



Highland Secondary School

(IK'ATSI – place up high)

IT'S YOUR FUTURE



SENIOR PROGRAMMING GUIDE 2016 – 2017

Highland's Website can be found at <http://highlandsecondary.ca>

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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 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 as well as university based scholarships. 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

48 required credits:

- Language Arts 10 (4 credits)*
- Language Arts 11 (4 credits)*
- Language Arts 12 (4 credits)*
- Social Studies 10 (4 credits)*
- Social Studies 11, Canadian Civics 11 or B.C. First Nations Studies 12 (4 credits)*
- Science 10 (4 credits)
- Science 11 or 12 (4 credits)*
- Mathematics 10 (4 credits)*
- Mathematics 11 or 12 (4 credits)*
- Physical Education 10 (4 credits)
- Fine Arts and/or Applied Skills ;10, 11 or 12 (4 credits)*
- Planning 10 or 11 (4 credits)

*One from a number of course options

Students must also:

*earn 4 Graduation transition credits, and

* complete a minimum of 28 elective credits

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.

Five Graduation Programme Exams in Grades 10 – 12 are required for graduation, including a Grade 12 Language Arts Exam.

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 as there is always a waiting list of students wanting to get an ILC block. 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.

For more information about the ILC find the link on the Highland website or just Google "aimandlearn" - <https://sites.google.com/site/aimandlearn/>



HIGHLAND SECONDARY HOCKEY ACADEMY



A challenge faced by many student athletes is the task of trying to balance multiple priorities and achieve results in BOTH academics and athletics. Sometimes results achieved in one area come at the expense of performance in other areas.

What is a Hockey Academy?

- A program specially developed to help student athletes to excel in both academics and athletics.
- Providing 2 on-ice skill development practices per week as well as 3/4 off-ice conditioning sessions per week, all during school hours
- Gives graduation credits (6) for working on your game

Highland's hockey program is a licensed Hockey Canada Skills Academy (HCSA). This means that Hockey Canada will standardize and monitor the delivery of the hockey experience by providing a curriculum guide, training videos, an instructor's professional development training seminar and consulting.

Who is it for?

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

Benefits for Student Athletes

- Increased opportunity for developing creative skills and confidence in hockey skills
- Over 45 hours of on-ice instruction, 2 slots per week, during school time
- Late bloomers, late starters, and late maturing players experience tremendous skill gains
- Each student is assessed twice in the program, comparing their skills to those of elite level players across Canada (HC standardized individual skill tests)
- Strength/conditioning training programs are developed for students
- Individual video analysis of students skating is done
- Selected guest speakers present many hockey related topics to students in seminars and classroom presentations
- Identity with a recognized program (HCSA) with proven skill results which build confidence

Course Fees: \$850.00 plus HST/ Students must fill out and return a "Highland Hockey Academy Application Package" to be considered for this course. Application packages may be picked up at the office or your house V.P.

For more information call Pati Creamer @ (W) 339-5525 (H) 339-0705

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 in 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, Planning 10. 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





Applied Technology, Design & Digital Arts

**Highland Secondary School & Navigate
Grade 10-11 Program Overview (Draft)
(2016-17)**

Why iMaker?

Today’s graduating students need a very different skill set than they did even a decade ago. The global economy is demanding a very distinct set of skills and the world of work is shifting quickly within it. There is a set of core competencies that our children need in order to thrive within this global context: 1) Critical thinking & problem solving, 2) Collaboration skills & leading by influence, 3) Agility & Adaptability, 4) Initiative & Entrepreneurialism, 5) Effective oral & written communication, 6) Accessing & analysing information, and 7) Curiosity & Imagination (Wagner, 2015). All of this begins to take shape in our children when we drive learning, not solely for the purpose of knowledge acquisition, but through the purposeful exploration of their passions and by teaching them to be self-directed, self-motivated (intrinsically and morally), organized, and confident as risk takers.

The iMaker program is designed to foster these seven skills and dispositions. In year one, the grade ten & eleven program will provide flexibility and choice in the delivery method of core academic courses (online or face-to-face), while providing students with specialized, iMaker cohort elective courses that speak to the student’s passion for information technology, programming, coding, robotics, game and digital design – their “Sparks” in life. The program provides a community of strong social-emotional support through connection with their group of peers – the iMaker students that share these passions - while also asking them to grow outward as senior secondary students integrated in the Highland school community.

