

C  
O  
U  
R  
S  
E  
G  
U  
I  
D  
E

2023-  
2024



CARIHI SECONDARY  
SCHOOL

# Table of Contents

Table of Contents	p. 2
Principal's Message	p. 3
Carihi Services, Programs & Counsellors	p. 4 & 5
Programs SD# 72	p. 6
Electives at Carihi	p. 7
External Credits	p. 7
Carihi Courses at a Glance	p. 8
2018 Graduation Program	p. 9
My Credits for Graduation	p. 10
Required Provincial Assessments	p. 11
Grade 9 Welcome to Carihi	p. 12

## Course Descriptions

English	p. 13
Science	p. 14 & 15
Mathematics	p. 16 & 17
Social Studies	p. 18 & 19
Home Economics Food/Textiles	p. 19 & 20
Video Production	p. 20
Studio Tyee	p. 21
Physical Education	p. 22 - 24
Outdoor Experiences	p. 24
Visual & Fine Arts	p. 25
Languages	p. 26 & 27
Performing Arts	p. 27-29
Technical Education	p. 29 & 30
Business Education	p. 30
Integrated Studies	p. 31
Human Services	p. 32
District Programs	p. 33
Extra Curricular Activities	p. 33-34
Career Life Education & Connections & Capstone	p. 35
Work Experience Opportunities	p. 36-37
Post Secondary & Dual Credit Options	p. 37-38
University 1	p. 39

## Helpful Hints

Scholarships & Bursaries	p. 40
10 Steps to Select the Right Post-Sec. School	p. 40
After Secondary School	p. 40

## Course Guide 2023-24

This course booklet describes more than just a catalogue of courses. It describes our support services, and extracurricular activities. All three will be important parts to your new school year. The booklet also contains important information on graduation requirements, dual credit courses, and post-secondary information. Take the time to read about course requirements for each grade, the pathways offered as you move from one grade to the next, and the clubs and activities that offer a way to pursue your passions, and explore new interests as well. Your new school year will bring as many new experiences as you are willing to try. With this, it is also important to keep a balanced lifestyle, to avoid feeling stressed, so you can enjoy your choices. You do not have to explore everything at once.

We create a school timetable based on student course selections. The timetable will first commit to required courses, and then fill in electives. Not all electives that are a student's choice may be in the timetable. There are many considerations when creating a timetable for so many students. That is why it is important to have a list of preferences, but also know that you may not get all the electives you hoped for. But, over the four years, you will most likely experience a wide variety of electives that you are interested.

During this process, it is important that you are mindful of what the required courses are that you must take, and remember that keeping an open mind is important if you are offered the chance to explore something different.

Enjoy the planning process and we look forward to helping you and learning with you in the 2023—2024 school year.

Sincerely,

A handwritten signature in black ink, appearing to read 'Sean McLaughlin', written in a cursive style.

Sean McLaughlin,  
Principal

## **Carihi Services & Programs**

### **Counselling**

Counselling services are available for every student in the school. These services include assistance with course planning, post-secondary planning, career exploration, and personal counselling. The counselling team at Carihi is committed to providing resources and support for students as they make the major transition from adolescence to adulthood. Our counselling team is also connected to community and ministry supports and services. Students may book appointments through email or TEAMS.

Parents and guardians are urged to contact the counsellors at any time with concerns regarding the progress of their student. While our students are able to choose their counsellor according to their personal preferences, we do assign students to each counsellor according to students' last names.

### **Career Development**

Carihi works hard to guide students in the exploration and selection of a career. Work Experience, trades training, and dual credit options with post-secondary institutions are some of the options available. You may wish to check the course descriptions in this booklet to determine which subject areas currently offer options or dual credit options into post-secondary institutions. See your counsellor for more information.

### **Indigenous Connections**

The Indigenous Connections is a unique program designed to provide cultural, academic, and social-emotional connections for Indigenous students. The incorporation of Indigenous perspectives and ways of knowing provides students with opportunities to engage in their school experience through an Indigenous lens. The main goal is to facilitate a welcoming environment, that is rich in learning, connections and supports. Our Indigenous Support Teacher reaches out to students to provide these one-on-one and small group opportunities at different times throughout the year.

### **Indigenous Youth Care Workers**

Students of Indigenous ancestry are encouraged to access the services of our Indigenous Youth Care Workers who are working out of room E124 and help with academic, social-emotional and personal concerns. They also foster positive connections between families and the school and are able to connect students and families to community resources. Our Indigenous Youth Care Workers are available throughout the day. You can access this service by contacting them directly, or through school counsellors or teachers.

### **Youth Care Worker**

Our Youth Care Worker supports and advocates for students needing assistance with managing everyday situations that impact their ability to function and grow in positive ways. Students receive guidance with social, emotional and academic challenges through a collaborative approach towards achieving their personal success in school and the community.

### **Learning Commons**

Our Learning Commons provides a welcoming collaboration, reading and study space for students and staff! Our latest addition is a sound and video recording studio for student use. We have a wide selection of current novels and non-fiction books, plus provide access to many current news, reference and academic articles via online databases. Students may also download e-books and audiobooks to their own devices, or borrow MP3 players which contain a variety of fiction audiobooks. Before school, after school and during breaks students are welcome to use the library computers and printer to work on and print school assignments. Students are invited to ask the teacher-librarians for assistance when researching or just looking for a good book to read! Our library catalog, which includes e-books and access to databases, is online at [library.sd72.bc.ca](http://library.sd72.bc.ca).

### **English Language Learning**

In School District 72, our English Language Learning Program offers additional services to provide academic and social support throughout the school year for English Language Learning students. Support is facilitated by our District ELL Coordinator. The program goals are to support the development and proficiency of a student's:

- Oral language through listening and speaking activities
- Academic reading and writing skills
- Academic and social vocabulary acquisition
- Pride in sharing of their home culture as well as building an understanding of Canadian culture

### **Skills For Life Program (SFL)**

SFL is designed to meet the individual programming needs of students on evergreen programming. The focus of the program is to enhance self-esteem in conjunction with the teaching of academics and life skills. The program is designed to promote self-advocacy skills while transitioning into the community and the workplace. These skills are taught in the SFL class, integrated classes, the school, and a variety of community settings.

### **Learning Support Services**

Our Learning Support Teachers work collaboratively with teachers and students to set and reach goals to improve learning. They are skilled in teaching strategies that will build literacy and numeracy skills. Our team is also skilled in providing strategies and support in personal awareness and self-regulation. It is an integrated model which embeds support in the classroom, but also offers opportunities for small group and one-on-one intervention.

### **Counsellors:**



**Mrs. Larocque-Walker**  
Students with last name A-G



**Ms. Lloyd**  
Students with last name M-Z



**Mr. Swanson**  
Students with last name H-L, Mc & Mac  
& International Students

## Robron Centre

- *Alternate Programs*

There are a number of alternate programs at the Robron Centre available to students. Carihi students interested in one of these programs need to make an appointment with their Carihi counsellor. There is a district referral process that is initiated by our school counsellors.

## Special Education

Other services available through this district office include those of school psychologists, physiotherapist, speech therapists, and visual and hearing impaired specialists. All can be reached at 286-4400.

## French Immersion (FI)

Successful completion of these courses earns the student a bilingual high school diploma which gives students the right to attend a French University. Students who wish to leave the French Immersion program and who seek FSL credit should see a counsellor.

<b>FRENCH IMMERSION PROGRAM REQUIREMENTS</b>		
	<b>Required Courses</b>	<b>Elective Courses</b>
Grade 9	Français Langue 9 Sciences Humaines 9 Sciences 9 Mathématiques 9	No specific French Immersion electives needed
Grade 10	FRAL-10	Sciences 10 Sciences Humaines 10
Grade 11	FRAL-11	Histoire du Monde XXe Siecle 12
Grade 12	FRAL-12	
	All FRAL 10-12 courses are required to graduate with a bilingual diploma	These three electives are required to graduate with a bilingual diploma

## Electives at Carihi

Students at Carihi are fortunate to choose from a wide variety of electives that offer opportunities to explore and find that passion. We encourage students to experience a number of our introductory courses, particularly in grades 9 and 10 in order to decide which areas to explore more fully. Of course, introductory courses are open to students in all grades and are designed to be a starting point for students. Intermediate and advanced courses are designed for students with some previous experience in those areas. As well, a number of our courses are multi-grade with the idea that like-minded students can share their interests and passions regardless of where their skills are on the continuum.

Because elective offerings are driven by student selection, it is important to choose carefully. Not all elective courses that are offered in this Course Guide are actually scheduled in the final timetable. For example, an elective course that only has a few requests will not be able to run. There are also other important considerations in a timetable. Therefore, it is important to have three choices in mind, while keeping an open mind to exploring other possibilities.

### Introductory Courses

- Applied Sciences 9/10
- French 9
- Shop-Technology 9/10
- Band 9
- Drama 9/10
- Power Mechanics 9/10
- Spanish 9 (Spanish Level 1)

### Multi Grade Offerings (some grade combinations may change due to scheduling)

- Acting 10-12
- Baking 10-12
- Basketball 9-2
- Chef Training 10-12
- Crafts 9-12
- Digital Media (Studio Tyee) 9-12
- Entrepreneurship 9-12
- Foods 9-12
- Forestry 10-12
- Guitar 9-12
- Kwa'kwa'la 9-12
- Sculpture and Ceramics 10-12
- Spanish Levels 2 & 3
- Volleyball 9-12
- Jazz Band 9-12
- Contemporary Music 10 & 12
- Art Studio 9-12
- Baseball 9-12
- Culinary Arts 9-12
- Community of Writers 9-12
- Choir 9-12
- Drafting 10-12
- Fly Fishing 10-12
- French 10 & 11/12
- Hockey 9-12
- Outdoor Education 9/10
- Soccer 9-12
- Video Production 9-12
- Yearbook 9-12
- Concert Band 9-12
- Music Production & Recording
- Textiles 9-12

### Electives Occurring Outside of the Timetable

- Sports Leadership 9-12 (mornings, lunch, and after school)
- Leadership 9-12 (mornings)
- Yearbook (lunch hour)
- Musical Theatre 9-12 (after school)
- Carihi Choir 9-12 (after school)
- Concert Band 10-12 (mornings)
- Jazz Band 10-12 (mornings)
- Contemporary Music 10 & 12—Rock School (after school)

### External Credits

Get credits toward graduation for activities outside of school! Students can earn external credit through various activities in the community. Some of these include:

- taking driving lessons
- upper levels of Cadets
- playing on a Provincial level sports team
- upper level piano
- Lifeguarding
- first aid training

## Carihi Courses at a Glance

Required Courses			
Grade 9	Grade 10	Grade 11	Grade 12
English 9 Mathematics 9 Mathematiques 9 (FI) Social Studies 9 Sciences Humaines 9 (FI) Science 9 Sciences 9 (FI) FRAL 9 (FI) FRALP 9 (Francophone) Any PE 9 Careers 9 CLC	English 10 Any Math 10 course Social Studies 10 Sciences Humaines 10 (FI) Science 10 Sciences 10 (FI) FRAL 10 FRALP 10 Career Life Connection 10 (out of timetable) Any PE 10	English 11 Any Math 11 Any Social Studies 11 or 12 Any Science 11 or 12 FRAL 11 FRALP 11 Career Life Education (CLE 11) Histoire du Monde XXe Siecle 12	English 12 FRAL 12 FRALP 12 Career Life Connections 12 (Out of timetable)
Electives			
Grade 9	Grade 10	Grade 11	Grade 12
All grade 9 PE courses Applied Science Art Band Cafeteria Choir Crafts Entrepreneurship Food Studies French Guitar Video Production Digital Media Drama Power Mechanics Shop-Technology Leadership Kwa'kwa'la Musical Theatre Outdoor Education Spanish Level 1 Sports Leadership Community of Writers Yearbook  <b>French Immersion see p. 6</b>	All grade 10 PE courses All grade 9 electives  <b>Plus:</b>  Acting Baking Ceramics Concert Band Drafting Fly Fishing Salmon Fishing Jazz Band Leadership Mechanics Metalwork Music Composition Robotics Spanish Level 1 or 2 Video Production Woodwork Spanish Level 2 & 3 Contemporary Music  <b>French Immersion see p. 6</b>	All grade 11/12 PE courses Most grade 9 & 10 electives  <b>Plus:</b>  Automotive Anatomy and Physiology 12 Life Sciences 11 Chemistry 11 & 12 Comparative Civilizations 12 Earth Science 11 First Peoples Studies 12 Forestry Program House Construction Law 11/12 Social Studies 11 Outdoor Adventures (Timberline) Physics 11 & 12 Political Studies 12 Psychology 11 & 12 Social Justice & Genocide Stud. Stream to Sea (Timberline) 20th Century World History 12 Geography 12  <b>French Immersion see p. 6</b>	All grade 11/12 PE courses Most grade 9 to 11 electives  <b>Plus:</b>  TRNN (Trades) Programs University 1 Dual Credit Work Experience  <b>French Immersion see p. 6</b>



