnight course activities in Victoria/Vancouver that can be offset by fundraising opportunities through the program.

## **Social Studies 8**

This course covers various historical and philosophical events from 500 to 1600 AD. It covers society and culture including world religions and the Renaissance, Politics and Law, Economy and Technology including the change from rural to urban life and the environment including land use and population. Current events and a First Nations component will also be included.

## **Introductory Law 9/10**

### **1 Term**

### **2 Graduation Credits at Grade 10 Level**

Introduction to Law takes you to the scene of the crime, to the crime lab, into the heads of investigators and through the legal process from arrest to trial. You'll get a chance to hone your sleuthing skills, working to solve crimes. You'll find case files describing how police solve crimes and catch criminals, some as real as the latest police report, some made up of details from several cases. You'll walk, step by step, through every stage of the criminal justice system and we will debunk a few myths about the police and the courts in Canada. Topics include: Criminology, Criminal Pathology (profiling), Crime Scene Investigation, Forensic Science, Arrests, Searches, Trials and Sentencing.

## **Social Studies 9**

### **1 Semester**

### **No Graduation Credits**

Grade 9 Social Studies deals with some big ideas that affected local, national and international people and events from 1750-1919. We'll look at how emerging ideas (like political, social, economic and technological revolutions) profoundly influenced societies. We'll examine how the physical geographic world influenced political, social and economic change. We'll try to understand how unequal power structures influenced where people lived and moved to and caused conflict between and among societies. Lastly we'll try to find out how collective identity is created and see how nations build their character.

## **Social Studies 10**

### **1 Semester**

### **4 Graduation Credits**

Social Studies 10 examines concepts and content from post World War I history up to the present day from a Canadian perspective. Students will continue to develop historical thinking skills (significance, evidence, continuity and change, cause and consequence, perspective-taking, ethical judgment) to examine the following "Big Ideas": • Local, national, and global conflict can have lasting effects on the contemporary world. • The development of political organizations is influenced by economic, social, ideological, and geographical factors. • Political decision making and societal change are influenced by interactions between individuals, groups, and institutions. • Developments in Canadian society can be viewed in many different ways depending on an individual's world-view or perspective.

## **Social Justice 12**

### **1 Semester**

### **4 Graduation Credits**

Are you interested in learning Social Studies with a blend of activism? If so, take Social Justice 11/12! We will explore both historical and contemporary injustices in Canada and globally. You will be exposed to a wide variety of topics that will allow you to gain the critical thinking and research skills needed for post-secondary. We will explore changes and continuities, interconnections, and differing perspectives and worldviews. You will be exposed to a wide variety of content that will allow you to build a personal understanding of the global state of injustices and how we are currently dealing with these issues. Your learning will go beyond the classroom. The course encompasses locally developed learning resources, guest speakers, field studies, and volunteer/service-learning.

## **BC First Peoples 12**

**1 Semester**

**4 Graduation Credits**

**Strongly Recommend: Social Studies 10**

This course will focus on the varied identities and worldviews of Indigenous peoples, and the importance of the interconnection of family relationships, language, culture and the land. There will be a further exploration of factors that sustain and challenge the identities and worldviews of Indigenous peoples including building an understanding of colonial impacts and the resilience and survival of Indigenous peoples. Students will gain an understanding of the process and issues involved in the development of community partnerships and economic opportunities. This course further examines the responses to inequities in the relationships of indigenous peoples with governments in Canada and globally. Students will have the opportunity to develop an understanding of the Truth and Reconciliation process in Canada and around the world.

## **Comparative Cultures 12**

**1 Semester**

**4 Graduation Credits**

**Strongly Recommend: Social Studies 10**

This course will focus on the themes of definitions of culture and how these have changed over time including the elements of culture and cultural expression, interactions and exchange between cultures and the natural environment. In addition, there will be an examination of conflict and conflict resolution within and between cultures, the systems of power, authority and governance and what role value and belief systems play in the development of culture.

## **Human Geography 12**

**1 Semester**

**4 Graduation Credits**

**Strongly Recommend: Social Studies 10**

Human Geography is an exciting class that looks at the real world and focuses on the interactions between people, societies and the physical environment through time and across the globe. We'll look at different languages, religions, and ethnicities to see how they shape the various cultures across the planet. We will explore the diverse ways in which people affect the world around them and how they are affected by their surroundings, examining contemporary issues such as: poverty; sustainability; resource consumption; and climate change. We will see the relationship between human activities and their impact on the environment, the challenges the world faces with urbanization and the uneven access to health and food. In Human Geography, you will appreciate our shared responsibility as a citizen of an interconnected world in order to deal with the problems we face at local, regional, national and international levels.