What is iMaker? (2016-17)

iMaker is a district program of choice located at Highland Secondary School. It is a full time, grade 10-11 program (in year one) that provides students with a unique blended learning platform that explores their shared passion for technology, design and digital arts, in a cohort-centered model, guided by a specialist iMaker teacher. The students, parents and teacher begin each year by developing a “Personalized Education Plan” (PEP) for each student that plots the learning strategies, resources and course programming that will foster their individual achievement. During half of the timetable the students work to complete specialized iMaker elective courses as a group that emphasizes project and inquiry based learning, as well as *Independent Directed Studies* (IDS courses), which asks each student to design and explore their own specialized “spark” projects in depth. The iMaker students work the other half of the timetable within the school schedule, completing their required core academic courses in either regular face-to-face classrooms at Highland or online through Navigate - or a combination of both settings depending on the preferences of each student. Here is one version of a possible iMaker student schedule for the year:

Sample Grade 10 Student Timetable

Course	Platform	Credits for Graduation
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English 10	Online – Self Paced	4
Social Studies 10	Online – Self Paced	4
FMP or AW Math 10	Highland Classroom - Linear	4
Science 10	Highland Classroom - Linear	4
Planning 10	Online – Self Paced	4
Physical Education 10	Blended/Online Course: DPA	4
Information Tech 10	①Maker Lab Semester 1	2
Technology 10 Robotics	①Maker Lab - Linear	2
Technology 10 Draft/Design	①Maker Lab - Linear	2
IDS 10	①Maker Lab Semester 2	2 or 4
	Total	32 – 34 Credits

Planning the Future Growth of ①Maker Grade 10-12:

The first year of programming for ①Maker will involve one or two cohorts of students depending on demand (2016-17 school year). In the fall of 2017, the intention is to grow the program into a grade 10-12 platform of multiple cohorts, using a “mini school” model that is guided by a team of teachers who support both the delivery of the core academic and elective courses. This will include a rich blend of community & global mentorship, work experience and collaborative learning centred on real world problems. The ①Maker program will continue the “ENTER & E2” tradition of strong social connection and belonging, supported by a team of teachers that the students will have as advisors and mentors throughout the three graduation program years at secondary school. With the advent of the new grade 10-12 curriculum by 2017 and the new graduation program that is shortly to be announced, ①Maker students will be ideally situated to take the greatest advantage of the changes that are currently underway in transforming British Columbia’s education in the secondary years.

How Do I Register for ①Maker?

To register for the program, please go to the Navigate school website at: www.navigatenides.com, and click through to the registration page. Once there, click on the ①Maker icon and complete the online registration form as presented and submit - with the required documentation scanned and uploaded (BC Residency Documents: One of the following - Care Card/BCID/Drivers Licence).

N.B. Students who register for the program do so through Navigate (NIDES) as a district program of choice. Once accepted, students are considered Highland Secondary School students.

More Information Needed?

Contact:

1. Dean Patterson: Principal, Highland Secondary School dean.patterson@sd71.bc.ca
2. Jeff Stewart: District Principal – Distributed Learning jeff.stewart@sd71.bc.ca

CAREER EXPLORATION

Career Planning

Visit our website careers.sd71.bc.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. Highland offers the following programs to link students with the workforce.

Work Experience – 30 Hour Grad Transition Requirement

Work experience is a Ministry Graduation requirement for all students. Students access the worksite under regulated hours and conditions, and are closely supervised. While in high school, students are covered under a provincial agreement for their "WorksafeBC" in case they get injured while on the job. This 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.

To complete the required minimum 30-hour experience, a student may participate in one or more of the following venues:

- school-arranged work experience
- day shadowing (one or more short-term industry visit)
- work experience "challenge" (previous or current employment)
- volunteer work/community service

The goal of work experience is to become aware of and practice employability skills such as punctuality, communication, teamwork, positive work ethics and attitudes. Students may choose work experience to train for entry-level employment or a placement related to future career goals.

Work Experience 12A & 12B

(Open to grades 10, 11 and 12)

Long-term work experience is open to Grade 11 or 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 worksites. By doing this, skills are learned and questions answered before career decisions are made. Students choose placements according to their current interests. Students typically work during the school day or after school and

weekends (this course can be extra-sessional, which means that a student could have 9 or 10 courses listed on their timetable).

