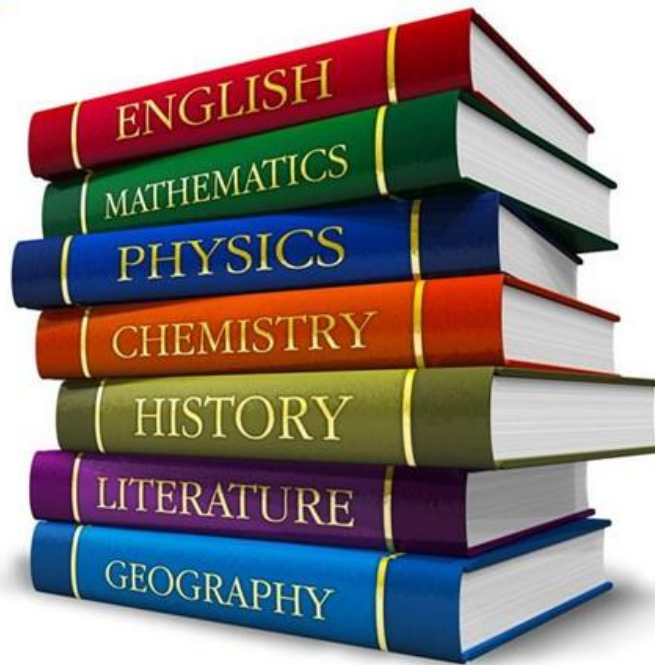




# HIGHLAND Secondary School



## JUNIOR PROGRAMMING GUIDE 2024-2025

[Highland's Website](#)



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# WELCOME TO HIGHLAND

We extend a very warm welcome to you. Upon arrival at school you automatically become a member of one of Highland's Houses and one of its Advisor groups. The Houses will have approximately 17 Advisor groups in each House. Your assignment to a House and an Advisor group enables you to develop a close identity with a group of students and teachers during your stay at Highland. Over the years, this has helped Highland maintain a positive school culture.

The school year at Highland is divided into two semesters. In each of the semesters your timetable will consist of four class periods and a lunch period. Classes run from 9:00 am until 3:20 pm, and each class period is about one hour and fifteen minutes in length.

At Highland you will find up-to-date technology, featuring networked computer labs in the library, the drafting room, the multi-media and the graphics lab. Computers are used for a variety of courses as well as to help you to make career choices in your Grade 11 and Grade 12 years.

Highland is justifiably proud of the standards achieved by its students in the areas of English, Mathematics, Science, French, and Social Studies. Each year many students receive local and provincial scholarships and bursaries. In addition to "traditional" academic courses, courses are available in music, art, technology, home economics, physical education, computers, and drama.

We encourage you to become involved in your school. Each year there is a wide range of intramural events, sports teams, service clubs, student government activities and music and drama events. These activities will not only provide enjoyment they will also enable you to develop positive skills and attitudes. By getting involved, you will make the best of your high school years.

# GRADUATION REQUIREMENTS

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

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

# PROGRAM PLANNING INFORMATION

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

Rich Swanson	Blue House	<a href="mailto:richard.swanson@sd71.bc.ca">richard.swanson@sd71.bc.ca</a>	250-339-5525
Molly Dixon	Gold House	<a href="mailto:molly.dixon@sd71.bc.ca">molly.dixon@sd71.bc.ca</a>	250-339-5525

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

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

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

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

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

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

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

# CAREER EXPLORATIONS NAVIGATE (NIDES)

**High School Students may take a FREE course  
via distributed learning while attending high school!**



There are no tuition fees for BC high school students who enroll in a secondary (grades 10-12) course via distributed learning. Resources are provided free of charge.

Students, if you have the energy and drive to be an independent and self-paced learner, you may wish to take a course via distributed learning at North Island Distance Education School (navigate), right here in SD#71.

Required core courses and electives are available. Choose from academic courses at the 10-12 level: English, Math, Social Studies, Science, Physical Education. Elective courses include: International Languages, Photography, Business courses and Information Technology. Psychology 11 and 12, Family Studies 11, Sports and Entertainment Marketing 11, Tourism 11 and Comparative Civilizations 12 Visit the navigate website [www.navigatenides.com](http://www.navigatenides.com) to find a complete list of available courses.