## **Social and Environmental Studies 11**

**1 Semester**

**8 Graduation Credits (4 Science 11 and 4 Social Studies 11)**

**Strongly Recommend: Social Studies 10, and Science 10**

SES 11/12 is a survey course into the effects of human interactions on our environment and the sustainability of ecosystems. Throughout this course students will explore the ramifications of the decisions made by different cultures and governments about the environment. There will also be study of the implementation of future solutions from a scientific/social justice and indigenous point of view. SES is a student driven project-based course that will involve field studies and hands-on exploration of our local environment. This course is an 8-credit course that will count for both a science 11 and social studies 11 grad credits.

## **Criminology 12 (Does not meet the social studies graduation requirement)**

**1 Semester**

**4 Graduation Credits**

**Strongly Recommend: Social Studies 11**

What is crime? What causes some people to commit crimes, while others do not? Where do we get all of our information about crime? In this fun Humanities class, we look at crime theories, crime typology and trends in crime to see how that shows up in the values of society through the media we consume. We'll look at a general history of crime and see and some

big ideas about the reasons people commit crime. We'll look at why people become crime victims and try to see patterns in Canadian crime. We'll focus on the different types of crime, understand how much of it happens in Canada (and why), look at how we try to deal with crime and see how books, crime novels, movies, television shows, news broadcasts and webisodes show crime and to figure out what that says about who we are as a society. We'll understand why crime television shows like Criminal Minds, Elementary, Gotham, American Crime Story or How to Get Away with Murder are the first ones to reflect what is really going on within North American society. The different types of crime we'll examine include violent crime, property crime, white collar/enterprise/business crimes, organized/gang crime and crimes of a social nature (gambling, drug use and the sex trade).

## **Physical Geography 12**

**1 Semester**

**4 Graduation Credits**

**Strongly Recommend: Social Studies 11**

Did you ever watch one of those natural disaster movies like "Into the Storm" or "San Andreas" and wonder whether what happened in the movie was real? Physical Geography is an exciting physical and environmental studies humanities course that helps to try to answer those questions. In Physical Geography we get to look at the potential hazards and damages earthquakes and volcanoes cause to human populations. We look at severe weather and find out why hurricanes and tornadoes do so much damage to buildings and people's lives. We will get an idea as to why avalanches are so dangerous and see how this and other forms of "mass wasting" impacts where we live and what we do. We also look at rivers, oceans, glaciers, deserts and the impact that human beings have on the earth. We end the course by examining our future on the planet in order to see what we are doing and examine what steps we can make to live in a more sustainable way. ***Students taking this class are eligible to go on the Mt. St. Helen's Field Trip.***

## **20<sup>th</sup> Century World History 12**

**1 Semester**

**4 Graduation Credits**

History 12 examines the major events of the 20<sup>th</sup> century. It concentrates on the years between 1919 and 1991, with an emphasis on the West and its relation to world affairs. Topics explored will include: the world following World War One, the Russian Revolution, establishment of fascist states in Italy and Germany, the Great Depression, World War Two, and the Cold War. The course also investigates portions of Chinese, Indian and South African history. This course will certainly be enjoyed by students who have a keen interest in history.

## **Law Studies 12**

**1 Semester**

**4 Graduation Credits**

**Strongly Recommend: Social Studies 11**

Law 12 is an exciting senior Humanities class that deals with the foundation, structure, and key principles and concepts of the Canadian legal system. Everything in the class revolves around the question "How does the law effect you as a Canadian citizen?" The goal of the class is to help you become a Legally literate citizen...someone who is more likely to become an active, informed, and productive citizen and is better equipped to participate effectively in a democratic society and recognize what conduct is regulated by law. This "issues-based" course explores current legal and social problems that relate to criminal law, civil and human rights, private wrongs, conflict resolution, and family law.

## **Military History (Does not meet the social studies graduation requirement)**

**1 Semester**

**4 Graduation Credits**

This course is intended to give students an understanding of the changing nature of warfare since the beginning of the 20<sup>th</sup> century and its impact on society. 20<sup>th</sup> Century Warfare History examines the causes and consequences of conflicts ranging from The Great War, the Second World War and the Vietnam War. This course is not intended to glorify war, but rather to provide students with important insights into this uniquely destructive side of human nature. In so doing, students will gain an appreciation of how tactics and strategy have affected the development of the last 100 years as much as the fallout from these conflicts has.