Work Experience can take place over the summer vacation for a student, and by starting with WE12A a student often turns the experience into paid employment.

Benefits of work experience are:

4-8 credits toward graduation, Pre-employment job training, learning how to run your own business,

Making valuable industry contacts, Apprenticeship opportunities, possibly leads into paid work,

pre-requisite for some post-secondary education

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

Metal Mechanical Co-op (new for 2016)

This program is intended to prepare students to go into any of the metal or transportation 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. It is open to grade 11 and 12 students.



Secondary School Apprenticeship – SSA

What is Secondary School Apprenticeship (SSA)?

Secondary School Apprenticeship 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 Apprentice: If you are presently working in a Trade related job, contact your Work Experience Coordinator to see if you qualify as an SSA. 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 Industry Training Authority web site: www.itabc.ca

ACE IT (Accelerated Credit Enrollment in Industry Training)

- ACE IT programs allow students to earn credit towards both high school graduation and trades qualifications.
 - Students in ACE IT programs will complete level 1 apprenticeship technical training in their chosen trade and gain valuable practical experience.
 - Secondary School Apprenticeship (SSA) students also qualify for the ACE IT program.
 - ACE IT programs involve course work at high school and/or college.
 - ACE IT programs cover tuition costs.
 - Students should start planning ACE IT courses by grade 11.

District Apprenticeship programs:

Automotive Service Technician (AST) – Level 1 ACE IT

The Auto Service Technician program will provide opportunity for 16 students to begin working towards rewarding careers. This program will be delivered at Highland Secondary's auto shop and is to be instructed by Mr. Tattrie.

<p>What You Need...</p> <ul style="list-style-type: none"> ➤ Mechanical Interest ➤ Desire to work in a trade involving mechanics ➤ Good attendance and a strong work ethic 	<p>What You Get...</p> <ul style="list-style-type: none"> ➤ Auto Service Technician Level 1 certification ➤ 20 Grade 12 level credits in one semester ➤ Practical “hands on” training experience ➤ Valuable Industry Experience
<p>What You Will Do...</p> <ul style="list-style-type: none"> ➤ Spend your final semester of grade 12 fully immersed in mechanics ➤ 4 days in shop and 1 day per week working at a local Auto Service Facility ➤ Master the theoretical and practical knowledge necessary to successfully write the Level 1 AST test. 	

Automotive Collision Repair (ACR) – Level 1 ACE IT



The Automotive Collision Repair program will provide the opportunity for students to begin working towards rewarding autobody careers. This program will be delivered through online instruction and work placement in the community. It will be facilitated by G.P. Vanier’s automotive instructor.

<p>What You Need...</p> <ul style="list-style-type: none"> ➤ Previous attendance in as many automotive courses as possible ➤ Desire to work in a trade involving mechanics ➤ Good attendance and a strong work ethic ➤ Good Manual dexterity and hand-eye coordination ➤ An “L: driver’s license” 	<p>What You Get...</p> <ul style="list-style-type: none"> ➤ Level 1 Automotive Collision Repair Certification ➤ Tuition savings of up to \$2,700 ➤ Up to 28 credits towards graduation and an additional 16 credits is enrolled in SSA ➤ 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 	

Carpentry – Level 1 ACE IT



The goal of the Carpentry Trade Program is to prepare graduating secondary school students to enter a career in the construction industry by developing an understanding of theoretical concepts and practical skills equivalent to a First Year Apprentice Carpenter.

If interested, please go to the work experience office and pick up a district ACE IT application to be completed and handed back in. The program starts semester 2 of your grade 12 year at North Island College.

<p>What you Need...</p> <ul style="list-style-type: none"> ➤ Enjoy working outside ➤ Desire to work in Construction Trade ➤ Good attendance and a strong work ethic ➤ Like to build structures 	<p>What You Get ...</p> <ul style="list-style-type: none"> ➤ Carpentry Level 1 certification ➤ 24 Grade 12 level credits ➤ Practical “hands on” training experience ➤ Valuable Industry Experience
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Hairdressing

This program prepares students with a strong understanding of the foundations of the Hair Dressing trade, and beyond school to the exciting world of cosmetology. The program is at Del Rio 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 or Communications 12 prior to starting the program. 	<p>What You 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 entire Grade 12 year fully immersed in Hairdressing <u>OR</u> start in February of Grade 12 and continue until October. ➤ 4 days per week, Tuesday to Friday, 8:30 am to 4:30 pm ➤ Master the theoretical and practical knowledge necessary to successfully 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, and mix 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 and one day a week classroom training.

