



HIGHLAND Secondary School



SENIOR PROGRAMMING GUIDE 2021 – 2022

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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 15 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

80 CREDITS OVER GRADES 10, 11 AND 12

52 required credits:

- Language Arts 10 (4 credits)
- Language Arts 11 (4 credits)
- Language Arts 12 (4 credits)
- Social Studies 10 (4 credits)
- A Social Studies 11 or 12 (4 credits)
- Science 10 (4 credits)
- A Science 11 or 12 (4 credits)
- Mathematics 10 (4 credits)
- Mathematics 11 or 12 (4 credits)
- Physical and Health Education 10 (4 credits)
- Fine Arts and/or Applied Skills ;10, 11 or 12 (4 credits)
- Career Life Education (4 credits)
- Career Life Connections (4 credits)

Students must also:

- complete a minimum of **28 elective credits**

The minimum total number of credits required for graduation is 80.

An unlimited number of credits from board or independent school authority authorized or post-secondary electives may count toward graduation.

A minimum of 16 credits from either ministry or board/authority authorized or post-secondary courses are required at the Grade 12 level.

INDEPENDENT LEARNING CENTER (ILC)

Have you ever wanted to learn in your own way? Do you want to take a course that isn't available in the regular timetable? Do you want to make your own course? If you answer yes to any of these, the ILC may be for you.

In the ILC, students set learning goals, and pace themselves through a term, or a semester, to achieve a specific goal, or complete a specific course. A teacher/facilitator is present to help students manage the multi-faceted demands of independent learning.

Students have two choices – to complete an online course readily available through any BC certified distributed learning school OR to complete an Independent Directed Study (IDS) in any area of interest. If you take a certified online course, you receive credit for that course (ie. not for the ILC block). If you do an IDS course you receive credit for that work if it is deemed to represent 2-4 credits worth of work.

Independent learning is not for everyone. You need to be able to self-motivate and self-regulate. Only students who have demonstrated some promise as an independent learner will be eligible to have a block in the ILC. It is expected that students use their time wisely in the ILC. The ILC is not a study block, nor is it a place to socialize. If you are not successful in the ILC, you will not be eligible for another ILC block in the future. Access to the ILC is a privilege.

BLENDED LEARNING

Highland School offers many Blended courses in which students participate in education that combines face to face instruction with online learning. Those classes labeled as “Blended” in the course selection worksheets may have alternate schedules which result in less time spent in class during the school day. Blended courses emphasize student-centric learning, independent learning skills, flexible scheduling based upon content/student needs, enhanced communication skills and differentiated learning. Students choosing “Blended” classes are strongly encouraged to have access to technology at home.

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 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 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



CAREER EXPLORATIONS

Career Planning

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

Career Life Education 10

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

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

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

Career Life Connections 11/12

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

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

Career Experience – 30 Hour Career Life Connections Requirement

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

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

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

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

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

Work Experience 12A & 12B

(Open to Grades 10, 11 and 12)

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

Benefits of work experience are:

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

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

Metal Mechanical Trade Sampler

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



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

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

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.

<p>What you Need...</p> <ul style="list-style-type: none"> ➤ Enjoy working outside ➤ Desire to work in a construction trade ➤ Good attendance and a strong work ethic 	<p>What You Will Get ...</p> <ul style="list-style-type: none"> ➤ Applied Math 11 credit ➤ 16 credits towards Grade 12 ➤ Practical “hands-on” training experience ➤ Valuable industry experience
---	---

➤ Like to build structures	➤ Workforce training certificates (First Aid, WHMIS, Fork Lift, Fall protection, etc)
What You Will Do... <ul style="list-style-type: none"> ➤ Spend a semester fully immersed in the construction trades such as carpentry, electrical, plumbing, drywall, etc. ➤ 4 days in shop and 1 day per week on work experience or working on workforce training certificates 	

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.