## BC 2018 Graduation Program Requirements for a Dogwood Diploma

<i>Required Courses</i>	
Course	Number of Credits
English 10	4
Literary Studies 11	4
English Studies 12	4
Social Studies 10	4
A Social Studies 11 or 12 course	4
Science 10	4
A Science 11 or 12 course	4
A Mathematics 10 course	4
A Mathematics 11 or 12 course	4
Physical Education 10	4
One course from Fine Arts/Applied Skills 10, 11 or 12	4
<b>Total Required Courses:</b>	<b>44</b>
<i>Elective Credits</i>	
<i>Students must earn a minimum of 28 elective credits:</i>	
<ul style="list-style-type: none"> <li>· Grade 10, 11 or 12 Ministry-Developed or Ministry Approved courses</li> <li>· External Credentials (some might serve as Required Credits)</li> <li>· Board Authority/Authorized courses</li> <li>· Post-Secondary credits and or</li> <li>· Independent Directed Studies</li> </ul>	
<b>Total Elective Credits:</b>	<b>28</b>
<i>Career Program</i>	
Career Life Education & Career Life Connections & Capstone	8
<b>Overall (minimal) Total:</b>	<b>80</b>

- ◇ A minimum of 16 credits at a grade 12 level (not including career program courses)
- ◇ 30 hours work experience
- ◇ Graduation Provincial Assessments (see p. 11)

## My Credits for Graduation

*Use this page to plan or keep track of your graduation credits, as outlined in the ministry requirements on page 9.*

Grade 10		Grade 11		Grade 12	
English 10		English 11 FP		English 12	
Career Life Connections 10	OT	Social Studies 11 or 12 (F)		Career Life Connections 12 / Capstone	OT
Social Studies 10		Science 11 or 12		.....	
Science 10		Math 11 or 12		.....	
Math 10		Career Life Education 11		.....	
P.E. 10		.....		.....	
.....10		.....		.....	
.....10		.....		.....	
.....10				.....	
<b><i>French Immersion see page 6 for specific requirements in each grade</i></b>					
				30 hours of Volunteer Experience	
Grade 10 Year Total:		Grade 11 Year Total:		Grade 12 Year Total:	
<b>Grand Total over 3 graduation years:</b>					
<b>Minimum Total of 80 Credits</b> <b>4 Credits Fine Arts/Applied Skill 10, 11 or 12</b>					

## Required Graduation Provincial Assessments

There are three Provincial Graduation Assessments that are graduation requirements: the Grade 10 Numeracy Assessment, the Grade 10 Literacy Assessment, and the Grade 12 Literacy Assessment. French Immersion and Program Francophone students have extra provincial assessment requirements.

English Program	French Immersion	Program Francophone
Grade 10 Numeracy Assessment	Grade 10 Numeracy Assessment	Grade 10 Numeracy Assessment
Grade 10 Literacy Assessment	Grade 10 Literacy Assessment	Grade 10 Literacy Assessment
Grade 12 Literacy Assessment	Grade 12 Literacy Assessment  Evaluation de Litteratie de la 12 annee	Evaluation de Litteratie de la 10 annee (Francais langue premiere)  Grade 12 Literacy Assessment  Evaluation de Litteratie de la 12 annee

- There will be an opportunity for students to re-write the Provincial Graduation Assessments to improve their achievement level. Until graduation, students may write a Provincial Graduation Assessment up to three times: the original attempt and two re-writes. The best outcome for each of the Provincial Graduation Assessments will be recorded on the student's transcripts.
- The ministry designates specific times in the year for the assessment to take place and each school registers their own students and sets up a schedule. It is important that students arrive on their designated day/time.

More information can be found at: [Provincial Assessment | Building Student Success - B.C. Curriculum \(gov.bc.ca\)](https://www2.gov.bc.ca/gov2/education/curriculum_framework/provincial_assessment/building_student_success)



## Grade 9 Welcome to Carihi

Our hope is that Grade 9 students take advantage of all that Carihi has to offer. We strive to make the transition from middle school to high school a successful one in preparation for students to enter into the Graduation Program. Students at Carihi have the opportunity to choose from a number of different programs, and as a result, we want students to make informed decisions with regards to which classes and programs that interest them the most. There are situations in which a student may not get their preferred electives, but we try our best.

*Use this page to plan and keep track of your grade nine courses.*

English Track		French Immersion Student		District #93 Student	
English 09		English 09		English 09	
Mathematics 09		Mathematiques 09		Mathematiques 09	
Science 09		Sciences 09		Sciences 09	
Social Studies 09		Sciences Humaines 09		Sciences Humaines 09	
Any PE 09		Français Langue 09		Français Langue P. 09	
+ 3 Electives:		Any PE 09		Any PE 09	
.....09		+ 2 Electives:		+ 2 Electives:	
.....09		..... 09		..... 09	
.....09		..... 09		..... 09	
+2 Alternatives:		+2 Alternatives:		+2 Alternatives:	
.....09		.....09		.....09	
.....09		.....09		.....09	

*Students are to fill in all blanks. Students should select at least one course from the Fine Arts Electives and one course from the Applied Skills Electives. Remaining courses may be chosen from any of the elective boxes. Students may consider taking a second language elective as some universities still require a language 11 as a pre-requisite for certain programs.*

Applied Skills Electives	Fine Arts Electives	Physical Education
Applied Sciences Culinary Arts / Cafeteria Introduction to Power Mechanics Food Studies Intro to Technical Education	Art Foundations Introduction Digital Media Introduction Drama Guitar Crafts 09 Introduction Video Productions Community of Writers 09 Choir 09 Concert Band 9-12 Jazz Band 9-12	Fitness & Conditioning Active Living Soccer Basketball Baseball Hockey Academy 9-12 Volleyball
<b>(Leadership Elective)</b>		<b>Language Elective</b>
Leadership		French 09 Kwa'kwa'la 09 Spanish 9—Level 1

## English

### English 9 (Required)

Students will begin to develop skills in formal and narrative writing, with emphasis on strong sentences, and paragraphs, and clear communication. Students will demonstrate skills in writing, reading and listening through the study of a variety of genres, including novel, short story, poetry, drama, and alternate texts.

### Literary Studies 10 (previously English 10) (Required)

English 10 will be offered as a collection of five major course topics: Composition; Creative Writing; Literary Studies; New Media; Spoken Language. The early focus in this course is mastery of basic grade ten English skills. As the course progresses, these skills will then be applied and further developed within those five main topics.

### Literary Studies 11 (previously English 11) (Required)

Students will continue to develop skills in formal and narrative writing, with emphasis on essay writing, a deeper level of formal analysis, and clarity in writing, both expository and narrative. Students will demonstrate skills in writing, reading and listening through the study of a variety of genres, including novel, short story, poetry, drama, and alternate texts. The main focus of this course is Literary Studies, together with Composition, Creative Writing, New Media, and Spoken Language.

### English Studies 12 (Required)

English 12 students will continue to develop skills in formal and narrative writing, with emphasis on essay writing, a deeper level of formal analysis, and clarity in writing, both expository and narrative. Students will be able to articulate their thoughts about writing and interpreting text, at a higher level. Students will demonstrate skills in writing, reading and listening through the study of a variety of genres, including novel, short story, poetry, drama, and alternate texts.

### English First Peoples 12 (fulfills English 12 requirement)

English 12 First Peoples is the academic equivalent of English 12, both of which are equivalent in rigour and high expectations. It is intended for all students, both Indigenous and non-Indigenous. It explores Indigenous worldviews through the study of various forms of text – including oral story, poetry, dramatic work, dance, song, film, and fiction and non-fiction prose, created by local, Canadian, and international Indigenous writers, artists, and cultures.

### Literary Studies 12 (Elective)

English Literature 12 presents a thematic or chronological survey of major British and Commonwealth writers and their works from Classical to Modern times. The course is intended to enable students to develop skills in reading, understanding, discussing and appreciating the literature, particularly poetry and dramas, of times other than our own. Emphasis is placed upon the authors' relationships to the times in which they lived, to provide an awareness of our cultural heritage and a perspective for contemporary literature.

### Community of Writers 9 to 12 (Elective)

This is a course that is both community and participation based. Though the course is designed to teach and facilitate writing, equally as important, the course is a creative outlet for students to generate, write, and share their creativity with peers. This is a multi-grade course where beginning and intermediate writers share in the practice of creative writing. During your time, you will sample from a variety of writing styles, including memoirs, short stories, film reviews, journals, and other bits and pieces throughout. You will have the opportunity to share your writing with others to celebrate your unique style and to seek input from others. If you join this class, be prepared to be a part of a community focused classroom, experience writing workshops, build a writing portfolio, and learning new techniques to hone your craft and writing voice.

## Science

### Science 9 (Required)

Building on laboratory skills and the methods of scientific inquiry introduced in Grade 8, students discover some of the more basic principles of Physics, Chemistry and Biology. The chemistry unit studies atoms, elements and compounds. The Biology unit examines the structure of cells and reproduction. In physics, students will investigate the characteristics of electricity, and space exploration.

### Sciences 9 - French Immersion and Programme Francophone (Required)

This is a compulsory course taken by French Immersion and Program Francophone students with the identical curriculum to Science 9 and taught in French.

### Applied Sciences 9 & 10 (Elective)

This course combines astronomy, robotics, and probability of games. Students will build rockets, explore black holes, make VEX robots do cool things, and learn how math can make you better at games! This is a fun elective for Math, Science, and engineering enthusiasts. This course is only intended to be taken once, so if you have already taken it in grade 9, it is not intended for you to take again in grade 10.

### Astronomy 11-12 (Elective)

Why do some stars seem fainter than others? Are we alone in the universe? How much fuel is left in our sun's gas tank? How far can we see back in time using a telescope? If we were able to travel to another planetary system, how long would it take? Why are there craters on the moon and why not as many on the Earth? These are some examples of questions as you explore astronomical phenomena.

### Science 10 (Required)

Do you have a curious mind? Think about these things:

- What causes some things to explode, while others won't?
- What causes red tide and poisonous oysters and clams?
- Why is Vancouver Island so likely to experience a major earthquake?
- What is the truth about global warming?

These and many other fascinating details of our every day life are explored in this wide ranging course, as we examine the fields of Chemistry, Biology, Physics and Earth Science. Through an exciting combination of discussions, labs and demonstrations, you will develop important skills and thrill your mind. Besides being an exciting adventure of the mind, this is a required core course for graduating from high school.

### Sciences 10 - French Immersion & Programme Francophone (Required)

This is a compulsory course taken by French Immersion and Program Francophone students with the identical curriculum to Science 10 and taught in French.

### Earth Science 11 (Science requirement or an elective)

An exploration of the major cycles that affect every aspect of life including: weather, climate and air movement, plate tectonics, volcanic eruptions, rocks and minerals, the earth's environment, sustainability, energy resources, and survival of living things. Hands on labs, research and field studies allow a closer look at scientific issues that affect all of us. Earth Sciences 11 is a course designed for students who are excited by the workings of the natural world around them.

### **Robotics 10-12 (Applied Skill Elective)**

This course is designed for students who enjoyed Introductory Robotics and who would like to take their robotics skills to the next level in a room of like-minded robot jockeys. Students will be adding sensor usage and autonomous robotic programming to their set of Robotics competencies. Students will also be challenged with more complex design requirements and with higher expectations for the quality of their basic construction. This is a project based course that requires students to work in a team to tackle design challenges in a positive, constructive and timely fashion. Applied Sciences 9 & 10 is recommended before taking this course.