- Students should consult their school counsellor about suitability of course selection for graduation in advance of enrolment. (navigate will notify the student's school of any enrolments.)
- Enroll in a course when you are ready to begin. Students can start most courses at any time.
- Unit tests are usually written at the local high school.
- Students will require access to an internet capable computer.
- Navigate teachers are available to students via email or telephone to provide support to students.
- Navigate teachers are present at each school on a regular basis to provide academic support or to supervise tests.

*(\*Free tuition does not apply to non-BC residents. Students in the International Program may enroll but tuition fees will apply.)*

Enrolment Procedure – Enrolment is ONLINE

1. Visit the navigate website [www.navigatenides.com](http://www.navigatenides.com) and select the Registration Tab.
2. Complete the online Registration Form for Secondary students
3. Complete the online First Assignment for the required course(s).
4. Students will receive an email with their login information for online courses, and any required resources will be sent from navigate.

2505 Smith Road  
Courtenay, British Columbia, Canada, V9J 1T6  
1-800-663-7925 250-337-5300 Fax 250-337-2310



Visit the Comox Valley Careers website <https://www.comoxvalleyschools.ca/career-programs/>  
A very important component of any Career Planning is connecting students to the 'world of work' through **work experience**. Work experience validates whether a student's interests and predicted career pathway is realistic or needs adjusting. Highland offers the following programs to link students with the workforce.

## **Career Life Education 10**

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

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

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

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

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

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

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

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

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

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

(Open to Grades 10, 11 and 12)

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



Benefits of work experience are:

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

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

### Metal Mechanical Trade Sampler

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



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

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

### Construction Trade Sampler

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



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

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

### Transportation Trade Sampler

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



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

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

### Youth Train In Trades

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



### Train in Trades programs offered

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

See the school district careers web page <https://www.comoxvalleyschools.ca/career-programs/> to learn more.



**NORTH ISLAND  
COLLEGE**



# DISTRICT APPRENTICESHIP PROGRAMS

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

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

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

## Professional Cook 1

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

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

## Youth Work in Trades

What is Youth Work In Trades?

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

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



### Need more information?

Visit the Comox Valley Careers web site: <https://www.comoxvalleyschools.ca/career-programs/>

## Dual Credit Opportunities with North Island College or Vancouver Island University

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

The Careers Department can sponsor you to take courses or a Certificate program if you have completed the pre-requisites and are still a student in your high school



<p><b>Courses:</b> Students may take <b>any</b> NIC or VIU course, popular career path course are:</p>		<p><b>Certificate Programs:</b></p>
<ul style="list-style-type: none"> <li>➤ Computer Programming Systems 102</li> <li>➤ Fine Arts 110</li> <li>➤ Medical Terminology</li> <li>➤ Criminal Justice 131</li> </ul>	<ul style="list-style-type: none"> <li>➤ Psychology 130 &amp; 131</li> <li>➤ Business 162 &amp; 150</li> <li>➤ Criminology 101</li> <li>➤ Math 151</li> <li>➤ Digital Design 105</li> </ul>	<ul style="list-style-type: none"> <li>➤ Health Care Assistant</li> <li>➤ Early Childhood Care &amp; Education</li> <li>➤ Human Services</li> <li>➤ Business &amp; Office Administration</li> <li>➤ Web Design</li> <li>➤ Digital Marketing</li> <li>➤ And more...</li> </ul>
<p><b>Key points...</b> Spend your last semester making the transition to Post Secondary, courses run at NIC or VIU. Be sponsored to take a <b>course(s) or a certificate program</b>. Please visit your school Careers office for more information.</p>		

## Computer Programming Systems 102 (Required for Engineering)

3 Credit(s)

This course is an introduction to computer programming using C++. Topics include problem analysis and program development, data types, selection and iteration, functions, recursion, arrays, lists, and an introduction to object-oriented programming.

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

- C in one of Pre-calculus Math 11
- C in English 12

**Principles of Marketing BUS 162 (Required for Business Programs, Certificates and Degrees)**

3 Credit(s)

This course introduces students to the basic concepts and principles of marketing as it relates to the public, private, and not-for-profit sectors. Particular emphasis will be given to the topics of assessing dynamic marketing environments and developing a marketing strategy and marketing mix.