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

Youth Train In Trades

- Youth Train In Trades programs allow students to earn credit towards both high school graduation and trades qualifications.
- Students in Train programs will complete Level 1 Apprenticeship Technical Training in their chosen trade and gain valuable practical experience.



- Work in Trades students also qualify for the Train program.
- Train programs involve course work at high school and/or college.
- Train programs cover tuition costs.
- Students should start planning Train courses by Grade 11.

Train in Trades programs offered

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

See the school district careers web page careerprograms.comoxvalleyschools.ca to learn more.

DISTRICT APPRENTICESHIP PROGRAMS

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

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

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

Hairstylist

This program equips students with foundational skills for a career in hairstyling and exposes them to the exciting world of cosmetology. The program is at Keystone Academy in Courtenay.

<p>What You Need...</p> <ul style="list-style-type: none"> ➤ Present yourself in a confident, ethical and professional manner ➤ Good attendance and a strong work ethic ➤ Complete English 12 prior to starting the program 	<p>What You Will Get...</p> <ul style="list-style-type: none"> ➤ ITA Certificate of Qualification ➤ 36 graduation credits over two semesters ➤ Practical “hands-on” training experience ➤ Continue to Red Seal Hairstylist
<p>What You Will Do...</p> <ul style="list-style-type: none"> ➤ Spend your Grade 12 year fully immersed in hairdressing <u>OR</u> start in February and continue until October. ➤ 4 days per week; Tuesday to Friday from 8:30 am to 4:30 pm ➤ Master the theoretical and practical knowledge necessary to write the ITA Certificate of Qualification. 	

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

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://careerprograms.comoxvalleyschools.ca>

Dual Credit Opportunities with North Island College

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

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

<p>Courses: Students may take any NIC course, popular course that tend to align with your school schedule are:</p>		<p>Certificate Programs:</p> <ul style="list-style-type: none"> ➤ Health Care Assistant ➤ Early Childhood Care & Education ➤ Human Services ➤ Business & Office Administration ➤ Web Design ➤ Electronics Technician Core ➤ And more...
<ul style="list-style-type: none"> ➤ English 115 and 122 ➤ Fine Arts 110 ➤ Medical Terminology ➤ Criminal Justice 131 	<ul style="list-style-type: none"> ➤ Psychology 130 ➤ Business 162 ➤ Criminology 101 ➤ Math 151 ➤ Human Anatomy & Physiology 160 ➤ Early Childhood 168 	
<p>Key points... Spend your last semester making the transition to Post Secondary, courses run at Vanier and NIC. Be sponsored to take a course(s) or a certificate program. Please visit your Careers office for more information.</p>		



UNDERSTANDING MATHEMATICS 10

“What are the new 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.