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





ACE IT programs offered.

Auto Service Technician	Aircraft Structures
Plumbing	Carpentry
Metal Fabrication	Welding
Professional Cook	Electrical
Heavy Duty Mechanic	Hairstyling
Auto Collision Repair	

Go to the school district careers web page careers.sd71.bc.ca to learn more, and get an application from the Work Experience Office, don't delay

Dual Credit Opportunities with North Island College

English 115 and 120, Psychology 130 and 131, Business 162, Fine Arts

<p>What You Need...</p> <ul style="list-style-type: none"> ➤ Desire to explore the rigor of College level courses. ➤ Good attendance and a strong work ethic. ➤ Complete English 12 prior to second semester of your grade 12 year. 	<p>What You Get...</p> <ul style="list-style-type: none"> ➤ University Transfer course credits. These are transferable to most Universities. ➤ 4 Graduation credits per course. ➤ School district pays your tuition (\$250 per course)
<p>What You Will Do...</p> <ul style="list-style-type: none"> ➤ Spend your last semester making the transition to Post Secondary. Go to NIC at the Courtenay Campus, presently 2 afternoon courses per week. For example (Tuesday 1 – 3, and Thursday 1 – 4). Please visit the Work Experience office for more information. 	

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:

Apprenticeship and 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.

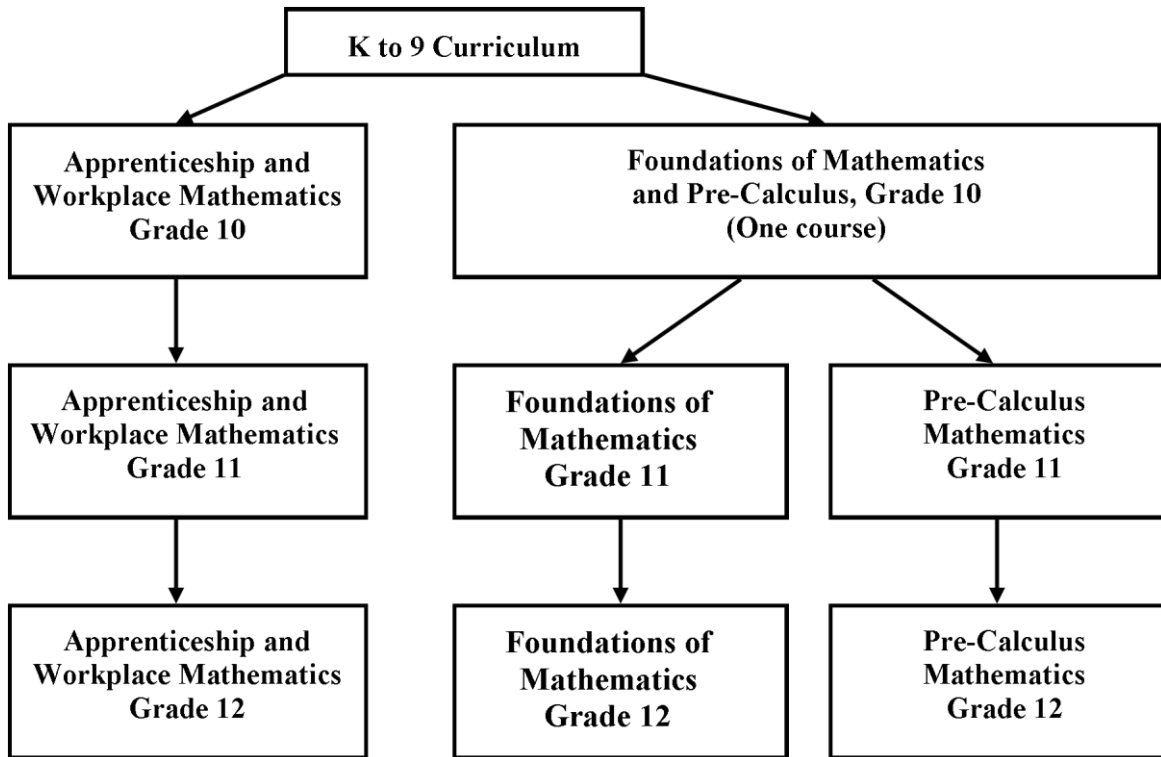
“Which Math course is best suited to my child?”