**Prerequisite(s):**

- C in English 12

**Graphic Design Foundations DGL 102 (Required for most Digital and Web Certificates and Diplomas)**

3 Credit(s)/4 hours

This course provides a general overview of contemporary practices in Graphic Design. The creation of vector graphics and the application of design principles are integrated into projects that cover identity design, poster design and the design process. Students will discuss historical and contemporary concepts and learn to think critically.

**Prerequisite(s):**

- C in English 12

**Drawing & 2-Dimensional Language I FIN-110 (Required for most Fine Art Certificates and Diplomas)**

3 Credit(s)

This course is an exploration of drawing and mark-making, it introduces methods, material and concepts particular to the medium of drawing and visual language. The intention of this course is to provide students with foundational skills and artistic vocabulary that will enable them to express themselves in the medium of drawing. An emphasis will be put on comprehension, analysis, and ability to make artistic decisions.

**Prerequisite(s):**

- C in English 12

# UNDERSTANDING MATHEMATICS

## “What are the Pathway Names and what is in them?”

Each pathway is designed to provide students with the mathematical understandings, rigor and critical-thinking skills that have been identified for specific post-secondary programs of study and for direct entry into the work force. The content of each pathway has been based on the *Western and Northern Canadian Protocol (WNCP)* which governs curriculum in the Western Provinces and Northern Territories. There are three pathways of courses to consider:

### **Workplace Mathematics (Courses at grade 10, 11 and 12)**

This pathway is specifically designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into the majority of trades at post-secondary and for direct entry into the work force. Topics include algebra, geometry, measurement, number, statistics and probability.

### **Foundations of Mathematics (Courses at grade 11 and 12)**

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus like Economics, Geography, Arts or Humanities. Topics include financial mathematics, geometry, measurement, number, logical reasoning, relations and functions, and statistics and probability. Most students will choose this pathway.

### **Pre-calculus (Courses at grade 11 and 12)**

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus like Sciences or Engineering. Topics include algebra and number, measurement, relations and functions, trigonometry, permutations, combinations and binomial theorem. A small number of students will choose this pathway because of the higher-level topics included in it.

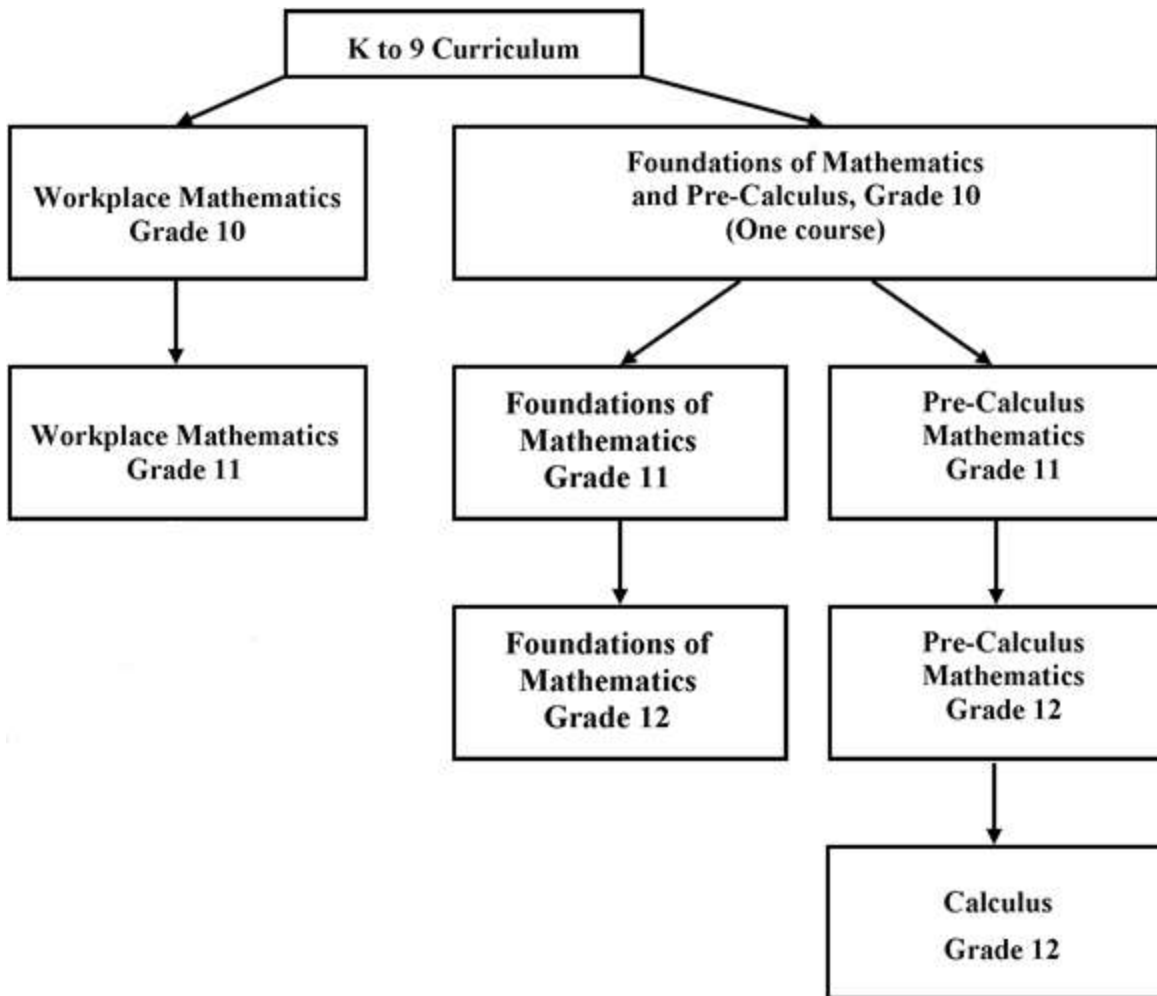
## “Which Math course is best suited to my child?”