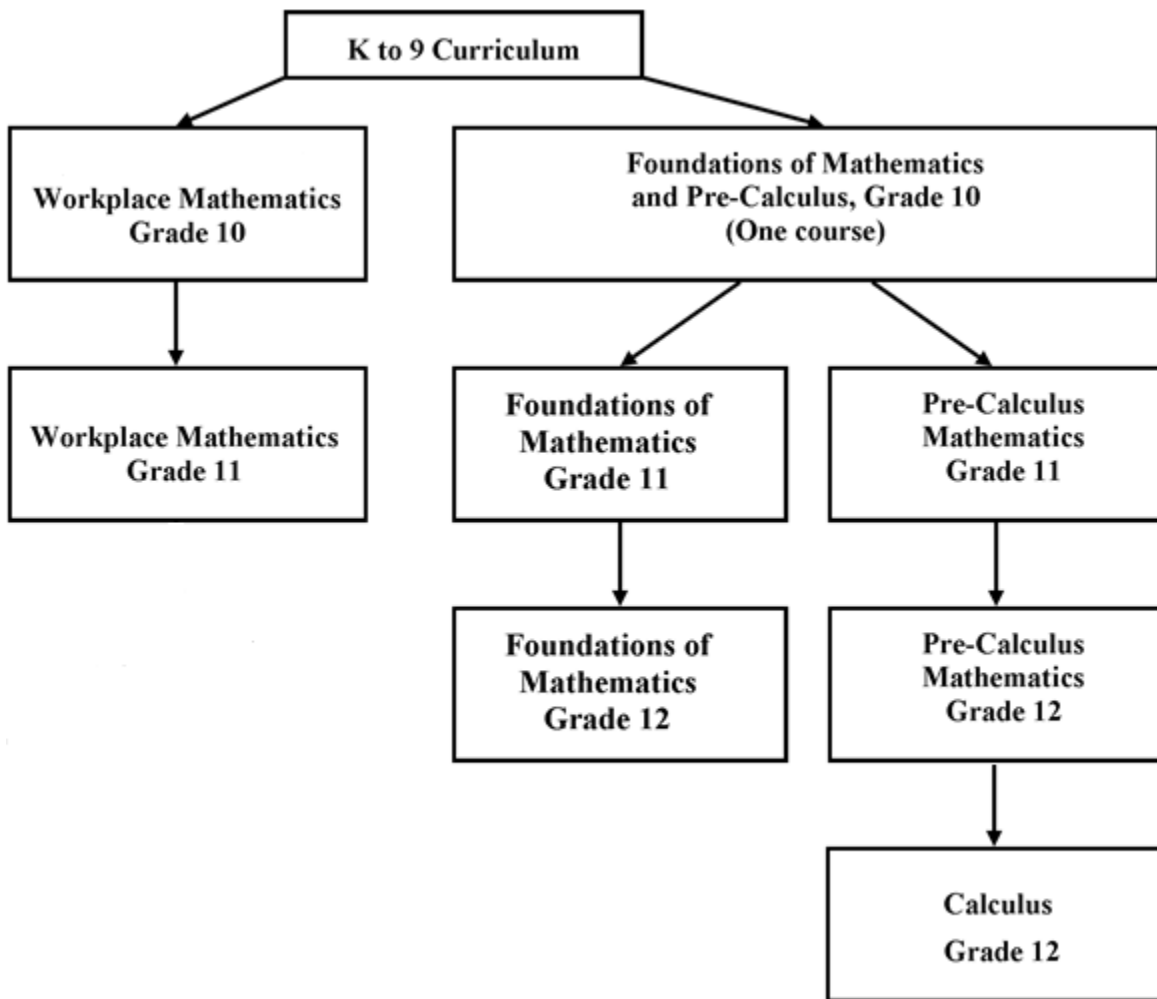
“Which Math course is best suited to my child?”

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 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



COURSES AND PROGRAMS

ART

Art Studio 11	Credits: 4	Course Code: MVA111
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Similar to Art 10, but more demand made in skill level and complexity of projects. This course will expand your knowledge and ability if you've taken art before, but can still be a course for students with little experience.

Art Studio 12	Credits: 4	Course Code: MVA121
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Another step up from Art 10 & 11 furthering your skill and creativity in drawing, printmaking, painting and some sculpture.

Art Careers 12	Credits: 4	Course Code: YSEVC2C
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Designed for Grade 12 students who are interested in pursuing Art as a vocation. Students move from Teacher assigned tasks in the beginning designed to further their technical skills transitioning increasingly toward independent choices around themes and media they wish to explore. Work produced will be of a "gallery hangable" standard and which can form part of a portfolio for application to Art Schools.

Digital Art 11/12	Credits: 4	Course Code: MVAMT11 Course Code: MVAMT12
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Take your first step into the world of Digital Art! This course focuses on learning how to draw, illustrate and sculpt on the computer, so be prepared to use a pen tablet. Learn the ins and outs of Adobe Illustrator, a must for any aspiring graphic designer. Students also use Blender 3D modeling to develop and bring to life 3D creatures and contraptions and set them in a 3D world. Through hands-on activities, students will develop multiple professional quality renderings.