### **Life Sciences 11 (Science requirement or an elective)**

This is a course designed to introduce students to the history and diversity of life on earth. Areas of study include cells, DNA, taxonomy, evolution, microbiology (bacteria, viruses, protists), fungi, plants, and animals. Laboratory work, including microscopy, bacterial cultures, and dissection are a key part of this course. Students will also complete an inquiry project linked to the curricular competencies and content of this course.

### **Chemistry 11 (Science requirement or an elective)**

This course reviews and develops a number of topics from Science 8, 9, and 10, including the classification of matter, the periodic table, atomic structure, chemical bonding, chemical formulas and basic chemical reactions. In addition, more quantitative concepts including the mole, stoichiometry and concentration of solutions are introduced, leading into various techniques of analytical chemistry. A short introduction to organic chemistry completes the course. Students will be expected to perform a number of laboratory experiments and solve various types of problems.

### **Physics 11 (Science requirement or an elective)**

How fast does light travel? Why does the siren of an ambulance change pitch as it passes you? How many horsepower can you produce? Physics 11 examines numerous laws of physics through laboratory experiments and demonstrations. Topics covered in this course include: motion of objects in one dimension, relativity, energy, and light.

### **Anatomy and Physiology 12 (Science requirement or an elective)**

Investigates the processes and structures that make up the human body and work together to maintain *homeostasis* (balance). The course will examine structures starting at the cellular level (biochemistry, cell biology), and progress to organ systems of the human body (including digestive, respiratory, cardiovascular, urinary, immune, and nervous systems). Laboratory work, experimental design and analysis, and dissections are a key part of this course. Students will also complete an inquiry project linked to the curricular competencies and content of this course. (Life Science 11 is not a prerequisite).

### **Chemistry 12 (Science requirement or an elective)**

This course is developed around the theme of chemical equilibrium. It introduces the factors affecting the rates of reactions and develops the concept of a chemical equilibrium. It then explores the nature of the equilibria involved in saturated solutions, acid-base systems and oxidation / reduction reactions. Applications of these topics in environmental problems and industrial situations are discussed.

### **Physics 12 (Science requirement or an elective)**

Why doesn't the moon fall? Or does it? How much energy passes through your body during an electrical shock? Have you ever wondered why it is harder to start your car on a cold day? These are some of the real-life applications that will be covered in Physics 12. Create a project for the U.B.C. Physics Olympics or find your weight on the loop-de-loop at the P.N.E. all within this fabulous course.

### **Carihi Forestry Program 11 & 12 (Science requirement or an elective)**

Environmental Science 11 and Specialized Science 12 are the courses offered through our Forestry Program. See page 30 for a complete write up. Both courses fill the grad requirement for an 11 or 12 science.

### **Fly Fishing 10—12 (Gr. 11/12 Science requirement or an elective)**

Science for Citizens 11 and Specialized Science 12 are the courses offered through the Fly Fishing Program. See page 30 for a complete write up. Both courses fill the grad requirement for an 11 or 12 Science. This is not a credit for Science 10

**Science is a way of thinking much more than it is a body of knowledge.**  
Carl Sagan

## Mathematics

*The following diagram shows the different paths of mathematics you can choose from, depending on your future plans. Please consult with your school counsellor and current mathematics teacher to see which course is best suited for you. It is important to note that there are opportunities to switch paths if a student's program goal changes.*

<b>Mathematics 9</b>			
<u>Trade Oriented</u>		<u>Technical Trade &amp; University Oriented</u>	
<b>Grade 10</b>	Workplace Math	Foundations of Mathematics and Pre-Calculus	
<b>Grade 11</b>	Workplace Math	Foundations of Mathematics	Pre-Calculus
<b>Grade 12</b>	Workplace Math	Foundations of Mathematics	Pre-Calculus Calculus
<b>Possible Careers</b>	Majority of trades and for direct entry into work-force	Nursing business and finance, liberal arts, tourism, fine arts, fitness, recreation	Science, engineering, mathematics, medicine, pharmacy, dentistry, economics, business

### Mathematics 9 (Required)

This course was designed to provide students with opportunities to develop a broad range of mathematical understandings, attitudes, knowledge and critical thinking skills necessary for everyday life, future course work, and possible careers. Topics include: rational numbers, exponents, polynomials, linear relations, solving linear equations, proportional reasoning, statistics, and financial literacy. After successful completion of Mathematics 9, students will choose one or both of Workplace Math 10 or Foundations of Mathematics and Pre-Calculus 10.

### Mathematiques 9 (Required)

This is a compulsory course taken by French Immersion and Program Francophone students with the identical curriculum to Mathematics 9 and taught in French.

### Workplace Mathematics 10 (Required or Foundations & Pre-Calculus 10)

This course is designed to provide students with the mathematical understandings and critical thinking skills identified for entry into the majority of trades and for direct entry into the work force. Topics include: Unit Pricing and Currency Exchange, Earning an Income, Length, Area and Volume; Mass and Temperature, Statistics and Probability, Similarity of Figures; and Trigonometry of Right Triangles. Successful completion of Workplace Math 10 leads to Workplace Math 11.

### Foundations & Pre-Calculus Mathematics 10 (Required or Workplace Mathematics 10)

This course is designed to provide students with the mathematical understandings and critical thinking skills identified for post-secondary studies. The grade 10 year will set a basis for deciding whether to pursue exclusively the theoretical Pre-Calculus pathway or the more applied Foundations pathway. Some students who are thinking of entering mathematical fields (Mathematics, Computer Studies, Engineering, etc.) may choose both pathways in grade 11. Topics include: Factoring, Powers, Relations, Linear Functions, Arithmetic Sequences, Systems of Linear Equations, Polynomials, Trigonometry and Financial Literacy.



### **Workplace Mathematics 11 (Required or Foundations of Math 11 or Pre-Calculus 11)**

Thinking of the trades or direct entry into the workplace after high school? This is the mathematics pathway for you. Workplace Math 11 is designed to provide students with the mathematical understandings and critical thinking skills identified for entry into the majority of trades and for direct entry into the work force. Topics include working with formulas, financial math (budgets, simple interest, compound interest), rates of change, interpreting graphs, probability and statistics, and representation of 2 and 3-dimensional objects. This course meets the mathematical requirements for graduation and is accepted for entrance into many post-secondary trades programs.

### **Foundations of Mathematics 11 (Required or Pre-Calculus 11 or Workplace 11)**

Want to keep your post-secondary options open but not headed toward Mathematics, Sciences or Engineering? Taking Pre-calculus 11 but like mathematics and want to have a better overall understanding of all mathematical fields? This is your best choice. Foundations 11 is designed to provide students with the mathematical understandings and critical thinking skills identified for entry into post-secondary programs such as Arts or Humanities that do not require the study of theoretical calculus but will require the study of logic or statistics. Topics will include statistics, logic and reasoning, trigonometry, angle relationships, quadratic functions, systems of equations, financial literacy and linear inequalities.

### **Pre-Calculus 11 (Required or Foundations of Math 11 or Workplace Math 11)**

Is math one of your strengths? Thinking of university? This course is for you! Pre-calculus 11 is designed to provide students with the mathematical understandings and critical thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus. Topics will include powers, radical operations and equations, quadratic functions and equations, linear and quadratic inequalities, rational expressions and equations, trigonometry, and financial literacy. This course is the prerequisite course for Pre-calculus 12 which is a requirement to enter university programs such as Sciences, Engineering, Mathematics and Business. Successful completion of Pre-calculus 11 is accepted for entrance into university in the Arts and Humanities as well as many college and trades programs.

### **Foundations of Mathematics 12 (Elective)**

A continuation of the pathway created for those students entering post-secondary programs that do not require the study of theoretical calculus. This academic Mathematics course includes such topics as Functions, Advanced Counting Methods, Advanced Probability, along with Finance Debts and Investments.

### **Pre-Calculus 12 (Elective)**

Thinking of Sciences, Engineering, or Business at University? Pre-Calculus 12, like Pre-Calculus 11, is designed to provide students with mathematical understanding and critical thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus. This course includes the following topics: transformations; exponential and logarithmic functions and equations; polynomial functions, expressions, and equations; rational functions; absolute value and reciprocal functions; trigonometric functions, equations, and identities; unit circle; conics; along with geometric sequences and series.

### **Calculus 12 (Elective)**

This is the course Pre-Calculus courses were preparing you for! You will be introduced to the foundational ideas that lead to Calculus and the basic tools used when doing Calculus. Limits, Differentiation, Integration, and Related Rates are among some of the specific topics that will be covered here. Calculus 12 at Carihi covers roughly two thirds of the content you cover in your first year of post-secondary education!

*Mathematics requirements for post-secondary programs are constantly changing. If you know the program and institution you are interested in, make sure to research the requirements by going to the institution site directly; check the requirements on: <http://educationplannerbc.ca> or visit a school counsellor.*

## Social Studies

### Social Studies 9 (Required)

This course covers various historical and philosophical events in Europe that had a direct impact on the way European North America developed. The three revolutions are discussed and geography, including mapping, is studied. Students will examine what existed in North America before the European invasion and the early results of the European arrival. This course ends with the War of 1812. Current events and a First Nations component will also be included.

### Sciences Humaines 9 French Immersion & Programme Francophone (Required)

This course covers the same curriculum as Social Studies 9 but is taught in the French language. It is a compulsory course for French Immersion and Francophone students. Communication skills are developed.

### Social Studies 10 (Required)

Canada used to be a company called the Hudson Bay Company - What happened? This course involves the study of a variety of historical and environmental topics to help students develop critical thinking skills. Content includes events in Canadian history from Confederation to the 20th Century, including a study of British Columbia, plus little known facts to impress your friends. The Father of Oregon was a Canadian, but the founder of Vancouver was an American.

### Sciences Humaines 10 French Immersion & Program Francophone (Required)

This course covers the same curriculum as Social Studies 10 but is taught in the French language. It is a compulsory course for French Immersion and Programme Francophone students. Communication skills are developed.

### Explorations of Social Studies 11 (Fulfills Social Studies 11 or 12 Requirement)

Using an inquiry approach students will have the opportunity to develop creative and critical thinking skills. This course has the opportunity to investigate three or more topics chosen from a variety of themes that include (History, Geography, Current Events, Political Studies, Urban Studies, Contemporary Indigenous Studies and Law). This course will challenge your thinking and your communication skills and connect you to important relevant topics from the past and present.

### Histoire du Monde au XXe Siècle 12 French Immersion and Programme Francophone (Social Studies 11 & 12 Requirement)

This course covers the same curriculum as 20th Century World History (please see course description below) but is taught in the French language. It is a compulsory course for French Immersion and Programme Francophone students. Current events and communication skills are also a large component of this course.

### Comparative Cultures 12 (Social Studies 11 or 12 requirement)

Through knowing ourselves we can know others. In this course, students will be comparing interactions between belief systems and social organizations. This course helps provide insight and understanding of diverse global cultures and peoples, influencing artistic expressions of cultures. Value and religious belief systems help shape various aspects of human societies, power structures and authority within a culture. Different religions, spiritual and philosophical traditions shape the individual's development of personal insight and the larger sense of self.

### Contemporary Indigenous Studies 12 (Social Studies 11 or 12 requirement)

Contemporary Indigenous Studies 12 brings the historical context of colonialism and the resistance and resilience of Indigenous Peoples into the here and now. Students will look at historical texts, investigate current issues, celebrate culture and ingenuity, work with community members and spend time on the land to build cultural understanding and appreciation.

### 20th Century World History 12 (Social Studies 11 or 12 requirement)

If you enjoy discussions, writing, thinking critically, debating, and history, this is the course for you! While engaging in the listed activities, you will become proficient in the understanding of the forces that shaped the 20th Century. The course examines independence and human rights movements, revolutions and migrations. The emphasis will be on major events between 1914 and present in Russia, China, India, the Middle East, South Africa, and the United States to name a few. World War I, World War II, and the Cold War are additional focus points to make this an enjoyable and rewarding course.

### **Social Justice 12 (Fulfills Social Studies 11 or 12 Requirement)**

Social Justice is the study of fair and equal treatment in society. This course will investigate how various social justice issues impact individuals and groups both locally and internationally. We will analyze the core foundations of identity, privilege and oppression, then apply those concepts to various topics such as racism, gender, LGBTQ, and poverty to name a few. We will foster skills to support and encourage personal involvement in movements and organizations that promote equal and fair treatment of all people.