While there is no “rule” about which Math course is right for each student, the decision can be made easier by thinking about your child’s ability in Math, his/her interest in Math, and his/her future education and career plans. The new courses have been designed to facilitate student success after high school. **For example:** If your child has worked hard in Math 8 or 9, enjoys working on projects or “hands-on” activities, or intends to pursue a trade or technical job after high school, and then choose the **Workplace pathway**.

If your child has worked hard in Math 8 or 9, enjoys working on projects or “hands-on” activities, or is planning further study in the Social Sciences like Economics, Geography, Psychology, Arts or Humanities at post-secondary, then the **Foundations pathway** will be the best choice. If your child has been very successful in Math 8 and 9, enjoys the challenges of Math, and is thinking about future education or a career that involves Sciences or Engineering at a university, then starting the **Pre-Calculus pathway** will be the best choice.

Your child’s education choice after high school depends, in part, on the courses he/she takes in high school. To find out more information about each pathway option, please talk to your child’s Principal, counselor and math teacher as well as visit [www.wncp.ca](http://www.wncp.ca) for more curriculum information. **Parents need to remember that grade 10 has ONLY two courses but there are three pathways in grade 11 to 12. Please review the diagram below. Students who choose grade 10 Workplace Math cannot move to the Foundations stream easily. The learning outcomes of Workplace 10 are not designed to support students going into Foundations 11.**

# MATHEMATICS PATHWAYS





# GRADE 9 REQUIRED COURSES

## Career Education 9

The Career Education supports students in becoming successful, educated citizens by helping them learn how to effectively manage their life journey toward preferred future possibilities. Students identify and develop their personal interests, passions, and competencies. Students reflect on learning experiences in school and community, build confidence through their contributions, and explore multiple career-life roles and choices.

## English 9

English 9 is a literature-based course that continues to develop key concepts in writing, thinking and communicating. Students will study short stories, novels, poetry and essays. Students will read a variety of text, which may include anything from Shakespeare and other plays, to globally-themed novels and articles. Inquiry activities and projects will be a focus. This course is in conjunction with Social Studies 9 as Humanities.

## Mathematics 9

This course will cover a range of topics that will assist in preparing students for the challenges of future Math courses. Topics will include: Number operations, Rational numbers, Algebraic expressions and equations, Powers, Polynomials, Surface area and Volume of 3-D objects, Geometry, Data Analysis and Probability.

# Physical & Health Education

Students choose one of the following PHE courses:

## Physical and Health Education 9

This course focuses on recreational activities and personal fitness development. Topics will include a variety of recreation activities such as ultimate, softball, and badminton. Students will have the opportunity to design and participate in a personal fitness program, and to participate in a comprehensive health unit. Evaluation and assessment will focus on improvement and enjoyment of physical activity.