BAND AND MUSIC

Concert Band 11/12	Credits: 4	Course Code: MIMBC11 Course Code: MIMBC12
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This course continues to develop the instrumental training of Band 10. The main goal of every class is playing and performing music. We will play a variety of fun and challenging music in a wide variety of styles throughout the year. The emphasis for this course is class cooperation, and group and individual achievement. Students will perform at two major concerts, as well as at festivals, and on a major trip each year. Students in this course may also be eligible to participate in the Highland Senior Jazz Band. This is a year-long course.

Choral Music 11/12	Credits: 4	Course Code: MCMCC11 Course Code: MCMCC12
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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. 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. Solo possibilities exist, but no solo singing is

required. Students will perform in a choir festival, at all three Comox elementary schools, and at the two major school concerts.

Jazz Band 11/12

Credits: 4

Course Code: MIMJB11

Course Code: MIMJB12

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 annual senior music trip. All Jazz Band members must also be in Band 11 or 12.

CAREERS

Career Life Education 11

Credits: 2

Crse Code: MCLEB10

This course is a 2-credit course required for graduation. This will be delivered as a blended model with activities and lessons completed online complemented by pullout classroom lessons with a career education teacher. Students will use Canvas, a cloud-based learning management system to complete the majority of their assignments. This course will focus on career-life development and opportunities, global and local economic trends, networking, and career-life balance.

**Career Life
Connections 12**

Credits: 2

Crse Code:

MCLCA12

This course is a 2-credit course required for graduation. This will be delivered as a blended model with activities and lessons completed online complemented by pullout classroom lessons with a career education teacher. Students will use Canvas, a cloud-based learning management system to complete the majority of their assignments. This course will focus on career-life development and opportunities, global and local economic trends, networking, and career-life balance.

Capstone Project

Credits: 2

Crse Code: MCLCB12

This is a required component of the Careers Curriculum for graduation. Students will design, assemble, and present a career capstone project to an audience that demonstrates their personal career learning and achievement (both in and out of school). An additional component of the project will be to show growth in the core competencies and a discussion of their post-graduation plan. This project will use material from CLE 10, CLE 11 and CLC 12.

DRAMA

Drama 11 & Drama 12

Credits: 4

Crse Code: MDRTC11

Crse Code: MDRTC12

Theatre is the art of translating ideas into dramatic form to communicate between stage and audience. It is magical, active and fun. In Theatre, students gain the knowledge, skills and attitudes necessary to become theatre performers through study of exploration, analysis, body and voice skills, characterization, historical and cultural contexts and the interrelated roles that comprise a theatre Company.

Theatre students will experience a variety of styles, forms and elements of production. Through their involvement in performances students will understand the technical and practical aspects of theatre. Through participation in the rehearsal and performance process, students gain confidence, self-esteem and a sense of commitment.

Specific units of study vary year to year to accommodate student interest and ability: Current students have enjoyed mask making, set design and construction, Improv, games, stage/sword fighting, one act plays, monologues, accents, acting, make up, Physical Theatre, Shakespeare, etc... field trips, seeing and performing in shows are a highlight of this course.

Improv 11 & Improv 12	Credits: 4	Crse Code: MDRM-11 Crse Code: MDRM-12
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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.

ENGLISH LANGUAGE ARTS

Literary Studies 11	Credits: 4	Course Code: MLTST11
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Literary Studies 11 allows students to delve deeply into literature. Students can explore specific themes, periods, authors, or areas of the world through literary works (fiction and non-fiction) in a variety of media. Giving students the choice of a range of literary topics allows them to follow their passion and at the same time:

New Media 11	Credits: 4	Course Code: MNMD-11
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New Media 11 is a program of studies designed to reflect the changing role of technology in today's society and the increasing importance of digital media in communicating and exchanging ideas. New Media 11 recognizes that digital literacy is an essential characteristic of the educated citizen. Coursework is aimed at providing students with a set of skills vital for success in an increasingly complex digital world by affording numerous opportunities to demonstrate understanding and communicate increasingly sophisticated ideas through a wide variety of digital and print media.