### **Physical Geography 12 (Fulfills Social Studies 11 or 12 Requirement)**

This course examines how earth's natural processes have an impact on landscape and human settlement. It also explores how interactions between human activities and the atmosphere affect the local and global climate. Through an inquiry process, students will assess and evaluate how human populations, climate and physical geography are interconnected. Students will also use critical thinking skills to make meaning from a variety of information. Aspects of Human Geography may be integrated in the course as well.

### **Law Studies 12 (Fulfills Social Studies 11 or 12 Requirement)**

From school, to work, to home, our laws influence many aspects of our daily lives. With this course students will understand their own legal rights and responsibilities, allowing them to become active and informed citizens. Laws can remain the same from year to year or students will find they change as society's values and world views change. These laws at the municipal, provincial, and federal level are interpreted and these interpretations also evolve over time. Learn about the law and how it affects you.

### **Political Studies 12 (Fulfills Social Studies 11 or 12 Requirement)**

Understanding how political decisions are made is critical for being an informed and engaged citizen. Democracy, government, social and political decisions are shaped by unequal distribution of power and wealth. Economic systems have underlying and often opposing ethical standards and implications that require compromise between countries with wide ranging values and priorities.

### **BC First Nations 12 (Fulfills Social Studies 11 or Grade 12 Requirement)**

BC First Nations Studies 12 is the perfect course to help you understand modern BC. Consider this: First Nations are the youngest and fastest growing group of people in Canada in the 21<sup>st</sup> Century! They are currently in a major phase of cultural reawakening and reinvigoration. They are pushing the boundaries of Canada legally and helping to redefine deeply important Canadian industries including land use, resource management, tourism and more. This is the time to get to understand the incredible, diverse set of Nations that share this part of the continent with Canada. This course will cover a lot of law and history to help you understand key modern issues better, but it will be more than that! We hope to make it a truly memorable experience full of cultural activities. Ideally we will do things like travelling around our region to get to know the landscape more intimately, as well as exploring music, dance, art, food and more. Please join us on this mission to deepen and enrich our understanding of the place we live.

## **Home Economics/Culinary Arts**

### **Culinary Arts 9 to 12 (Applied Skill Elective)**

Learn how to cook in a professional commercial kitchen. As a team we produce food for the school cafeteria, you will circulate through 6 different sections and have a chance to make a variety of dishes including soup, salad, sandwich, short order, and bakery. Develop hands-on skills you can put on your resume to help get a job. Learn how to grow food and make delicious, nutritious meals from the harvest. You will gain practical valuable skills to feed yourself for the rest of your life. If you are interested in pursuing a career as a chef you can connect to the TRNN (p. 37) program and get a head start on your training.

### **Chef Training 10 to 12 (Applied Skill Elective)**

This course is an expansion to our Culinary Arts Program. Chef Training is two courses scheduled over two quarters. Building on the skills in Culinary Arts, you will explore a variety of international cuisines and learn about all their unique ingredients. You will develop hands-on skills to include in your resume to help you get a job. You will earn your Food Safe Certificate as a part of the class. This course will require previous Culinary Arts experience and you will take on a leadership role over lunch serving customers. Classes will include theory and hands on practical skills. We will take field trips to local farms, restaurants and commercial suppliers. You will learn how to grow food in the Carihi garden and make delicious, nutritious meals from the harvest. You will gain practical valuable skills to feed yourself for the rest of your life. If you are interested in pursuing a career as a chef you can connect to the TRNN program and get a head start on your training. There will be a cost for the Food-Safe Certification.

### **Foods 9/10 (Applied Skill elective)**

Launch yourself into the wonderful world of food. Enjoy planning, preparing and eating a number of diverse foods and preparing meals using various cooking skills and techniques. This course is divided into various units including appetizers, pastry, artisan breads, ethnic foods, holiday projects, sweets, and savories, etc. Also included is topics on growing, harvesting, processing, packaging, transporting, marketing, consumption and disposal of food.

### **Foods 11/12 (applied Skill elective)**

Are you becoming a foodie? This course may be just right for you. Building on skills developed in Foods 9/10 this course extends foods into more complex recipes and skills. It also extends the theory of food to include topics such as legislation, regulation, and safety that impacts food and food production.

### **Textiles 9/10 (Applied Skill elective)**

Are you interested in fashion and design? This course will introduce you to the basics of hand and machine construction for producing, repairing, altering, and upcycling items. You will also be introduced to concepts of harvesting raw materials, sustainable growth and production, dying and processing of textiles.

### **Textiles 11/12 (Applied Skill elective)**

Want to take your creativity to a higher level. This course is about fashion and design. It builds on skills developed in Textiles 9/10 and provides students with advanced instruction in combining patterns, drafting fast patterns, draping, reconstruction, and replicating. This course also explores concepts such as labelling, advertising, flammability regulations, hazardous materials, body image, and ethical consumerism.

### **Baking 10-12 (Applied Skill elective)**

How can the exact same ingredients, and exactly the same recipe make such different bakery items? The answer to this puzzle is quite simple. GOOD BAKERS, especially home bakers, ARE MADE NOT BORN!! This course concentrates on flour mixtures and the different methods used in preparing them and includes such things as sweet and savory yeast breads, muffins, cakes, cookies, batters and doughs. Note: There is a commercial aspect to this course, as much of the product will be used for catering services.

## **Video Production**

### **Video Production 9-12 (Elective)**

Video Production is for students who have an interest in learning to produce media. For students without previous experience, we will provide learning experiences that explore the essential elements of video production. Students discover the essence of story and work to express ideas in the visual medium and explore a variety of roles in working with others to produce collective short video projects. Students with previous experience in videography, produce documentaries, short narratives, and promotional videos for entry in the BC Student Film Festival. Students also produce programming that will be shown on SHAW TV.

## Studio Tyee

Studio Tyee offers a selection of information and communications technology opportunities to showcase creative skills and thinking. Within Digital Media, there are many ways to develop new skills while at the same time building on skills you already have. There is a lot in Digital Media to explore with the opportunity to earn credits in other courses.

### Digital Media 9-12 (Applied Skills Elective)

Digital media is a course with many choices. You can learn any (or all) of the following: digital art, programming, photography, music recording and composition, 3D modeling and animation, photo manipulation, website design, pixel art and game development. You explore the area of computers that interest you! While becoming more familiar with the computers and software in the lab, you can 3D print, paint in VR, explore artificial intelligence, learn how to navigate the internet and social media effectively, and even upload your own song to SoundCloud. There are opportunities to get credit for Web Development 10, Computer Programming 11/12, Game Design 10/11/12, Modelling and Animation 10/11/12.

### Digital Photography 10-12 Applied Skills Elective)

Learn the rules of photo composition, how to use the settings on a DSLR camera, and how to work with lighting and other photography equipment, to take intriguing, artistic, creative photos. Find the beauty in small details, capture fleeting moments, and tell a story with your images. While you're at it, why not combine your camera skills with photo manipulation and turn yourself into a zombie?

### Digital Art and Design 10-12 (Applied Skills Elective)

Develop your creativity, skills and style, and apply the elements of art and design to create powerful images and tell stories with your digital art. Learn how to use a suite of free and open source software through both guided and self-directed projects, including Krita for digital painting, drawing, and 2D animation, and Inkscape for illustration and graphic design. Get comfortable using a WACOM drawing tablet that is sensitive to the pressure, speed, and tilt of your hand. Draw with a digital pencil, pen, pastel, watercolors, oil paints, or almost any other brush you could imagine. If you're interested in applying to post-secondary art programs, you can build your portfolio of digital creations in this course.

### Computer Modelling and Animation 10/11/12 (Applied Skills Elective)

Create 3D models, then bring them to life by animating them, or print them on the 3D printer! Learn the principles of box modelling, mesh modelling, rigging, animating, UV mapping and texturing, lighting and rendering. This course uses Blender, a 3D computer graphics program used for creating animated films, visual effects, art, digital sculpting, 3D printed models, and interactive 3D applications.

### Game Design 10/11/12 (Applied Skills Elective)

Create graphically intense 3D levels or a simple 2D platformer using the Godot Game Engine. Learn about level design, asset creation and scripting so you can create all your favourite kinds of games, including mobile, puzzle, 2D, 3D, FPS, RPG and more!

### Web Development 10 and Computer Programming 11/12 (Applied Skills Elective)

In Web Development, create your own web pages from scratch with HTML, CSS, and Javascript. In computer programming, you'll learn the basic structures of all computer programs: variables, conditionals, loops, lists, methods, and objects, while creating simple programs and solving coding challenges. Intermediate topics include virtual environments, object oriented programming, APIs, list comprehension, regular expressions, magic methods, threading, and Django. Advanced programmers will embark on larger projects that suit their passion.



## Physical Health and Education Pathways

Physical and Health Education (PHE) is designed to develop educated citizens who have the knowledge, skills, and understandings they need to be safe, active, and healthy citizens throughout their lives. PHE curriculum focuses on competencies that support life-long learning—competencies that can contribute to personal lives and career aspirations. PHE emerges from two areas of learning, physical education, and health education, that are brought together in order to promote and develop all aspects of well-being. Carihi Secondary values diversity. We believe it as important for students to begin their learning journey from where they are and to stride for their personal best. In PHE this requires many different pathways for our diverse group of students of differing ability levels and needs.



### Ignite Athletic Development 9-12 (PE Elective)

This program introduces athletes to a high performance lifestyle improving their athleticism, physical literacy and fitness through a multi-sport training program which is complimentary to the needs of their current sport. We introduce key body weight and strength training exercises that form the core of many resistance training programs. Athletes will be introduced to key Olympic lifts such as the Clean and Jerk and the Snatch. There will be a fee associated with this course, and it runs outside the timetable: 2 mornings and 1 afternoon per week. Contact your school counsellor for further information. Ignite does not satisfy the requirements for PE-10.

### Sports Leadership Program 9-12 (Applied Skill Elective)

Our Sports Leadership Program is one way for students of all athletic abilities to be involved in physical activities, be it a coach, an organizer, a referee, a volunteer, or a participant. This program has seen many students find a place for their passion and helped them become a part of the wider Carihi community. Our sports leadership students organize and coach school sports, assist with our feeder school teams and have been instrumental in the rebirth of the School District Track Meet. Many of our students are involved with community groups in such capacities as coaching with our Special Olympians, youth soccer and volleyball. They can also be found marshaling at the nationally acclaimed snow to surf event or a local run. The program is divided into junior and senior leadership, with growing autonomy and responsibility as students evolve through the program. Our sports leaders organize our intramural activities and the annual Sports Banquet. Students meet weekly outside the regular time table.

### **Physical and Health Education 9/10 (PE requirement)**

This introductory course is about trying a variety of physical activities to promote a healthy active lifestyle and achieving personal goals no matter what your level of fitness is. As part of health education, students will connect a healthy lifestyle to positive mental health. Students will be introduced to a variety of strength and conditioning methods and routines. Students will learn training etiquette focusing on safety and technique. This course also includes cardio training and learning the basic skills and rules to a variety of sports and games. At Carihi there are many ways to start or continue a path to healthy and active living.

### **Strength & Conditioning 11/12 (PE elective)**

If you enjoyed Physical and Health Education 9/10 this is the course for you! This course offers an advanced version with a focus on strengthening and conditioning. Students will continue to improve their fitness, but at a higher level. You will be learning more training methods focused and specifically developed for your own needs and athletic goals. At the end of this course students will be able to create and use a variety of different training programs. A weekly cardiovascular component will include different cardio challenges and the game time provided allows students to learn and play new sports.

### **Active Living 11/12 (PE elective)**

In this course you will explore how to find your own individual wellness regime. We will explore ways to gain greater health with the body, mind and spirit. There will be activities that include: hiking/running outdoors, gym games, strength training, nutrition and other cardio exercises. There will be learning around mental health and how to better navigate being a more resilient human. There will also be frequent yoga classes, meditation exploration and other activities that foster a better connection with yourself and what makes you feel healthy. Come to this course with an open mind and an open heart.

### **Sports: Basketball, Baseball, Hockey, Volleyball, Soccer**

Our sport specific programs are for all students with an interest in any specific sport, regardless of previous experience and current skills in this sport. Our differently levelled programs, within sports specific courses, allow for students to play who are new to a sport, who just want to experience it, or who are top athletes in this specific sport with ambitions to carry-on after graduation. This variety of offerings will allow any student to develop in and enjoy a sport at their current level of ability and in doing so Carihi Secondary is able to address the diversity of our students.