## Physical & Health Education 9: Fitness Studio for Girls

This course is designed to encourage young women to participate in a wide variety of activities in a co-operative and positive environment. Further development of physical literacy, knowledge and individual fitness is a priority. Some of these activities are individual by nature, while others are more team-oriented. Yoga, Pilates and exercises set to music will be regular aspects of the course.

## **Science 9**

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, biology and space science through experimentation. The biology unit covers cell division and reproduction. The chemistry unit studies atomic structure, chemical formulae, chemical changes and chemical equations. The physics unit covers the characteristics of electricity. The space science unit studies the universe and our solar system.

## **Social Studies 9**

This course covers the various historical and philosophical events in Europe and North America from 1750 to 1919 that had a direct impact on European-North America development. It covers geography, the disparities in power and the impact on individuals and society, as well as the influences on political, social, and economic changes. Current events, global connections, inquiry and simulation experiences will enhance our understanding of people and issues.

# GRADE 10 REQUIRED COURSES

## English Language Arts 10

Credits: 4

English Language Arts 10 is a semester-long course incorporating composition and literary studies. Students will develop their written communication skills through the critical process of questioning, exploring, and sampling. Students will read and study compositions by a variety of writers (including First Peoples) and consider a variety of styles as models for the development of their writing.

## Foundations of Mathematics & Pre-Calculus 10

Credits: 4

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

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

## Workplace Mathematics 10

Credits: 4

Workplace Math topics include geometry, trigonometry, measurement and finance. The Workplace Math courses are specifically designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into some of trades at post-secondary and for direct entry into the work force. For more information about the Math choices at grade see pages 16 and 17 of this guide.

## Career Life Education 10

Credits: 2

The aim of Career Life Education is to enable students to become self-directed individuals who set goals and make thoughtful decisions about their future. The course includes information about the graduation program, financial planning, workplace etiquette, standards and safety, education and careers, and global and labour market trends. This is a 4-credit course with 2 credits given for the course content and 2 credits for completing 30 hours of Career Experience.

# Physical & Health Education 10

Choose one of the following PHE courses:

## Physical and Health Education 10

Credits: 4

This course focuses on recreational activities and personal fitness development. Topics will include a variety of recreation activities such as ultimate, softball, and badminton. Students will have the opportunity to design and participate in a personal fitness program, and to participate in a comprehensive health unit. Evaluation and assessment will focus on improvement and enjoyment of physical activity.

**Physical & Health Education 10: Fitness Studio for Girls****Credits: 4**

This course is designed to encourage young women to participate in a wide variety of activities in a co-operative and positive environment. Further development of physical literacy, knowledge and individual fitness is a priority. Some of these activities are individual by nature, while others are more team-oriented. Yoga, Pilates and exercises set to music will be regular aspects of the course.

**Physical and Health Education 10: Competitive Games****Credits: 4**

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

**Science 10****Credits: 4**

This course studies four essential areas: chemistry, biology, physics and earth science. Students will be given the opportunity to develop skills in interpreting data, analyzing chemical reactions and evaluating aspects of climate change.

**Social Studies 10****Credits: 4**

The major focus of this course is Canada, its history and relationship with the world. Topic studies will include Canadian history during the 20th century, Canadian government, and human geography.

## LANGUAGE COURSES

**French 9**

Students will further develop the four skills of listening, speaking, reading, and writing. Grammar points continue to be introduced as a tool to help students communicate in an effective manner. Students will explore Francophone cultures, as well as identify similarities and differences between those cultures and their own. Themes may include music, comic books, cartoons, sports, and food. In this course students will also learn about the First people's cultures and traditions as well as their connection to the francophone world.

**French 10****Credits: 4**

French 10 will solidify much of what has been learned up to this point and introduce new concepts designed to increase students' ability to communicate effectively in common everyday situations. Students will continue to develop their ability in the four skills of listening, speaking, reading, and writing. Grammar points will continue to be used as a tool to help them communicate in an effective and more sophisticated manner. Students will engage in activities designed to learn about Francophone and First Peoples' cultures. Themes may include music, travel, urban legends, food, sports, television and film.

**Introduction to Spanish 9/10****4 Graduation Credits at the Grade 10 Level**

**¿Quieres aprender español?** As a student of introductory Spanish, you will learn how to speak, read, and write in Spanish using real-life scenarios, such as shopping, food, family, friends, traveling, hobbies, and the household. You will use story to share your experiences and strengthen your own personal identity. You will also explore different regional variations of cultural identity through a variety of creative works. **Post-secondary:** You also need take Spanish 10 and 11 to satisfy some entrance requirements.