English Studies 12	Credits: 4	Course Code: MENST12
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English Studies 12 is a required course which builds on and extends students' previous learning in their grade 10 and 11 courses. It is designed for all students and provides them with opportunities to:

- refine their ability to communicate effectively in a variety of contexts and to achieve their personal and career goals
- think critically and creatively about the uses of language
- explore texts from a variety of sources, in multiple modes, and that reflect diverse worldviews
- deepen their understanding of themselves and others in a changing world
- gain insight into the diverse factors that shape identity
- appreciate the importance of self-representation through text

The English 12 Blended Delivery combines in-class school instruction with one dedicated Flex day for students to work from home or come into school for small group or individual support. The course content and assignments have been designed to be accessible through the internet while instruction and guidance is provided face to face in the classroom.

Creative Writing 11 & 12

Credits: 4

Course Code: MCTWR11

Course Code: MCTWR12

Creative Writing 11 & 12 is designed for students who are interested in creating a body of work reflective of a sophisticated breadth and depth of skill. The course provides students with opportunities to specialize and publish in real-world contexts. Students engage in the exploration of personal and cultural identities, memories, and stories, in a wide range of genres. Within a supportive community, students will collaborate and develop their skills through writing and design processes, celebrating successes. Students will refine their ability to write in complex, controlled styles with effectiveness and impact.

HOME ECONOMICS

Food Studies 11/12

Credits: 4

Course Code: MFOOD11

Course Code: MFOOD12

This course covers meal and recipe design with components of recipe development and modification. In this course we will analyze ingredients, functions of ingredients, proportions, temperatures, and different preparation methods. Students will compare factors that contribute to Canada's food guide, First People's food guides and international food guides. Students will also study food labeling and food marketing strategies and their impact on specific groups.

Culinary Arts 11/12

Credits: 4

Course Code: MCUL-11

Course Code: MCUL-12

This senior course requires evaluation and refinement of culinary principles and practices. Students study diverse cuisine and cooking methodologies, menu design and the artistic elements of culinary arts. Students will identify characteristics of culinary ingredients, methods for seasoning and presentation and substitutions to facilitate dietary restrictions and allergies. Students will recognize advancements in culinary tools and career opportunities in the food industry.

Child Development 12 (formerly Family Studies 12)

Credits: 4

Course Code: MCDAC12

Explore a variety of topics from social issues, to child development and growth, to relationships, to housing needs. A great course if your interests are in psychology, sociology, human development or planning for your future in independent living.

COMPUTERS

Maker Space 11/12

Credits: 4

Course Code: multiple

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.

Media Design 11/12

Credits: 4

Course Code: MMEDD11

Course Code: MMEDD12

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.

Yearbook 11/12

Credits: 4

Course Code: YCC1CYB

Course Code: YCC2CYB

A yearbook is the most important document produced during a school year. Students involved in this class will have the opportunity to record the history by writing about, taking photographs of and laying out images in Highland's yearbook. Anyone interested in graphic design and in working with colour will find this class a great addition to their portfolio and their resume. Careers related to Yearbook include Journalism, Photojournalism, Writing, Scriptwriting, Travel writing, Self-publishing, Science and technical writing, Copywriting, Broadcast journalism, Public relations, Newspaper Editor, Magazine Publisher, Advertising and promotion, Film and Video editors, Reporter, Overseas Correspondent

LANGUAGES

French 11

Credits: 4

Course Code: MFR--11

Whether you're looking to learn more French for travel, study or just for fun, French 11 will provide a supportive environment where you and your peers can explore engaging topics connected to films, magazine articles, current events and even the textbook. Culturally, our emphasis is more European this year. All that, and you'll also have met university second language (Grade 11) requirements.