### **Baseball PE 9-12 (PE Elective)**

This course is for students who love to play Baseball! It will provide a great foundation for those who aspire to take part in the Academy program in a future year. The class will help develop your fundamental techniques and tactical knowledge of the game. Game day is usually the highlight of the week! This is a great course for both beginner and intermediate level players.

### **Baseball Academy Boys and Girls 9-12 (PE Elective)**

This course is for the experienced Baseball player. This is a physically demanding course where both aerobic and anaerobic energy systems are challenged. Tactical and technical sessions will be intense and a strong level of fitness is required. Guest coaches and additional sports related seminars will be provided. There is a fee attached to this course.

### **Basketball PE Boys or Girls 9-12 (PE Elective)**

This course is for students who love to play Basketball! It will provide a great foundation for those who aspire to take part in the Academy program in a future year. The class will help develop your fundamental techniques and tactical knowledge of the game. Game day is usually the highlight of the week! This is a great course for both beginner and intermediate level players.

### **Basketball Academy Boys or Girls 9-12 (PE elective)**

This course is for the experienced Basketball player. This is a physically demanding course where both aerobic and anaerobic energy systems are challenged. Tactical and technical sessions will be intense and a strong level of fitness is required. Guest coaches and additional sports related seminars will be provided. The fee for this program is \$75 - \$150, depending on enrollment.

### **Volleyball PE Boys and Girls 9-12 (PE elective)**

This course is for students who love to play Volleyball! It will provide a great foundation for those who aspire to take part in the Academy program in a future year. The class will help develop your fundamental techniques and tactical knowledge of the game. Game day is usually the highlight of the week! This is a great course for both beginner and intermediate level players.

### **Volleyball Academy Boys and Girls 9-12 (PE elective)**

This program is designed for experienced volleyball players looking to bring their game to the highest level. On-court Volleyball training will provide you with additional coaching from head coach Julie Young (Professional Skill Development Coach, Team Canada, Athletic Director Volleyball Canada, Assistant Coach Mount Royal University) and the individual sport specific Strength and Conditioning programs will be provided by a Carihi PE teacher. The fee for this program is \$50 - \$100, depending on enrollment and schedule.

### **Soccer PE Boys or Girls 9-12 (PE elective)**

This course is for students who love to play Soccer! It will provide a great foundation for those who aspire to take part in the Academy program in a future year. The class will help develop your fundamental techniques and tactical knowledge of the game. Game day is usually the highlight of the week! This is a great course for both beginner and intermediate level players.

### **Soccer Academy Boys or Girls 9-12 (PE elective)**

This course is for the experienced soccer player. This is a physically demanding course where both aerobic and anaerobic energy systems are challenged. Tactical and technical sessions will be intense and a strong level of fitness is required. Guest coaches and additional sports related seminars will be provided. The fee for this program is \$150 - \$300, depending on enrollment.

### **Hockey Academy 9-12 (PE elective)**

This Academy is open to players of all abilities. This is a physically demanding course where both aerobic and anaerobic energy systems are challenged. Tactical and technical sessions will be intense and a strong level of fitness is required. Guest coaches and additional sports related seminars will be provided. There is a fee attached to this course to cover ice time, coaches, jerseys, and transportation costs.

## **Outdoor Experiences**

### **Outdoor Education 9-10 (Elective)**

Carihi's Outdoor Recreation Program is a combination of Outdoor Education and Recreation PE. The course will include numerous activities in the community, and students will be included in the choices and planning for each activity. Activities may include, but are not limited to: rock climbing, skating, disk golf, bowling, the outdoor education portion will teach students the skills to complete a multiple night trek, and will work towards a year end (3 day) field trip to Cape Scott. There may be extra costs and/or fundraising associated with this class, and we will be travelling off school grounds regularly. This course does not fulfill the grad P.E. requirement.





## Arts Education

### *Make Your Mark ~ Visual and Fine Arts*

*Further develop your artistic vision and ability at any level of experience.*

*Students benefit from a hands on studio-based curriculum, led by an experienced art educator.*

*So just start at the beginning and build.....*

*A sketchbook is required for all fine-arts courses at Carihi*

### Art Studio 9-12 (Elective)

Students will develop their observation and accuracy skills as they progress through a variety of classroom assignments such as: life drawings, perspective drawings, portraiture, figure drawing and painting. A wide range of drawing and painting media may be used such as graphite, charcoal, India ink, pastel, oil pastel, color pencils, watercolours, acrylic and spray paint. Students will continue to develop compositional understanding by applying the elements and principles of design to their sketches/drawings. A variety of artists will be studied as students discover how they are relevant in art history and to the individual student's work. Students in this art class will be working at their individual skill levels, be it as a beginning or a more advanced student. *Materials required: Sketchbook*



### Studio Arts 3D 10-12 (formerly Ceramics & Sculptures) (Elective)

This course is designed for students in Grades 10, 11 and 12 with or without previous art experience. With teacher direction, students will explore techniques and materials used to create three-dimensional art. Students will work from observation, imagination and fantasy using a variety of traditional and nontraditional media. A study of the elements and principles of design together with Art History will be related to all units. Student will be working at their individual levels, be it as a beginning or a more advanced student.

*Materials required: Sketchbook*

### Graphic Arts 11 & 12

For students who have completed Art Foundations and Intermediate Art. This course includes students who have chosen to specialize in design, drawing, painting or 3-dimensional design. Students work independently with teacher guidance, this course is meant to provide students with an experience equivalent to a college introductory course within a specific concentration. Students are expected to be independent learners who are willing to do what it takes to complete works of art illustrating a diversified number of skills within their specific chosen concentration. In this course, students will assemble a portfolio of their art work for college admissions, art exhibits, or personal use.

## Languages

### Français Langue 9 Immersion & Francophone (Requirement for French Immersion and Francophone Students)

This course is for students in French Immersion. Through their study of language and communication conventions, students explore the relationship between language and culture. Students will be exposed to a variety of media: reading novels, poetry, short stories, and nonfiction; listening to songs, speeches, and plays; viewing plays, movies, and the internet; and writing paragraphs, essays, and focused responses.

### Français Langue 10 Immersion & Francophone (Requirement for French Immersion and Francophone Students)

Perfectionnement de l'expression et présentation de toute communication écrite, orale ou visuelle en Français (débat, discussion, textes descriptifs, romans). Étude de la chanson française.

### Core French 9/10 (Elective)

Bienvenue!. Basic grammar/verb and vocabulary skill foundations are emphasized in this course. Through active participation in exercises, language games, music, dialogues, and projects, Core French will build vocabulary, structure, and appreciation of Canada's other official language. Students gain an advantage in journalism, government, education, politics, the military, tourism, fashion, and broadcasting within our great country by studying this elegant language. Studying a second language also encourages diversity and an appreciation for all cultures. Open up your horizons academically, culturally and socially!

### Core French 11/12 (Elective)

This course is for students who have already completed Core French 9/10 or an appropriate equivalent.

### Français Langue 11 Immersion & Francophone (Requirement for French Immersion and Francophone Students)

Contenu: Perfectionnement de l'expression et présentation de toute communication écrite, orale ou visuelle en Français (débat, discussions, textes descriptifs), étude d'oeuvres dramatiques et cinématographiques de la francophonie canadienne et mondiale, étude de la chanson française.

### Français Langue 12 Immersion & Francophone (Requirement for French Immersion and Francophone Students)

Contenu: Perfectionnement de l'expression et présentation de toute communication écrite, orale ou visuelle en français (débat, discussions, textes argumentatifs et narratifs), étude d'oeuvres d'auteurs, contemporains et classiques de la littérature francophone canadienne et mondiale. Préparation pour l'épreuve orale du Ministère

### Kwa'kwa'la 9-12 (Elective)

This course introduces students to this ancient language. Listening, speaking, reading and writing skills are taught as well as vocabulary, grammar and sentence structure. Students will also be introduced to some Kwak'ul history, culture and traditions.

### Spanish 9/Spanish Level 1 (Elective)

This Spanish course is open to any student who has not yet participated in a Spanish class. The course is based on Comprehensive Input. Students will acquire a second language using stories, songs, film, articles, art, legends, and history. Students will read in Spanish, listen in Spanish, write in Spanish, and respond in Spanish. Proficiency is the goal and interactions are centered on what each student needs, knows, and can do now and what each student needs to move forward. Attendance and participation are imperative. First you must be present and then you learn by doing.

### Spanish Level 2 (Elective)

This Spanish course is open to students who have already taken one Spanish class. The course is based on Comprehensive Input. Students will continue to build on what they have already acquired in the target language using stories, songs, film, articles, art, legends, and history. Students will read in Spanish, listen in Spanish, write in Spanish, and respond in Spanish at an intermediate level. Proficiency is the goal and interactions are centered on what each student needs, knows, and can do now and what each student needs to move forward. Attendance is imperative as is participation. First you must be present and then you learn by doing.

### Spanish Level 3 (Elective)

This Spanish course for students who have successfully completed Spanish Level 1 and 2 classes. The course is based on Comprehensive Input. Students will continue to build on what they have already acquired in the target language using stories, songs, film, articles, art, legends, and history. Students will read in Spanish, listen in Spanish, write in Spanish, and respond in Spanish at a more advanced level. Proficiency is the goal and interactions are centered on what each student needs, knows, and can do now and what each student needs to move forward. Attendance is imperative as is participation. First you must be present and then you learn by doing.

## Performing Arts

### Acting 10-12 (Elective)

This is a course designed to allow actors to develop autonomy in their acting process through performance. They will develop skills in voice, movement, script analysis, scene work and character, and will be continually engaged in rehearsal or performance of a variety of shows, for a variety of audiences. Significant emphasis will be placed on the student's level of commitment in the class productions.

### Musical Theatre 9-12 (Elective)

Musical theatre is an introduction to rehearsing and performing in the Broadway musical style. Students will learn singing, dancing and acting skills, while working through the chosen musical, which will be performed to the public in the Spring. Students rehearse after school, so flexible after school schedules are appreciated. No experience is necessary, just a willingness to work hard as part of a cast, and to be committed to the rehearsal process. There will be an audition to determine roles in the show, which includes lessons on how to audition. Information about auditions will be provided at the first meeting. If you have questions, please contact Mrs. Knight.

If your only interest is technical and backstage work consider signing up for **Theatre Production**. (See below)

### Theatre Production 9-12 (Elective)

Theatre Production is part of the Musical Theatre program and supports the Spring production. Students in this course learn the basics of lighting and sound, costuming, prop building and set building and painting. They will also be part of the backstage crew during the spring musical, moving sets, helping with costume changes, organizing props and maintaining the theatre. It is a fun way to be involved in the musical with a smaller time commitment. If you have questions, contact Mrs. Knight.

### Carihi Improv Club

The Carihi Improv team is a group of students who get together regularly to learn the skills of improvisational theatre. If you love theatre, have great ideas, can think fast, and want to have fun, this club is for you. The team practices weekly, starting in September, to prepare for the Canadian Improv Games. See Mrs. Knight if you are interested.



## Rock School

### Contemporary Music 10 (Rock School 10)

Do you love performing for a live audience? Are you excited about being part of a band? Are you interested in learning how to organize, perform, and record live music shows? If you answered yes to these questions, then ROCK SCHOOL is a course for you.

Contemporary Music 10 (Rock School) is a new course that is being offered for the first time this fall. It is an approved BC Curriculum elective course that will earn you four credits towards Graduation. The course begins in September and ends in December of 2023.

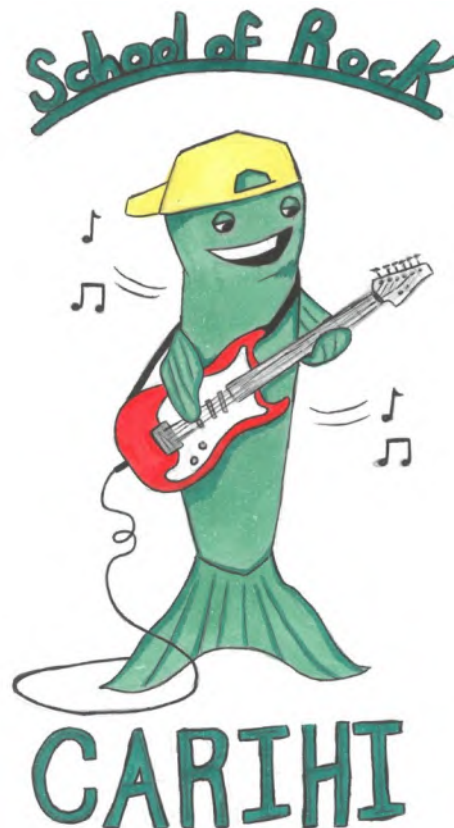
Students should have a basic understanding of beginner level skills on instrument or voice. HOWEVER, ALL students are invited to audition for ROCK SCHOOL for the first time to develop their musical skills.