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 **Apprenticeship and 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 Apprenticeship and Workplace cannot move to the Foundations stream easily. The learning outcomes of A&W 10 are not designed to support students going into Foundations 11.**

MATHEMATICS PATHWAYS



COURSES AND PROGRAMS

ART

Art Foundations 11	Credits: 4	Course Code: MAF--11
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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 Foundations 12	Credits: 4	Course Code: MAF--12
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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.

BAND AND MUSIC

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.

Chorus 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. No solo singing is required. Students will perform in two major school concerts as well as at festivals, the spring choir trip, and the annual retreat to Camp Homewood on Quadra Island

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 jazz retreat to Camp Homewood on Quadra Island. All Jazz Band members must also be in Band 11 or 12.

DRAMA

**Theatre Performance
and Production 11/12**

Credits: 4

Course Code: MTPA-11
Course Code: MTPA-12

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.

ENGLISH

Communications 11

Credits: 4

Course Code: MCOM--11

A practical English course with special focus on report writing, oral communications, media studies and shorter literary selections. Satisfies a Language Arts 11 requirement, but is not accepted by Universities and MOST colleges.

English 11

Credits: 4

Course Code: MEN--11

English 11 is a literature-based, semester-long course, focusing on essays, short stories, novels, media and Shakespeare's Macbeth. This course is designed for college and university-bound students.

English 11 Honours

Credits: 4

Course Code: MEN--11H

English 11 Honours is designed to challenge and inspire those students who already have a strong language and literature foundation. It is a literature-based, semester-long course, focusing on essays, short stories, novels, media and Shakespeare's Macbeth. This course is designed to challenge and enrich students bound for college and university.

English 11 First Peoples

Credits: 4

Course Code: MEFP--11

English 11 First Peoples is a contemporary literature based course designed for college and university bound students. The course introduces local history, sociology, anthropology and the processes of critical literacy. Studies include novels, drama, the essay, the short story and oral language traditions.

Communications 12

Credits: 4

Course Code: MCOM--12

Focuses on practical English and deals in greater depth with the material covered in Com. 11. There is a government exam in this course. Students may graduate with Communications 12 instead of English 12, but many University/College courses require English 12.

English 12

Credits: 4

Course Code: MEN--12

English 12 is a literature-based course required for entrance into university and most college programs. The government exam is worth 40% of the course final mark. Studies include novels, drama, poetry, the essay and the short story. A 3-hour Provincial Exam is written at the completion of the course.

English 12 First Peoples

Credits: 4

Course Code: MEFP--12

English 12 First Peoples is a contemporary literature based course that serves as entrance into university and most college programs. The course introduces local history, sociology, anthropology and the processes of critical literacy. Studies include novels, drama, the essay, the short story and oral language traditions.

HOME ECONOMICS

**Food and Nutrition 11/12
Blue**

Credits: 4

Course Code: MFDN11B
Course Code: MFDN12B

Prepare for independent living by learning about all parts of a meal and how to serve it attractively. Plan and prepare meals of your choosing. There will be everything from meat, vegetables and grains to the final sweet touch at the end of a meal. FOODSAFE CERTIFICATION will be included in this course. The cost for certification is \$10.

**Food and Nutrition 11/12
Gold**

Credits: 4

Course Code: MFDN11G
Course Code: MFDN12G

This course could help you along the way towards a career in food services. We will make a variety of meals using from scratch techniques. Focus on being a smart consumer and knowing where your food comes from is explored.

Family Studies 12

Credits: 4

Course Code: MFM--12

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

Media Studies 11/12

Credits: 4

Course Code: MICTM11
Course Code: MICTM12

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

By the end of French 11, the aim is to have developed confidence and the ability to understand French and communicate in a variety of situations. You will also have met University Language requirements.

Spanish - Introduction 11 Credits: 4

Course Code: MBSP-11

By the end of the semester, you will be able to communicate in Spanish at a basic level, both verbally and in writing. You will also have learned a little about the history, geography and culture of Latin America and Spain. This course is suitable for students of all grades who have little or no prior Spanish.