MATHEMATICS

Foundations of Math 11

Credits: 4

Course Code: MFOM-11

This pathway is designed to provide students with the mathematical understandings and skills identified for post-secondary studies in programs that do NOT require the study of Calculus. Topics include Inductive/Deductive Reasoning, Properties of Angles and Triangles, Trigonometry, Statistics, Inequalities and Functions, Proportions and a Math Research Project. Financial Students who are interested in post-secondary studies like Humanities, Arts, Geography or Law, and History should choose this pathway.

Pre-Calculus Math 11

Credits: 4

Course Code: MPREC-11

This pathway is designed to provide students with the mathematical understandings and skills identified for entry into post-secondary programs that require the study of calculus, science, engineering, medicine, and business. Topics include algebra, equations and functions, trigonometry, and sequences and series. . This

course is an appropriate selection for students who have a strong work ethic out of FPC Math 10 and are able to work more independently. Students who complete A&W Math 10 are not eligible to take Pre-Calculus 11 in their grade 11 year. Pre-Calculus Math 12 follows the next year.

Workplace Math 11

Credits: 4

Course Code: MAWM-11

This pathway is designed to provide students with the mathematical understandings and skills identified for entry into trade schools and for direct entry into the work force. Topics include: financial literacy, rate of change, probability and statistics, interpreting graphs and 3D objects. Students who have taken Workplace Math 10 should take this course in grade 11.

Calculus 12

Credits: 4

Course Code: MCALC12

Intended for students who wish to cover topics beyond the Math 12 level. Recommended for all students going into Math, Science, Engineering and some business courses. Topics include the derivatives of various functions, integration and their application to solving problems. Students need to take a Math 12 in Semester 1, before Calculus in Semester 2.

Pre-Calculus Math 12

Credits: 4

Course Code: MPREC12

This course is designed for students who have a particular interest in mathematics, or who have career aspirations in the fields of engineering, mathematics, the sciences, economics and some business programs. Students need to have their own personal graphing calculator. The course will cover the following topics: (A) Problem Solving, (B) Patterns - Geometric Sequences and Series, (C) Variables and Equations, (D) Relations and Functions - Logarithms and Exponents, Trigonometry, (E) Transformations, (F) Combinations, and Probability.

PHYSICAL EDUCATION

**Fitness Studio for Girls
11/12**

Credits: 4

Course Code: YHRA-1B AL
Course Code: YHRA-2B AL

Fitness for girls is a class geared toward mind body fitness and overall health and wellbeing. It is an all girls class designed for promoting active living and enjoying the benefits that come from incorporating fitness into your life. Students will keep a journal to monitor the improvement of personal fitness levels (strength, cardio, and flexibility) as well as mood, nutrition and sleep patterns throughout the course. At the Senior level, girls will be introduced to career possibilities in the health and wellness industry. They will also be required to complete a project or presentation showing leadership skill or research into a relevant topic.

**Active Living 11/12
(Formerly P.E. 11 /12)**

Credits: 4

Course Code: MACLV11
Course Code: MACLV12

Has a recreational emphasis in performance, leisure, active health and personal development. Emphasis is on lifetime/leisure activities, team sports and recreation. This course helps satisfy the Graduation Portfolio requirements set out by the Ministry of Education.

**Fitness & Conditioning
11/12**

Credits: 4

Course Code: MFTCD11
Course Code: MFTCD12

This class is designed for students who want to increase their personal physical fitness levels. Students will set personal goals and then design and participate in a fitness training program designed to achieve those goals. Students may focus on developing their strength, power, speed, agility, quickness, flexibility, and core strength. Healthy nutrition habits, rest and recovery and injury prevention will may also be incorporated.