ROCK SCHOOL is designed to create a learning environment where students who are already able to play their instrument will receive instruction in how to organize and rehearse contemporary music ensembles (bands) in genres of their choosing including Rock, Pop, Punk, R & B, Rap, and Hip Hop. Student should have enough ability to play through a simple song to a Spotify recording at tempo. Students will develop their ability to have intermediate knowledge of live music equipment set up and maintenance. Experienced students will be expected to perform a full set of contemporary music. Opportunities to perform in the Multipurpose Room and the Rivercity Theatre will be made available. Students will also have the opportunity to work together with Music Composition students to produce several multitrack "live" recordings that we will release on our class website. Students are encouraged to also take both Music Recording and Production.

Join Contemporary Music 10 (ROCK SCHOOL) and make new musical friends and write, record, rehearse and perform live music.

### Contemporary Music 12 (Rock School 12)

A continuation of Contemporary Music 10, this course is designed to create a learning environment for advanced musicians who will receive instruction in how to work with their "bands" to write, arrange, and rehearse contemporary music in the genres of their choosing including Rock, Pop, Punk, R&B, Rap and Hip Hop. Students should have enough ability to play through a simple song to a Spotify recording at tempo and be committed to teamwork. Rock School 12 students will be expected to record a four song EP and participate in Multipurpose Room and the Rivercity Theatre shows as both performers and stage sound technicians. Students will also have the opportunity to produce three original songs with students from the Music Composition program that multitrack "live" recordings that we will release at our class showcases. Students are encouraged to also take both Music Recording and Production.



### **Jazz Band 10-12 (Elective)**

Jazz has royalty! Duke Ellington, Count Basie, even the Queen of Soul. Here's your chance to get to know them better. Jazz band is a continuation of the jazz band programs offered in school district 72. Students will continue to develop their performance and improvisational skills in the jazz idiom. This band performs regularly at special events such as holiday and year end concerts, The All City Jazz Band coffee house, and local music festivals. Each year the band also travels to various locations to perform, have master classes with university and professional musicians, as well as take in some tourist attractions! In past years the band has traveled to Vancouver and Seattle. The Carihi jazz band meets twice a week on Tuesdays and Thursdays before school at 7:30 AM for rehearsals. Preference is that students who take this course are also in Concert Band.

### **Music Production & Recording 10-12 (Elective)**

Whether you grove to rap, headbang to metal or chill to classical, Music Production and Recording has a space for you to create the music you love. You will learn how to write songs and use the Digital Audio Workstation Studio One where you can sing, use samples, record guitar or play the keyboard. As a part of a team, you can also mix and record the live shows in the MPR. Take a listen to the variety of songs on the Studio Tyee artist page on SoundCloud for some recent examples of music produced in this class. No songwriting experience is necessary.

### **Guitar 9-12 (Elective)**

Guitar 9/10/11/12 are courses designed to give budding guitarists a chance to take his or her playing skills to the next level. Beginners and not so beginners are welcome: all that is needed is dedication and a desire to become better at playing music on the guitar. From chords to Arpeggios, scales to improvisation, students will practice and work at becoming better musicians.

### **Band 9 (Elective)**

Grade 9 band is a continuation of middle school band in school district 72 and serves to transition and prepare you to join the senior concert and jazz bands. The grade 9 band class performs music from a wide variety of styles and cultures, including jazz band music. We focus on individual technique, musicianship, and learn to transcribe music. When you hear somebody talk, can you write down what they say? Wouldn't it be cool if you could do the same thing when you hear somebody play music? That's transcribing! Upon completing this course, you will be ready to join the senior concert band and attend all the festivals, concerts, and trips these bands travel to!

### **Choir 9-12 (Elective)**

Do you love to sing? Want to improve your skills? Carihi Choir is a community of singers who enjoy making music together. Choir students will learn vocal technique, musicianship skills, musical styles and performance skills. Carihi Choir will perform at concerts and festivals and therefore attendance will be a key component of this course. Students at all grade levels are welcome to join Carihi Choir. The only requirement is a desire to sing!

## **Technical Education**

### **Shop Tech 9 & 10 (Applied Skills Elective)**

This course is intended to allow students to gain exposure to the Woodwork and Metal Shops at Carihi. If you are a hands on learner, this is the place for you. During this time you will be exposed to design and drafting as they serve as the path that all projects follow even in the simplest of forms. By the time the course has concluded you will have learned how to operate numerous tools in a manner that permits the highest level of safety: Safety in Carihi's shops is the number one priority! This course is perfect for students that have little to no experience in the shops at Carihi.

### **Power Mechanics 10 (Applied Skills Elective)**

This course serves as an introduction to the operation / theory of 4 Stroke Engines and is the first step at Carihi under the realm of Mechanics. You will look in depth into the theory and operation of engines, utilizing small utility engines (all engines are based off the same principles). This course is a great start to furthering your education in Carihi's shops.

### **Drafting & Design 10-12 (Applied Skill Elective)**

Do you have an interest in architecture, graphic art, fashion design, advertising layout, or carpentry? This course may be for you! Learn how to represent objects in a variety of mediums (AutoCAD, paper, etc.) This course can make your design dreams become a reality.

### **Metalwork 10-12 (Applied Skill Elective)**

In this course, you will learn to work with metal. Possible topics will include casting, welding, forging, machining, jewelry making and sheet metal working. A 'design and build' hands-on course, you will have the opportunity to create your own projects, in a safe, well-equipped traditional metal-shop. As this is a project-based class, students will work on projects of interest that suit their level of experience. Participation and production are key elements to success in this course.



### **Mechanics 11-12 (Applied Skill Elective)**

This is an introduction to car maintenance and the automotive service technician field. Students will complete service and maintenance labs on their own vehicles or shop vehicles and will be expected to complete basic repairs with instruction. This course will give you the basic theory you need to safely work on vehicles. Just getting your own vehicle & want to make it purr? This is the course for you. Daily work logs and safety glasses are required for this course. Students will have taken 'Introduction to Power Mechanics' before taking this course. As this is a project based class, students will work on projects of interest that suit their level of experience. Participation and production are key elements to success in this course.

### **Woodwork 10-12 (Applied Skill Elective)**

Want to be part of an age-old tradition? Come down to the wood shop and build a classic piece of furniture that will last a lifetime! Whether you have done woodwork before or not, this course presents fun new challenges! While building beautiful pieces of furniture, students will learn to use all of the machines in the shop safely. They will be introduced to basic machine operations as well as some complex machining and jig use. Emphasis is on quality construction, safe use of machines, as well as the versatility of machines in the shop. After a few preparatory projects students are encouraged to create their own masterpieces. Students often surprise themselves by building a quality piece of furniture that looks like it was bought in a store. As this is a project-based class, students will work on projects of interest that suit their level of experience. Participation and production are key elements to success in this course.



### **Trade Sampler 10-12 (Applied Skill Elective)**

This course will introduce you to various trades (3 per course). This is a great course to sample several trades so that you may make more informed decisions as to what you may / may not decide to do in your future. It is also a great precursor to TRNN (p. 34) construction. The bulk of the course you will be using your hands in order to get an understanding of the main skills of each trade, and some of the work will be outdoors. Typically, we cover Carpentry, Electrical and Welding as the bulk of the course but we try and get glimpses of other trades as much as possible.

## **Business Education**

### **Entrepreneurship 9-12 (Applied Design, Skills and Technology Elective)**

Students will learn: What opportunities exist for entrepreneurs, the characteristics that entrepreneurs share, ways to add value to an existing idea or product, differences between invention and innovation, barriers that various groups of entrepreneurs face and the factors that contribute to their success, the life cycle of a product from invention/innovation to marketplace and opportunities for initiating an entrepreneurial endeavour.

## Integrated Studies Courses

These courses integrate more than one subject. They offer unique experiences at school and in the community. You will find new ways to appreciate our amazing outdoor environment and natural habitat. These experiences are hands-on, and require skills and an interest to work with others.



### Fly Fishing Program 10-12 (Literary Studies 10, BAA 10, Literary Studies 11, Science for Citizens 11, English 12 Studies, Specialized Science 12)

The city of Campbell River is home to some of the most vibrant fishing locations on Vancouver Island, and is considered the “Salmon Capital of the World.” This course weaves together grades 10-12 students on a unique learning journey, which pairs English and Fly Fishing. The course is designed to enhance student literacy skills in both reading and writing, along with the preparation required to write the Ministry’s Literacy Assessments. Students will also learn casting techniques, fly tying, knot tying, fishing methods, fish identification, safety, etiquette, ethics, conservation, trip preparation...and more. Field trips to areas including the Campbell River, Quinsam River, Oyster River, Puntledge River, and Eve River will provide students with authentic and meaningful fishing opportunities.

Sign up and experience a unique way to complete English and learn the art of fly fishing!

### (Salmon Focus)

The salmon runs are in full swing during the fall months. As such, students will be taught how to fish ocean beach fronts and the local rivers for BC’s various species of salmon, including coho, chum, chinook, pink, sockeye, and the elusive steelhead. Students will learn to tie appropriate attractor flies which target salmon, as well as develop an understanding of salmon behaviour and spawning cycles.

### (Trout Focus)

As the water begins to warm during spring, students will fish for trout species on both the lakes and rivers in the Campbell River area. Here students will learn the importance of imitation flies through the study of entomology and the importance of matching hatches. The targeted trout species include sea run cutthroat, brook trout, rainbow trout, brown trout, as well as the elusive steelhead. Students will improve their understanding of lake and river ecosystems and how it connects with fly fishing.

### Carihi Forestry Program 10-12 (Environmental Science 11 or 12; Science for Citizens 11 or and Specialty Science 12)

Are you tired of learning in the traditional classroom setting? Do you wish you could be outside learning more about your natural environment? Do you wonder about different jobs/careers available within our provincial forest sector? Well then this is the class for you! This two block course encompasses project and inquiry based learning strategies used to educate students in BC’s largest natural resource—FORESTY. This course includes numerous field trips allowing students to get an up close look at how our forests are managed, maintained, and protected, while earning a graduating science credit. Units covered in this course include, but are not limited to: forest management practices, surveying techniques, harvesting procedures, tree & plant identification, and regeneration/planting strategies. Students will be building employable skills using a hands on learning approach, while earning credits. This course is available to first and second year forestry students, from grades 10 to 12. First year forestry students will learn entry level forestry outcomes (plant identification project, company report, final project), while second year students will be given advanced assignments/projects (work experience, mentorship tasks, final project). Second year students will learn a deeper understanding of concepts and develop skills crucial to employment in the forest sector. In addition, second year students will receive different certificates and training required for employment in forestry related jobs, including: level 1 first aid, Bear Aware, WHIMIS, and S-100 fire suppression. Second year forestry students will develop skills and acquire a firm understanding of forestry that can lead to direct employment or entrance into post secondary forestry programs. This program is subsidized by numerous forestry companies and associations. As a result, students are able to work with modern forestry equipment and technology, enjoy numerous field trips to different forest settings, and earn multiple certificates mandatory for employment in forestry. There is no student cost associated with this program. However, there is a limited capacity. If you are interested in enrolling in this course as a first year, or second year, talk to a counsellor and sign up right away! Or drop by the forestry room and see Mr. Kerluck to answer any of your questions.

## Human Services

### Leadership 9-12 (Elective)

Are you interested in taking a course that makes an impact on yourself and others? Teamwork, problem solving, planning, goal setting, communication, self-awareness and creativity are all developed in our Leadership courses. Students will be given opportunities to develop those skills by planning school spirit events, supporting and volunteering in our local community, making contributions to our global community and recognizing Carihi students and staff. This class meets two mornings a week from 7:30-8:25.