MATHEMATICS**Apprenticeship and
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, Measurement, Geometry, Finance, Algebra and Graph Analysis.. Students who have taken A&W 10 should take this course in grade 11. Apprenticeship and Workplace 12 follows the next year.

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. Foundations of Math 12 follows the next year.

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.

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

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.

Foundations of Math 12

Credits: 4

Course Code: MFOM-12

Intended for students who wish to cover topics beyond the Math 11 level in the Foundations stream of Mathematics and those students who did well in Foundations of Math 11. Recommended for all students who need a grade 12 Mathematics credit for Post-Secondary studies in the Social Sciences (Geography, History, Sociology, Psychology). Topics include Financial Math, Geometry, Measurement, Relations and Functions, Statistics and Probability. Students who took Apprenticeship and Workplace Math 11 are not eligible to take this course.

Pre-Calculus Math 12

Credits: 4

Course Code: MPREC12

This course replaces 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. It would be beneficial for the student 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 11 –Basketball

Credits: 4

Course Code: YHRA-1B AL

This course is designed for the competitive basketball player. It is suited for the individual male/female, who wants to learn more about the game of basketball. 50% of the time will be spend developing basketball skills, strategy, teamwork and fitness. 50% of the time will be spent on traditional sports like volleyball, soccer, flag football, minor games and many more that meet the P.E. Integrated resource package. This course helps satisfy the Graduation Portfolio requirements set out by the Ministry of Education

Fitness 11–Volleyball

Credits: 4

Course Code: YHRA-1CFIT

Much like the Fitness Basketball class this course is designed for the competitive volleyball player. It is suited for the individual male/female who wants to learn more about the game of volleyball while improving your skills.

P.E. 11 /12

Credits: 4

Course Code: MPE--11

Course Code: MPE--12

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.

**Active Lifestyles 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.

SCIENCE

Biology 11

Credits: 4

Course Code: MBI--11

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 dissections, labs, nature walks and local plant identification. Students who will be studying Biology in college or university should take Biology 11.

Biology 12

Credits: 4

Course Code: MBI-12

This course continues from the end of Biology 11 with a major focus on human anatomy and systems. This course is required for many post secondary. Students should be prepared for continuous review of materials.

Chemistry 11

Credits: 4

Course Code: MCH--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. This is a challenging course requiring good math skills.

Chemistry 12

Credits: 4

Course Code: MCH-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

Introductory course offering instruction in the areas of mechanics and dynamics of motion, energy transformations and work, wave theory optics and theory of relativity. Foundations and Precalculus 10 of Mathematics 10 is recommended prior to starting this class.

Physics 12

Credits: 4

Course Code: MPH-12

Physics 12 is a very challenging course and is recommended a student have 75% in Physics 11 and prepares university-bound students in the following areas: Vector dynamics and mechanics, work-energy theorem, DC circuits, magnetism and electromagnetic induction.

SOCIAL STUDIES

Social Studies 11

Credits: 4

Course Code: MSS--11

Current world problems, Canadian Government and 20th century Canadian history, the environment and population geography are the main focus of study in the Social Studies 11 course. This course is mandatory for graduation. The Provincial examination, worth 20%, is written at the successful completion of all course elements.

HUMANITIES

English Literature 12

Credits: 4

Course Code: MLIT-12

Explore the social, literary, and cultural history of the English language. This course explores our earliest recorded literature, from the Anglo Saxon's Beowulf to the Post Modern Era of today. Explore Chaucer and the Middle Ages, Shakespeare and the Renaissance, the satirists in the Age of Enlightenment, the socially conscious Romantics, the imperious Victorians, and the chaotic Modern Era. These classics of literature form an excellent foundation for university preparation.

Writing 12

Credits: 4

Course Code: MWR--12

Writing 12 is an exciting course designed for all students who wish to develop their creative writing skills. Students will focus on the development of character, plot, and dialogue.

**Comparative Civilizations
12**

Credits: 4

Course Code: MCCN-12

Early civilizations, Ancient Greece and Rome, the history of Islam, Judaism and Christianity and other major world religions, the Middle Ages and the Renaissance – Reformation, China, and India. Focus on cultural, political, social and military aspects. This course provides an excellent background to understanding our world and getting a solid background in the understanding our world and getting a solid background in the Arts for College or University; it is accepted at a number of universities as an academic credit.