SCIENCE

**Life Science 11 (formerly
Biology 11)**

Credits: 4

Course Code: MLFSC11

This course covers an overview of life on earth from viruses to mammals, how they interact, and theories on their origin and how they have evolved through time. This is a hands on course with lots of dissections, labs, nature walks and local plant identification. Students who will be studying Biology in college or university should take Biology 11.

**Anatomy & Physiology
12 (formerly Biology 12)**

Credits: 4

Course Code: MATPH12

Biology is an exciting field of study with new discoveries being made daily. This course continues from Biology 11 with two main sections. The first section deals with Cell Biology and Biochemistry and then the course moves into various systems of Human Biology. This course will give you a detailed understanding of how our bodies work, from a cellular to systemic level.

Chemistry 11

Credits: 4

Course Code: MCH--11

Chemistry 11 provides a thorough grounding in the principles of Chemistry. Topics included are the mole, molarity, chemical reactions, stoichiometry, atomic composition, the periodic table, bonding and organic chemistry. Laboratory work is emphasized.

Chemistry 12

Credits: 4

Course Code: MCH-12

Chemistry 12 concentrates on reaction kinetics, equilibrium, solubility, acids and bases, and reduction / oxidation reactions. Chemistry 12 provides excellent preparation for studies in science at the post-secondary level.

Earth Science 11

Credits: 4

Course Code: MESC-11

This course covers a number of interesting aspects of our dynamic Earth. Areas of study include: **Geology:** volcanoes earthquakes, natural resources, fossil fuels, radiometric dating, rocks and erosion. **Astronomy:** our solar system and the life cycle of stars. **Oceanography:** seafloor structures and ocean currents. **Meteorology:** the atmosphere, clouds and storm systems (lightning, tornadoes and hurricanes). This course satisfies the Gr. 11 science grad requirement, is a natural introductory course for Geography 12 and is recognized by universities and colleges

Physics 11

Credits: 4

Course Code: MPH--11

Physics 11 is an introductory physics course offering instruction in the areas of mechanics and dynamics of motion, energy transformations and work, wave theory and sound, and DC electrical circuits. This is a challenging course requiring good math skills.

Physics 12

Credits: 4

Course Code: MPH-12

Physics 12 is a challenging course designed to prepare university-bound students for future science studies. Course content focuses on vector dynamics and mechanics, momentum, work and energy, electrostatics, magnetism and electromagnetic induction. Students should have strong math skills and a minimum of 75% in Physics 11.

SOCIAL STUDIES

**20th Century World
History 12**

Credits: 4

Course Code: MWH-12

A survey course dealing with the major issues of the 20th century. These include nationalism, imperialism, militarism, Marxism, capitalism. It includes the results of WW I, fascism, WWII, the Holocaust, the Cold War and its resolution. Beyond these, areas of study include Gandhi in India, Mao in China, the Civil Rights Movement, and Apartheid in South Africa. The course delivery includes lecture and notes, guest speakers, simulation activities, discussions, and research assignments. History 12 emphasizes political, social and military history. This is an academic course designed for students interested in pursuing a post-secondary education or who wish to know more about the influences that have shaped the world around us.

Genocide Studies 12

Credits: 4

Course Code: MGENO12-

Genocide Studies 12 may be one of the pivotal courses in your high school career. This course investigates genocides and atrocities across the globe, the roles people played in them, how we remember and memorialize them, and what we can do now. By studying human rights and genocides, you will be shocked, disturbed, saddened and most importantly, moved to action. Our classroom will be a safe place for all students to learn, teach, inquire, and question. **Given the abhorrent nature of genocide, this course will include material that may be emotionally and/or psychologically challenging for students.**

Prerequisites: It is recommended that students complete one of: World History 12, Global Studies 12, or Human Geography 12 prior to taking this course.

Human Geography 12

Credits: 4

Course Code: MHGEO12-

Human Geography covers a wide range of topics that explore our societal interactions and relationship with our physical world. The course explores many global issues, their root causes and potential solutions including topics such as food and water scarcity, climate, the health and nature of our planet. In its core, we study the physical features of our world and the natural as well as the human processes that have shaped it over time.