### Psychology 11 (Elective)

Psychology 11 is designed to introduce students to the study of behaviour and mental processes. Students are exposed to psychological principles in addition to examining classical experiments and oft cited researchers within the field of psychology. As a social science, this course has practical applications to student's everyday life, and they will complete assignments that encourage them to apply these ideas and skills to their lives outside the classroom. This course includes a student directed, in depth, inquiry research project.

### Psychology 12 (Elective)

Psychology 12 builds on the big ideas and skills learned in Psych 11. Students continue to develop their critical thinking skills as they evaluate through readings and film, the contributions of psychologists to this growing field. There is a focus on practicing the skills of psychology, with specific emphasis on experiments and survey design. This course includes a student directed, in depth, inquiry research project.

### Yearbook 9-12 (Elective)

The Carihi Yearbook is geared towards those interested in working as a team to create an everlasting memory for our school. You would be responsible for developing the theme and focus of the yearbook while learning basic photography, online graphic design and marketing skills. Meetings are held once a week during lunch and after school from 3:00-5:00 once a month. Please note that much of the time spent on yearbook related activities is outside of class time and may include lunch, after school, and weekend commitments.





## District Programs

### Outdoor Adventures 11/12 (ODA)

Program will take full advantage of the amazing natural world surrounding Campbell River to help each student reach their potential, academically, physically and globally. This is education through an inclusive program of Outdoor Education, Geography 12, Comparative Civilizations 12, and Literature 11/12.

We schedule seven “away” adventures running from September to February where the students of this course will be involved in their studies in a variety of environments from the classroom to the mountains, from paddling across lakes to rock climbing, winter camping and safety courses. We will also be involved in a number community-based projects.

It is a student focused course designed for those who seek an Adventure in their high school experience. The “Capstone” requirement can be met through a personal reflection on any aspect of our outdoor explorations, join up and find out more!

### Stream to Sea 11 at Timberline (Life Science 11 or Elective)

Which animals link our streams, forests and oceans together? Is there a way I can do much of my learning outside doing hands on activities? What does it take to be a marine biologist? I wonder if I could get some practical work experience and certification that might help me get a job that I really love? All these questions are answered in the new biology course at Timberline called Stream to Sea. You not only get a Life Sciences 11 credit, but also an elective credit. How great is that? You’ll investigate the biology of our forests, streams, and oceans. The entire course is meant to introduce you to how we study these areas, what professionals within these fields actually do and lets you try it out for yourself. It links you to local community groups doing all sorts of cool activities, and gives you a window into your own futures. You will receive an official Dept. of Fisheries and Oceans (DFO) Stream Keepers course accreditation, and a Level 1 Naturalist certificate through the Discovery Passage Aquarium! That means you can gain volunteer experience and maybe even a job there for the summer! It is an academically rigorous course but you also need to be excited about being outside. We’re looking for positive, enthusiastic learners who are interested in exploring possible futures in biology or just curious about life. There will be practical hands on exams as well as more traditional readings, quizzes and tests. Space is limited so apply now so you don’t miss your chance to have a really unique experience!

### Cortes Island Academy

School should be INTERESTING, PRACTICAL and FUN!! Are you a hands-on learner who likes to connect learning to real life applications? Would you like to understand where school and academics fit into the context of YOUR INTERESTS and the world of work? The Cortes Island Academy started on a venture to engage students in a different way! The Cortes Island Academy (CIA) is a pilot project by SD72 in partnership with the Cortes Island Community Foundation, Folk University, and Cortes Literacy. It offers four, 5-week modules. CIA is a project-based, inter-disciplinary, cross-curricular, and cross-social approach to learning and will give students a different lens to view how they engage in school. This pilot project will have an applied/project/problem/place-based delivery as its focus. Students will study in a variety of learning opportunities such as: **outdoor adventure and leadership, marine-based stewardship/aquaculture & seaweed farming, film making with Reel Youth, and tools for truth-telling (journalism)**. Students will research, construct and present projects based on their area of interests within the topics in each module. Students may also have opportunity to work in teams consisting of members who display different strengths and interests, such as applied sciences, humanities, and the trades. This interdisciplinary, cross-curricular, and cross-social approach to problem solving and teamwork, as well as learning from Cortes Island’s greatest strengths, its natural resources and its people, are the trademarks of CIA’s unique learning culture. Interested students should see their academic counsellors for more information and application form.

Offered to: grades 9-12

When: intake September 2023 Quarters 1 & 2

Location: Cortes Island

\*Assist with homestay may be provided by SD72 and CIA partners

## Extra Curricular Activities

### Interact Club

Build your resume, make connections with the community and earn service hours for your Graduation Plan. This club is a great connection to the Rotary Club if you are thinking of doing a student exchange. This service club meets once a week at lunch.

### Carihi Improv

The Carihi Improv team is a group of students who get together regularly to learn the skills of improvisational theatre. If you love theatre, have great ideas, can think fast, and want to have fun, this club is for you. The team practices weekly, starting in September, to prepare for the Canadian Improv Games. See Mrs. Knight if you are interested.

### Garden Club

Join the Garden Club to plant, nurture and harvest a variety of fresh vegetables and herbs, many of which are harvested as ingredients for the Culinary Arts program. It is a wonderful way to spend time outdoors.

### Gender/Sexuality Alliance

Carihi's GSA (Gender/Sexuality Alliance) is an everyone welcome, student-led lunch club for students who either identify as a part of, or support the LGBTQ2+ community. This is a space for students to hang out, share ideas, come up with school initiatives and provide feedback about their experiences. Students can also consult with SOGI teachers one-on-one to ask questions and connect with resources available to them both in the school and in the community.

### Gamers Guild

The Gamers' Guild is a co-curricular club for both experienced and novice gamers of all types. Leave the gaming consoles at home because most of the games played here are mano a mano (hand to hand). Students meet once a week at lunch to play quick games, but most save their energy for the monthly game-a-thon, where gaming goes into the late hours of the night with games like Risk, Magic, Axis & Allies, etc. If you feel like you would be interested in joining come to room E113 at lunch on Wednesdays. Don't forget to bring your favourite game.

### Sports Teams

Carihi sponsors many very successful sports team that compete in inter-school leagues, tournaments and playoffs. Check with the staff in the Physical Education Department for team and season details. The teams currently sponsored are:

Fall Season	
Girls	Boys
<ul style="list-style-type: none"><li>• Cross Country</li><li>• Junior Volleyball</li><li>• Senior Volleyball</li></ul>	<ul style="list-style-type: none"><li>• Cross Country</li><li>• Junior Volleyball</li><li>• Senior Volleyball</li><li>• Junior Soccer</li><li>• Senior Soccer</li></ul>
Winter Season	
Girls	Boys
<ul style="list-style-type: none"><li>• Junior Basketball</li><li>• Senior Basketball</li><li>• Wrestling</li><li>• Curling</li></ul>	<ul style="list-style-type: none"><li>• Junior Basketball</li><li>• Senior Basketball</li><li>• Wrestling</li><li>• Curling</li></ul>
Spring Season	
Girls	Boys
<ul style="list-style-type: none"><li>• Track &amp; Field</li><li>• Junior Soccer</li><li>• Senior Soccer</li><li>• Recreational Soccer</li><li>• Rugby</li></ul>	<ul style="list-style-type: none"><li>• Track &amp; Field</li><li>• Junior Rugby</li><li>• Senior Rugby</li><li>• Golf</li></ul>

## Career Life Education / Connections & Capstone

### BC 2018 Graduation Program

Students in grades 12 are required to fulfill the Career Education / Connections requirements of the BC 2018 Graduation Program, including a Capstone Conversation.

### Career Life Education / Connections & Capstone

Students in all grades are required to fulfill the career requirement of the 2018 graduation program. Within this format, we will be able to accompany our students through their four years of secondary school, creating, revising and refining an individualized career/life vision, and Capstone project, while introducing specific skills as they become pertinent in that individual student's life. Those skills will reach from matching personal goals to course requirements and work habits, to the ability to cope and deal with the many stressors our young adults encounter on their high school journeys. On this path we want students to see themselves first as humans-being and only then as humans-doing.

#### Career Life Connections Grade 9

- Every grade 9 student develops a personal vision of their high school years according to who and where they are and where they want to be after graduation (1 on 1, small group sessions, and seminars in semester 1)
- Courses and expectations are mapped for grade 10, 11, and 12 together with a Capstone conversation/plan/explanation in a personal portfolio to follow the individuals and be updated throughout high school
- A personal connection between student and staff is built, needs can be addressed, and supports can be implemented as necessary
- Personal health and wellness as a main focus

#### Career Life Connections Grade 10

- Maintain and update personal vision according to current course standings and changing interests, update Capstone project and plan (1 on 1, small groups, and seminar sessions)
- Seminars on Resume Writing, Job Applications, and Interview Skills plus other topics or certifications
- Personal health and wellness as a main focus

#### Career Life Education Grade 11

- Every grade 11 student will enroll in one class
- 4 teachers with 100 students will be able to work within this following framework:

*Course type: required (4 credits)*

#### Career Life Connections & Capstone Grade 12

- Our grade 12 students enter their final year with a plan in place, only finer adjustments should be necessary
- Focus on graduation year and following the individual plan with many stressors removed
- Completion of the **Capstone** project together with a final conversation

*Course type: required OT (2 credits or 4 credits)*

Whole Class Focus	Individualised Focus
Update personal vision, plan grade 12 courses, scholarships, applications, requirements, .... Financial management, independent living, .... Resume, Job Applications, Interview Skills, .... Define <b>Core Competencies</b> Personal health and wellness	According to personal vision and needs Explore a specific field of interest ( <b>Capstone</b> ) Obtain workplace diplomas, certifications, .... Academic Intervention if needed (Math, English, ....) Revisit <b>Core Competencies</b> Build and live a personal, individual wellness plan Course completion conversation One on one conversations

## Work Experience Opportunities

### Work Experience 12 (WEX-12) (Applied Skill Elective)

This four credit course is designed to enable students to explore careers of their choice and to gain valuable employability skills. It requires a strong commitment to self-initiative and responsibility. Students are required to complete 120 hours of work experience. Students may work at one or several placements and complete the hours during school time, after school, or on weekends. It is the student's responsibility to keep track of hours worked. Credit will be given to documented hours only. There are also opportunities for work experience through volunteer/mentorship. See your school counsellor for details.

### Workforce Training Certificates 12 (WTC12) (Applied Skill Elective)

WTC12 is a ministry developed course that will provide students with an opportunity to acquire employer-desired knowledge, skills, and attitudes in a number of trades, technology and other career areas by obtaining workforce training certificates valued by employers, and to earn graduation credits for doing so. WTC12 is intended to assist students in making smooth transitions to the workplace or further education and training. The school district has made community connections in helping students gain some industry recognized certifications, at a reasonable cost. Besides a great life-long skill, these certifications also look good on a resume when applying for certain jobs. These certifications will be done throughout the school year. Check in with a school counsellor to find out more information.

#### Workforce Training Certificates 12 (WTC12) Continued: Certifications may include:

Asbestos Awareness	Confined Spaces	Restricted Radio Operator
Electrical Safety	Forklift Safety	Recognition Evaluation & Control of Hazards
Marine Emergency Duties	WHIMIS	First Aid Level 1
Food-Safe Level 1	Ladder Safety	Open Water Diving Course
Small Vessel Operator Proficiency (SVOP)	Chainsaw Awareness & Safety	

### Teen Flight Grades 10-12

Be part of the only program in Canada that provides participants with the opportunity to build a 2-seater plane, travel and attend air shows, hang out with the Snow Birds, and receive high school credits. If you love to learn about planes and engines, and working with your hands, this work experience opportunity is available for you. This program takes place Thursday evenings and Sunday afternoons.

Offered to: grades 10-12

When: outside of school hours

Credits: Work Experience 12

### Jr. Wildfire Crew Member Training Program Grades 11-12

The Junior Fire Crew Member program trains students in their grade 11 or 12 year to become a wildland firefighter. Successful students will be offered a job on a fire crew for the summer where they will gain skills and experiences to help them gain a regular crew member position the following summer. Applicants must be physically fit, highly motivated, and able to perform strenuous physical labour in extreme conditions with a variety of tools and equipment. Grade 11 Students can join the training but won't be hire-able until their grade 12 year.

These Grade 11 students will be on a high priority hiring list, for the next year.