First Nations Studies 12

Credits: 4

Course Code: MFNS-12

Students will have opportunities to develop an understanding and appreciation for First Nations values and beliefs, along with an appreciation and respect for First Nations customs and traditions. Students will also explore First Nations Art as a total cultural expression. This course satisfies the Social Studies 11 requirement or can be used as a Grade 12 credit if Social Studies 11 is already completed.

History 12

Credits: 4

Course Code: MHI-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.

World History & Global Studies 12

Credits: 10

Course Code: YCPA-2A GS

This is a true humanities course that interlocks the elements of History 12, Comparative Civilizations 12, and Global Studies 11/12; it uses the History 12 curriculum as its core which is then enriched by examining the impact of various civilizations on the units of study, and exploring contemporary issues facing these parts of the world. For example, a study of Japan may include ancient traditions and culture, involvement in WWII, and current challenges. Learning about the Holocaust may include a study of Judaism, an exploration of the roots of anti-Semitism, and an examination of the impacts of the Holocaust in shaping geo-political issues today, particularly in the Middle East. The course delivery will include lecture and notes, guest speakers, simulation activities, class discussion and research assignments, among others. This is an ideal course for students who like to understand the "big picture". By the end of this two-semester course students will receive credit for **History 12 (4)**, **Comparative Civilizations 12 (4)**, and **Global Studies 11/12 (2)**. The course runs one block every day, all year.

TECHNOLOGY EDUCATION

Auto Technology 11

Credits: 4

Course Code: MAT--11

Do you know anyone who drives a car? Why not learn about something that is so common in all of our lives? Prevent costly repairs through proper maintenance and acquire the skills necessary to fix things yourself. Grasp this opportunity now, as so many wish they had done.

Auto Technology 12

Credits: 4

Course Code: MAT--12

Already taken Auto Technology 11? Caught the car bug? Well then, this is the course for you! There will be less time devoted to theory than in the Auto Tech. 11 course and more time devoted to practical work. As they say, we learn by doing and that is the directive of this course.

Jewelry 11/12

Credits: 4

Course Code: YPVA-1CJL
Course Code: YPVA-2C JL

Design and make your own custom jewelry. We will use a variety of materials, including silver to make unique and creative jewelry. This class is designed both for the beginner with no experience to someone that may have made some of their own jewelry or took the junior class. You will impress designs into copper, make silver rings, mount stones onto projects and explore your own creative ideas.

Woodwork-Carpentry and Joinery 11

Credits: 4

Course Code: MCJ--11

Important vocational skills will be acquired such as measurement, project planning, and cost estimating. After reviewing and building upon skills from Level One, learners will take on a more complex, small cabinet project. After the first prescribed course project is completed, learners will have the option of building a second project.

Woodwork-Carpentry and Joinery 12

Credits: 4

Course Code: MCJ--12

Students will add to knowledge and skills gained in Carpentry and Joinery 11 and will build a more sophisticated project with supplied materials. Upon completion of the initial class project and time permitting, students may choose to fabricate a second project using their own materials.

MISCELLANEOUS

Film Studies 11

Credits: 4

Course Code: YCCT-1B

Film and media play a prominent role in our experiences-personal, social and cultural. In this course we will view, discuss and think critically about a variety of film genres, including documentary, shorts, horror and comedy to better understand their influence in our lives. Students will be expected to engage on an intellectual and an emotional level with the various types of film addressed in the course. Attendance, participation, along with class work and a final research project and presentation will form the basis of a course grade. This course aims to address how our experiences are both represented in and often shaped by film.

Law 12

Credits: 4

Course Code: MLAW-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.

Leadership 11/12

Credits: 4

Course Code: YCPA-1ALD

Course Code: YCPA-2ALD

Designed to develop the skills and qualities necessary for students to become strong leaders. This course will explore the school and community to help create positive change. Activities may include preparing and running assemblies, planning special school-wide events, supporting student government and other school-based activities, arranging guest speakers and special activities with members of our community. Students who demonstrate an open mind, a positive attitude and a willingness to work with others will acquire skills essential for leadership in any organization. Help create a positive change and a positive school culture. This is a great attribute to be included in a resume or an application for post-secondary education.

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.

Planning 10

Credits: 4

Course Code: MPLAN10

The aim of Planning 10 is to enable students to become self-directed individuals who set goals and make thoughtful decisions. The course includes information about the graduation program, education and careers, healthy lifestyles and financial literacy.