## Genocide Studies 12

**1 Semester**

**4 Graduation Credits**

**Does history really repeat itself? Will we ever learn from our past actions and those of others?** Genocide, or the intentional destruction of peoples and their cultures, is not inevitable and such attempts can be disrupted and resisted. Despite international commitments to prohibit genocide, violence targeted against groups of people has continued to challenge global peace and prosperity. This course will examine the reasons for, local and global reaction to, and tangible actions we can take as a global community to end human atrocities. Additionally, the course will focus on the identification and categorization of genocides both past and present using theory like the 10 Stages of Genocide and Cultural Genocide. Students will explore various topics, which may include: the Holocaust, Yugoslavia, First Peoples in North America, Rwanda, Sudan, and the Khmer Rouge

## Psychology 11 – Foundations of Psychology

**1 Semester**

**4 Graduation Credits**

In this course, students will get a basic overview of psychology and principles related to this discipline. The course will focus on topics that include fields of psychology, brain anatomy, methods of psychology, ethics, developmental psychology, intelligence, learning and consciousness. This course is a great background for students planning careers in teaching, health care, social work, and counseling.

## Psychology 12 – Applications of Psychology

**1 Semester**

**4 Graduation Credits**

In this course, students will explore the field of psychology through the lens of how we use our understanding of psychology to improve our lives and overall happiness and mental well-being. The course will focus on topics that include identity, personality theory, nature vs. nurture, mental illness, psychopathy, addiction, treatment and therapy, attraction and relationships, and mental wellness. This course is a good background for students planning careers in teaching, health care, social work and counseling. While successful completion of Psychology 11 is not mandatory, it is highly recommended.

# OTHER OPPORTUNITIES

## Film and Television Studies

**1 Semester**

**4 Graduation Credits**

**Applied Skills: Yes**

**Open to: Grades 11-12**

Do you like movies? Ever think about the way they are made? This class is for students interested in watching engaging films, exploring how they were made and what they have to say in entertaining ways, as well as creating their own films. Film and Television Studies gives students the opportunity to view and reflect on a wide variety of genres, bring their own favorite films for viewing and have fun with the art of filmmaking. Students will learn skills involving criticism, theory, scripting, performance and production aspects of creating movies. The class will have the opportunity to create and collaborate on writing and developing their own films and share them with a wide audience.

## Film and Television Production

**1 Semester**

**4 Graduation Credits**

**Applied Skills: Yes**

**Open to: Grades 11-12**

Ever think about producing your own short film or television series? Are you interested in how to film and develop movies? This class is for students who want to learn the art and skills needed to create film, as well as the simple ways to distribute them! Students will learn moving image elements and principles such as camera technique, lighting and sound, story boarding and editing using industry standard software. The class will collaborate with one another to become familiar with the pre-production and post-production aspects of creating film. Students will have the opportunity to film and edit their own movies and share them with a wide audience.



## Independent Directed Studies (IDS)

Independent-Directed Studies (IDS) allows students to initiate their own learning under teacher supervision. The IDS program allows students to:

- pursue learning outcomes that extend beyond those normally taught in the classroom
- pursue studies independent of the classroom schedule

In order to participate in an IDS course, a student must have demonstrated the ability to work independently and to have prior approval by the principal. Meetings to discuss enrollment in IDS courses must be held in June and September.

***An IDS course must be based on, and extend, approved curriculum.*** It is the responsibility of the student to find a teacher sponsor for the IDS; the teacher must complete the required IDS course form. Working with an educator, the student should help to design, plan and evaluate his or her work. An IDS course plan should include:

- a process for ongoing facilitation and assessment
- criteria for determining successful completion of the IDS
- a credit value (either one, two, three or four credits) and grade level (10, 11 or 12) for the IDS
- elective courses in the 2004 Graduation Program

## Library Assistant

### 1 Term/1 Semester

### 2/4 Graduation Credits

The goal of this TA position is to instill students with the independent, forward thinking and problem-solving work ethic that employers require. Students will learn basic library skills such as how to shelve and organize library materials, as well as create fiction and non-fiction displays. In addition, students are encouraged to use basic computer and technology tools, such as applications software, e-resources and digital media to complete tasks. Furthermore, students may be asked to read fiction and non-fiction resources and create reviews for their peers. Permission from the librarian is needed to take this course. Sign-up for this course must occur through a counsellor - maximum 1 student per block.

## Tourism and Hospitality 12

### 1 Semester

### 4 Graduation Credits

### Applied Skills 11: Yes

Come aboard and discover career opportunities in tourism such as hotel management and front desk operation, adventure and eco-tourism, tour guiding and much more. We will look at industry and post-secondary options in this constantly growing industry. Also included will be national and international travel, some geography related to tourism and travel as a career.

## Yearbook 9-12

### 1 Semester

### 4 Graduation Credits at the Grade 11 Level

### Fine Arts: Yes

Students taking Yearbook will need to provide leadership, initiative and a willingness to accept all tasks that lead to successful completion of our yearbook. This could include writing articles and taking photographs that tell the story of an event, club or team or documenting student life before or after school or during lunch. In addition, you will be involved in the design and layout of pages, proof-reading, image selection and editing. The successful production of the yearbook relies heavily on your leadership in many areas.