Offered to: grades 11-12

When: outside of school hours

Credits: Work Experience 12

### **Trades Sampler Gr. 11-12 (Applied Skill Elective)**

This is an opportunity for hands on learning with North Island College trades facilities. Students will explore introductory aspects of Trades and Technical programs offered at North Island College such as carpentry, electrical, small engine, heavy mechanical, welding, and metal fabrication. Also included are valuable industry certifications in WHMIS, OFA Level 1 and Forklift Operator. Not only does the Trades Sampler encompass an introduction to the health and safety requirements for today's work site environment, but it also provides learners with a pathway to further foundation and apprenticeship training offered at North Island College. This is an 8 credit course. If you are interested see your school counsellor.

### **Youth Training at Work (YTW 11 & 12)**

Youth Training at Work (YTW) is a career program that gives students the opportunity to begin an apprenticeship while still in high school, and to earn high school credits for doing so. Youth Training at Work involves part-time work within a trade, something many secondary students are doing. Think about it: you can be earning money and learning valuable skills doing a job you love, getting high school and post-secondary credits for it, and pursuing other academic courses at the same time. Imagine how much more meaningful school will feel, and how far ahead you'll be when you graduate. YTW can give you a head start on a career. You could be up to two years ahead of your peers in a trades career, if you participate. See your counsellor for more details.

*Course type: gr. 12 applied skill elective*

*Must already be in an apprenticeship occupation*

### **Post Secondary & Dual Credit Options**

*Dual Credit options are a way for students to earn post-secondary credits while still attending high school. Students will receive grade 12 credits in addition to their post-secondary credits, which count towards fulfilling graduation requirements. Opportunities range from apprenticeship training to 1st year courses that are transferrable to most universities. These programs are run through North Island College and can be arranged through the school Career facilitator. See your counsellor for more information.*

### **Train in Trades (TRNN) Programs**

The following North Island College trades and technology programs are available for students. Students may be able to complete level 1 of the following programs while in high school. Students should see their counselor in grade 10 or early in their grade 11 year to go over the prerequisites of the program, its availability, and to fill out the underage application forms for North Island College. For further information about a specific program please visit:

[www.nic.bc.ca/calendar/](http://www.nic.bc.ca/calendar/) and <https://www.72learninghub.ca/72learninghub/page/97/for-students>

- |  |  |
|--|--|
| <input type="checkbox"/> Aircraft Structures Technician Certificate              | <input type="checkbox"/> Carpentry                               |
| <input type="checkbox"/> Automotive Service Technician Certificate               | <input type="checkbox"/> Drafting                                |
| <input type="checkbox"/> Culinary Arts / Professional Cook Certificate           | <input type="checkbox"/> Electrical                              |
| <input type="checkbox"/> Heavy Duty & Commercial Transport Mechanics Certificate | <input type="checkbox"/> Electronics Technician Core Certificate |
| <input type="checkbox"/> Plumbing & Piping Entry Certificate                     | <input type="checkbox"/> Welding Level                           |

- Advanced planning with the District Coordinator For Student Options & Opportunities is required to ensure the prerequisites of program are met prior to starting the program.
- More detailed descriptions of these programs are outlined on the following pages
- Some TRNN programs require EN12 to be completed in grade 11 (check with your counsellors)

### **TRNN Automotive Service Technician—Foundation Level 1**

This full-time comprehensive program is designed to prepare students for a career in the Automotive Repair trade. The program is taught through daily lectures, seminars and demonstrations of current servicing techniques, approximately 40% theory as well as extensive practical training in a functioning, automotive shop setting (approximately 60% hands-on). This is a full time 30 week program - NIC Campbell River campus.

September 2023 intake

*Pre-requisite: Eng. 12 or Com. 12 C+, Math 11 C+, Auto 12 B, School reference.*

### **TRNN Carpentry—Foundation Level 1**

This entry level trades training develops the skills needed to become an apprentice carpenter in BC's booming construction industry. The program combines theory with lots of hands-on learning, is a full time 24 week program at NIC – Comox campus. Intake will be September 2023 but will also vary from year to year at NIC. See the District Facilitator for updated information.

*Pre-requisite: Eng. 12 C or Com. 12 C+, Woodwork 12, Math 11 C, STX 12 or Co-op 12, School reference. This is a full time 24-week program at NIC – Comox Valley campus. Intake will be September 2022 but will also vary from year to year at NIC. See the District Facilitator for updated information.*

### **TRNN Aircraft Structures Technician (AME-S)**

Develop precision skills working with everything from sheet metal and wood to fabric and thermoplastics. Receive recognition from Transport Canada for training and technical tests required for the AME-S license. Graduates qualify for high demand jobs locally and around the world.

Employment opportunities may include aircraft repair and servicing, aircraft manufacturing, aircraft parts manufacturing and aircraft parts technician. This is a full time 10 month program at NIC.

*Pre-requisite: Eng. 12 or Com. 12 C+, Math 11 C+, STX 12 B. September 2022 intake at NIC.*

### **TRNN Culinary Arts / Professional Cook 1 — Level 1**

This program is designed to train students for a career in professional cooking. Earn apprenticeship technical training credits towards your Red Seal certification. Learn from highly experienced, qualified instructors in modern, fully-equipped training facilities. Course content includes the preparation of meat, poultry, soup, salads, sauces, seafood, fruit and desserts. Students set up and operate a restaurant and cafeteria that provides regular lunches and caters many special events.

*This is a full time 27 week program at NIC– Campbell River campus. Intake at NIC will vary from year to year.*

*Pre-requisite: Eng. 12 C or Com. 12 C+, Cafeteria 11 and/or 12, NIC Culinary Arts Math Assessment, Food Safe Level 1, School reference.*

### **TRNN Electrical Foundation**

Learn strong theoretical technical training while also developing a solid mastery of applied skills. Also, earn apprenticeship technical training credit towards a Red Seal certification. Skilled electricians are needed in a growing number of areas, including residential, commercial, and industrial electrical construction, electrical maintenance and service, marine electrical work, and utilities. This is a 24 week full time program at

NIC– Campbell River campus. Intake at NIC is September 2022

*Pre-requisite: Eng. 12 C+, Math 11 C, Physics C+, NIC Electrical Math Assessment, STX 12 or Co-op 12, School reference.*

### **TRNN Heavy Duty Mechanical Foundations**

Develop entry-level skills to enter four heavy mechanical trades: Heavy Duty

Equipment Truck and Transport Mechanic, Diesel Engine Mechanic, and Transport Trailer Technician. This is a full time 36 week program at NIC – Campbell River campus. Intake at NIC is Sept. 2022

*Pre-requisite: Eng. 12 C, Math 11 C, STX 12 or Co-op 12,*

*School reference.*

### **TRNN Welding Foundations- Apprenticeship Level C**

This 7 month welding program is delivered in a modular format with practical and related knowledge modules. Learn the core welding skills, processes, and techniques needed to enter the welding trade. As a level C ticket holder you could find work in a shipyard, fabrication shop, forest, fishing, aquaculture, agriculture, oil and gas, manufacturing, construction, maintenance and mining industries. Intake at NIC is Sept. 2023 and Feb. 2024.

*Pre-requisite: Eng. 12 C, Math 11 C, STX 12 or Co-op 12, NIC Welding Assessment, School reference.*

*See Career Facilitator for an application*

### **TRNN Plumbing and Piping Foundations**

Coursework covers plumbing, steam fitting, sprinkler fitting, and gas fitting, enabling graduates to enter any of these trades upon certification.

Graduates also qualify for employment as an apprentice plumber, steamfitter/pipe fitter, sprinkler system installer, or domestic/commercial gasfitter. Opportunities also exist in a number of related fields, from refrigeration and sheet metal to oil burner service. This is a full time 26 week program at NIC – Comox Valley campus. Intake at NIC is Sept. 2023

## University 1

*Spend the morning at North Island College and earn both graduation credits and post-secondary credits that can be applied at NIC or any of their partner institutions; and best of all these courses will be offered tuition-free!*

*This opportunity is open to grade 12 students as a transition program to post-secondary studies.*

*Interested students will need to apply for this dual credit program and should have completed English 12 first. Specific course offerings may vary, but will likely include a first year English and one other course such as Criminology. The School District will pay the NIC tuition fee for up to two courses. Students will be monitored by a Carihi teacher who can offer support for students as they become familiar with postsecondary education.*

### Essay Writing And Critical Analysis (ENG-116)

ENG 116 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.

*Prerequisite: C in English 12  
(taken 1st semester)*

### Introductory Criminology (CRIM-101)

An introduction to the core concepts, basic data sources, and general research findings in the field of Criminology. A key focus is on elements of continuity and discontinuity between traditional and contemporary theories of crime, deviance, criminality, and social control. Particular attention is paid to the Canadian context.

*Prerequisite: C in English 12 (taken 1st semester)*

*Applications for Dual Credit Courses are due by Spring 2023. Please see the Careers teacher or your school counsellor for the dual credit application. Students interested in these programs should indicate that on their course selection sheets.*

## How to Apply

1. Meet with your High School Counsellor in Grade 10 or Grade 11 to discuss your interest in dual credit courses or programs and explore course and program options.
2. Complete the application form and hand in to your counsellor– *deadline Spring 2023*
3. Submit your completed application package to the District Coordinator or your school Counsellor who will submit it to NIC on your behalf.

For more information visit <https://www.72learninghub.ca/72learninghub/page/97/for-students>



## Scholarships & Bursaries

### CARIHI Parent Advisory Committee Scholarships

Carihi PAC promotes education achievement through yearly scholarships. Areas which have been considered in the past include:

Art	Band	Business Education	Technical Education
English	Home Economics	Media	Science
Drama	Mathematics	Social Studies	Physical Education
Computer Studies	Foreign Language	Community Service	Mechanics

### Provincial Scholarship Program

- BC Achievement Scholarship \$ 1,250.—
- District Authority Scholarship \$ 1,250.—
- BC Excellence Award \$ 5,000.—
- Pathway to Teacher Education \$ 5,000.—

For details on these scholarships please go to:

<https://www2.gov.bc.ca/gov/content/education-training/k-12/support/provincial-scholarships>

### Other Scholarships & Bursaries

School District #72 has an extensive scholarship and bursary program for students planning to attend post-secondary institutions. Students who require advice regarding student loan, scholarship, or bursary applications should contact a counsellor in Student Services.

### Other Opportunities

Some opportunities for students wanting a change of pace from regular secondary school life are:

- Exchange Programs (Rotary, Ishikari, French (OSEF), Intercultural Programs)
- Encounters Canada - 1 week visits to the Terry Fox Centre in Ottawa
- United World Colleges - (for Grade 12 and first year university)

### 10 Steps to Select the Right Post-Secondary School

1. Make a clear list of your goals and interests.
2. Following up on that list, find out what kind of education and training you'll need to work in that area.
3. Prepare for the admissions tests as if you are preparing for a marathon: don't cram and rush the process, slow and steady will help you win this race.
4. Familiarize yourself with the different types of schools; many will encourage you to visit campus and sit in on classes, allowing you to get a feel for the place.
5. Talk to the school's financial aid officers to find out how they can help make your dreams happen.
6. Hit their websites. All are online and the sites are loaded with information about residence life, specific programs and awards.
7. Make a short list of the schools that possess the characteristics you're looking for and that best meet your goals and needs.
8. Request additional information from schools you are interested in including applications for admission and a cost breakdown.
9. Apply for admission to the four to six schools that top your list. Many schools require that you apply anywhere between six months and a year in advance. Call the Admission Office to find out each school's application deadline.
10. Talk with your school counsellor and ask any question you may have.

### After Secondary School

*What are you going to do when you finish secondary school? If you don't have a clear vision of where you would like to go, check out the three following web-sites.*

[www.myblueprint.ca](http://www.myblueprint.ca)

My Blueprint is a platform used at Carihi throughout the career program from grade 9 - 12. Most students should have an account already. Students can build their personal portfolios and growth plans on My Blueprint and search careers that match their skills and interests (for usernames and passwords, see Mr. Fitzpatrick).

[www.educationplanner.bc.ca](http://www.educationplanner.bc.ca)

This web-site provides resources to help guide your educational journey. Students can plan, search, and apply their ideas directly from this site.

[www.postsecondarybc.ca](http://www.postsecondarybc.ca)

This website is great for both parents and students as they navigate their post-secondary planning.