## Grade 9/10 Electives

### ART

**Art 9/10****2 Graduation Credits at the Grade 10 Level**

This is a creative course in Art covering the basics in both 2D and 3D, including drawing, painting, colour theory, basic design, printmaking, clay work and sculpture. Emphasis will be on students improving their ability to express themselves in art as they develop their skills.

### COMPUTERS

**Photography 9/10****2 Graduation Credits at the Grade 10 Level**

This is an introductory level photography course where students will learn composition skills, camera basics, photo management & photo editing skills using Photoshop. Students who have taken the course at the Grade 9 level will be encouraged to build on existing skills through a new set of assignments. Access to a digital camera will be an asset; however, it is not a requirement.

**MakerSpace 9/10****2 Graduation Credits at the Grade 10 Level**

The Maker Space is an environment which allows students to choose a technology area(s) they can pursue under the instruction and guidance a teacher. Areas of study may include Electronics, Engineering, Robotics, Computer Programming, Graphic Production and possibly more. Students may choose one or multiple blocks of Maker Space.

**Graphic and Media Design 9/10****2 Graduation Credits at the Grade 10 Level**

Media Studies is a computer course in which several digital pathways will be explored depending on the interest and/or needs of the students. These pathways may include: Animation including 2D Modeling and Stop Motion Animation, Television and Film Production, Digital Photography including the use of Photoshop, Web Design and/or Graphic Design. This course runs in a series of levels; complete level one and move on to levels two and three. Students will have the opportunity to build on skills in each level and will be challenged to take on larger projects.

# DRAMA

## **Drama 9/10**

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

Drama is a fun, creative, challenging and active elective. Students will continue to build on the skills, attitudes and experiences developed in Drama 8. Exploration, ensemble and imagination are a must! We will work on games, improvisation, voice, movement and basic acting skills. Students will learn to work from scripts and may choose to produce a live performance!

## **Improv 9/10**

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

This is a course about creating engaging, live, spontaneous theatre using minimal costumes or props. Students will learn the skills needed to create original scenes, characters and stories using physical theatre and voice. Strong emphasis is placed on the strength of building the ensemble, rehearsal and commitment. Course content is linked with the goals and philosophies of the Canadian Improv Games. Our school's improv teams may be formed within this class. A strong desire and commitment to perform is required.

# HOME ECONOMICS

## **Global Foods 9/10**

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

Ever wonder where the foods we eat come from or what other cultures eat and why? Join the world tour; cook and eat your way around the world. You learn to expand your "normal" diet to include foods you might otherwise never learn to make! And some you already love!

## **Food Studies 9/10**

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

Learn how to make all 5 meals of the day (Breakfast, Lunch, snacks, dinners, desserts). In this course we focus on improving your kitchen skills and nutrition knowledge while enjoying good food.

# MUSIC

## **Band 9/10**

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

This course continues to develop the instrumental background from Band 8 and Band 9. We will play and perform a variety of fun and challenging music in a wide variety of styles throughout the year. The emphasis is on group and individual achievement as well as class cooperation. Students will perform in two major school concerts as well as at festivals and on the spring band trip. Students need to be members of this class if they wish to join Jazz Band.

**Chorus 9/10****2 Graduation Credits at the Grade 10 Level**

This course introduces students to singing in a group setting, but also welcomes experienced singers as leaders in the group. The class will work on fun and challenging songs in 3 and 4-part harmony in a wide variety of styles. Solo possibilities exist, but no solo singing is required. Choir meets at lunch and after school, so you do not have to sign up for it on the course selection sheet. Enrollment will take place in September. Students will perform in a choir festival, at all three Comox elementary schools, and at the two major school concerts.

**Jazz Band 9/10****2 Graduation Credits at the Grade 10 Level**

This course gives students the chance to develop playing skills in jazz, rock and Latin music. Basics of jazz improvisation will be introduced, but the main emphasis is on playing and enjoying different musical styles. Jazz Band meets at lunch and after school, so you do not have to sign up for it on the course selection sheet. Enrollment will take place in September. Jazz Band members will perform at two major concerts during the year as well as on the Spring Music trip. All Jazz Band members must also be in Band 9/10.