The blended option for this course combines in-class school instruction with one dedicated Flex day for students to work from home or come into school for small group or individual support. The course content and assignments have been designed to be accessible through the internet while instruction and guidance is provided face to face in the classroom.

Law Studies 12

Credits: 4

Course Code: MLST-12

Provides an introduction to the Canadian legal system. Topics include historical background, legal procedures, criminal law, torts, family law and contracts. Research skills and debate are major course components. Guest speakers include a lawyer, a police officer, RCMP dog handler, and youth justice supervisor. The class also visits the provincial court house.

Philosophy 12

Credits: 4

Course Code: MPHIL12

Philosophy means love of wisdom. Philosophers seek wisdom by pondering fundamental questions, such as “Who am I?” “What do I really know about the world?” “How should I behave?” The process of trying to answer the questions is more important than the answers. It involves analyzing arguments and using imagination and reason to come up with new ideas. The rewards of philosophy are great. Doing philosophy can help you think and communicate clearly and logically. It can also help you answer some of life’s most basic and important questions. Philosophers of the Western world are among the world’s most brilliant and influential thinkers and many of the fundamental ideas of Western civilization are found in the 2,500 year history of philosophy. If you want to better understand yourself and the world, take this introduction to Philosophy course.

TECHNOLOGY EDUCATION

Jewelry & Metalwork 11

Credits: 4

Course Code: MTMET11

Design and make your own creative, unique jewelry, and learn how to (safely) play with fire and build with metal! Skills include safe use of machines & hand-tools, hot and cold joining, professional lost-wax casting, and even a bit of welding and lathe-work to build projects from rings to belt buckles. Both set and self-directed projects can take you almost anywhere you’d like to go in this course! See <https://mstancon.com/> for some great examples of student work.

Jewelry & Metalwork 12

Credits: 4

Course Code: MTAMJ12

If you have taken Jewelry 11 and have shown your instructor that you can be responsible and independent in the shop, you have earned some freedom of choice! After completing an introductory project to refresh the skills you’ve learned, you will design and create self-directed projects in your field of interest. Projects must be approved by the instructor. See <https://mstancon.com/> for some great examples of student work.

Maker Space 11/12

Credits: 4

Course Code: multiple

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

Woodwork 11

Credits: 4

Course Code: MWWK-11

Are you interested in a career in woodworking or carpentry, or just hoping to develop your hands-on skills? In this course, you will design and create several skill-building projects in order to gain confidence and

independence in the shop. This is a participatory and hands-on class, and is designed to help everyone feel comfortable and safe while creating everything from furniture to art to skateboards! See <https://mstancon.com/> for some great examples of student work.

Woodwork 12

Credits: 4

Course Code: MWWK-12

If you have taken Woodwork 11 and have shown the instructor that you can be responsible and independent in the shop, you have earned some freedom of choice! Students will complete a brief introductory project to refresh the skills they have learned in previous woodwork classes, then are able to design one larger project (or several smaller ones) to complete as their major focus of the course. Projects must be approved by the instructor, and students will be expected to write their own process booklet as they complete their project(s). See <https://mstancon.com/> for some great examples of student work.

MISCELLANEOUS

All About \$ 12

Credits: 4

Course Code: YBMO-02

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

Introduction to Business**12**

Credits: 4

Course Code: YBMO-2B

Intro to Business 12 introduces students to the world of business. This course will examine topics such as Economics, Marketing, Accounting, Management, and Business planning to name a few. This is an engaging course that provides you with real world financial skills.

Psychology 11

Credits: 4

Course Code:
YPSYC1APSY

Explore what drives our personalities. Topics will include human and social development, perception, the notion of reality, family structure, the role of emotion and defense mechanisms, anger, fear, addiction, marginalization, and mental illness. Emphasis will be placed on adolescent life experiences.