## PHYSICAL EDUCATION

**Fitness 9/10****2 Graduation Credits at the Grade 10 Level**

This class is for active students who want to stay fit and learn more about their fitness. Student will make regular use of the weight room and running will be a regular part of the class.

**Sports Leadership 9/10****2 Graduation Credits at the Grade 10 Level**

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

## TECHNOLOGY EDUCATION

**Introduction to Trades 9/10****2 Graduation Credits at the Grade 10 Level**

In this participatory and hands-on course, students will be introduced to a variety of trades-based experiences, including safe use of tools and machinery, and programs available to them in BC. We will focus on two trades – carpentry and electrical – and will build a small introductory project, small housing units, and complete several Electrical labs in this course. Through online resources and experience in the shop, you will discover all that trades and apprenticeship training can offer...and some cool skills along the way!

**Jewelry & Metalwork 9/10****2 Graduation Credits at the Grade 10 Level**

In this exciting course, you will design and create several unique and diverse projects out of metal. Students will develop skills in safely operating torches, saws, hammers, and other tools to craft beautiful pieces that will last a lifetime.

**MakerSpace 9/10****2 Graduation Credits at the Grade 10 Level**

The Maker Space is an environment which allows students to choose a technology area(s) they can pursue under the instruction and guidance a teacher. Areas of study may include Electronics, Engineering, Robotics, Computer Programming, Graphic Production and possibly more. Students may choose one or multiple blocks of Maker Space.

**Robotics71****4 Graduation Credits at the Grade 10 Level**

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

- The program builds skills in; coding, communication and collaboration, electronic wiring, mechanical design and assembly, machining & fabrication, 3D printing & laser cutting.
- Students have the opportunity to compete in Vex and Skills Canada tournaments (locally, provincially, nationally, internationally)

**Robotics 9/10****2 Graduation Credits at the Grade 10 Level**

This course allows students to enter into the world of electronic\robotic systems using many different materials, techniques and machining processes. Students will learn programming skills to control mechanical systems and make them move. There are two main projects that will be worked on: Vex robotics to build and program robots and drive and pick things up and the other is a mini tethered Sumo Bot that will push other bots out of the ring. 3D modelling and the use of a 3D printer and laser engraver will be a part of the course as well. This is a hands-on course.

**Small Engines 9/10****2 Graduation Credits at the Grade 10 Level**

Do you like things that go FAST? Ever wonder how they do? If so, then this is the course for you. In a single term you will learn how to diagnose, maintain and repair small-sized gasoline powered engines. You will completely tear down and rebuild both a 4-stroke and a 2-stroke engine. And as if that wasn't enough, you will also compete to best harness the power of a small 2-stroke aircraft engine to propel a drag boat of your own creation. This course may only be taken once, in either grade 9 or grade 10.

**Woodwork 9/10****2 Graduation Credits at the Grade 10 Level**

Do you like working with your hands and being creative? Have you ever wanted to build your own projects, discover the world of tools, and have fun in the process? Woodwork is a class where you will design and construct several skill-building projects that alternate from year to year. Students will develop skills in safely operating woodworking machinery and in following procedures to build a project.



# OTHER OPPORTUNITIES

## **Dance 9/10**

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

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

## **Emergency Care 9/10**

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

Students will become confident first aid attendants who are able to deal with many emergency situations after taking this course. Basic human anatomy, earthquake and natural disaster preparedness are included in this standard first aid course. Students are expected to participate in scenarios and practical activities where they will be asked to role-play and demonstrate the first aid techniques taught in class. Learning first aid is an extremely valuable life skill and all students will have the opportunity to become certified in the St. John Ambulance Standard First Aid Course.

## **Entrepreneurship & Marketing) 9/10**

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

If you are interested in learning how businesses function and gain an appreciation for how the world of finance works, this course is a great start! Enterprise is a locally developed course that is designed to be an introduction to business and business education. The course will be taught through a variety of methods including experiential learning, board games, lessons, and films. During this elective course the students will be introduced to many business and economic topics that can be explored in greater detail in other business courses offered at Highland.

## **Marine Biology 9/10**

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

This elective gives students a chance to explore oceanography and marine biomes. Barrier reefs, atolls, the open ocean, the abyss, and the life that lives there are introduced through a variety of project-based activities, video, media and field trips. Perfect for students living on the west coast and who plan to travel worldwide.

## **Criminology 9/10**

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

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