



**HOPE
SECONDARY
SCHOOL**



**SCHOOL DISTRICT 78
FRASER-CASCADE**
EVERYONE PULLING TOGETHER

2022 – 2023

COURSE SELECTION HANDBOOK

The purpose of this document is:

- * to give students and parents the necessary information for proper course planning at every grade level.*
- * to share important information for our Grade 10, 11 and 12 students regarding graduation requirements.*

Should you wish to discuss any aspect of this booklet or your son's or daughter's program, please contact our counsellor:

Mr. Relland (bruce.relland@sd78.bc.ca) or call at 604-869-9971.

POINTS TO REMEMBER:

1. **COURSE CHANGES:** The general deadline for course changes is **September 16, 2022**. Course changes requested after this date must include parental permission, teacher approval and administrative approval on an 'Application for Course Change' form.
2. If you plan on post-secondary education be sure to check prerequisites. We urge you to complete more than just the minimum requirements because this may give you the edge over other applicants if enrollment is limited at the institute of your choice. Be aware that a "B" average is often the minimum requirement for most institutions due to limits on enrollment.
3. Hope Secondary School may not offer courses for all programs. You are advised to speak to the counsellors regarding distance education and other possible options.



Words of Wisdom:

It is a reasonably easy task for the majority of our students to graduate with the minimum requirements. **It is so important that every student selects a course of studies that is personally meaningful and then strives for an enviable record of achievement.** It is our wish that every graduate of Hope Secondary leaves the school with a real sense of pride in whatever he/she has accomplished.

SPECIALTY SERVICES

The following is a list of services provided to students as a support system to address special academic and personal needs.

Student Services

Mr. Relland is available to help students in the areas of academic achievement, career and social/emotional development, helping our students become productive, well-adjusted adults. They offer individual counseling to help students resolve personal or interpersonal problems. They also offer small group counseling to help students enhance listening and communication skills, learn to empathize with others and find social support through healthy peer relationships.

RRS - Resource Room Support

- a non-credit Resource Room placement for students with identified special needs as determined by Ministry criteria

The following is a list of additional services available to our students:

- * Academic Assessment
- * Distance Education
- * District Childcare Counsellor
- * Drug & Alcohol Prevention Worker
- * English Language Learner (ELL)
- * Indigenous Support Worker (FNSW)
- * Indigenous Mentor
- * Mental Health Support
- * Suicide Crisis Worker



BC GRADUATION REQUIREMENTS

The B.C. Certificate of Graduation or "Dogwood Diploma" is awarded to students who successfully complete the provincial graduation requirements. Students require a minimum of **80 credits** to graduate.

Of these **80 credits**:

- * At least **16 credits must be at the Grade 12 level**, including a required Language Arts 12
- * At least **28 credits must be elective course credits**

52 credits are required from the following:

- Career-Life Education (4 credits), and Career-Life Connections (4 credits)
- Physical and Health Education 10 (4 credits)
- Science 10 (4 credits), and a Science 11 or 12 (4 credits)
- Social Studies 10 (4 credits), and a Social Studies 11 or 12 (4 credits)
- A Math 10 (4 credits), and a Math 11 or 12 (4 credits)
- A Language Arts 10, 11 and a required 12 (12 credits total)
- An Arts Education 10, 11, or 12 and/or an Applied Design, Skills, and Technologies 10, 11, or 12 (4 credits total)

In addition, students must also complete three new graduation assessments:

- The Grade 10 Graduation Numeracy Assessment was introduced in 2018
- The Grade 10 Graduation Literacy Assessment was introduced in 2019/20
- The Grade 12 Graduation Literacy Assessment introduced in 2021/22

Note on Career Life Education: As of 2018/19, the following career education courses have been implemented in all BC schools:

- Career Life Education (CLE)
- Career Life Connections (CLC)

COURSES FOR 2022-2023 SCHOOL YEAR

APPLIED DESIGN, SKILLS AND TECHNOLOGIES

Home Economics & Culinary Arts

FDN 9 - Food Studies 9

- elective for grade 9 students

Students learn basic meal planning and preparation. They are instructed in food preparation of simple breakfasts, lunches, dinners, and snacks. Students are encouraged to develop an awareness and knowledge of nutritional needs and dietary habits, which foster good nutrition and health. Students also get a variety of opportunities to work in larger scale food preparation and get experience with some industry standard tools and techniques.

FDN 10-12 - Food Studies 10-12

- elective for grade 10-12 students

The primary focus of Food Studies 10-12 is to prepare students for work in a busy culinary environment as well as sharpening their existing kitchen skills. This is primarily a hands-on course; most classes focus on the preparation of large-scale dishes for our cafeteria and small catering opportunities while others are spent in our "test" kitchens developing recipes and expanding our understanding of how different combinations create new and exciting dishes. Students will work with basic industry tools and learn skills and techniques used in the fast-paced world of culinary arts. Interested students should be self-motivated, hard-working and willing to expand their taste horizons.

Information & Communication Technology

Media Design: Digital Storytelling

- elective for grade 10-12 students

This course offers students the opportunity to learn about different digital platforms that can be used to tell stories. The projects will range from still photography to digital artwork as well as video and audio production. This course blends creativity with technology; both are important aspects to creating interesting and personally meaningful work. Students will learn to use programs such as; Adobe Premier Pro (video), Adobe Audition (audio) and Adobe InDesign (page layout).

Media Design - Yearbook 10-12

- elective for grade 10-12 students

This course focuses on digital photography, page design, and thematic visual storytelling. The main project for this class is producing the annual HSS Yearbook. If you are excited about building one, large, collaborative project for the entire student body to enjoy, this is the choice for you. The yearbook is a form of storytelling that requires dedication, commitment to excellent and teamwork.

Please note: This course does require a commitment to some activities outside of class time.

Technology Education

Coding and Robotics 9

- elective for grade 9 students

In this course, we will be using the concept of applied design - understanding context, defining, ideating, prototyping, testing, and making - through various platforms. We'll build, code, and participate in competition with VEX robots. These robots are more sophisticated than the LEGO Mindstorms we have used in the earlier grades and are more capable in what they can do. We will be mainly coding them in Scratch but will also try out some text coding. We will work in Scratch for some animation and game development, which will build off the introduction in Grade 8 to develop more involved creations. We'll dive deeper into the capabilities of the MicroBit and use that to get an introduction to Python.

Electronics and Robotics 10

- elective for grade 10 students

In this course, we will be using the concept of applied design - understanding context, defining, ideating, prototyping, testing, and making - through robotics, 3D modelling/printing and possibly electronics. We'll build, code, come up with solutions to design challenges, and participate in competition with VEX robots. We'll review coding with block coding and move into text coding. We'll explore 3D modelling using Autodesk software and print our projects on the 3D printer. We're also exploring the possibility of introducing electronics, which could explore creating low voltage circuit board projects.

Robotics 11/12

- elective for senior students

In this course, we will focus on robotics and their design and operation. Students will work individually and in groups to create programmable robots to accomplish tasks in the classroom and the real world. Programming skills will be improved and the use of Micro-processors and motor control circuits will be utilized. Projects will be based on having the students solve problems and have their projects react and respond to various environments. In this course, we will have the opportunity build autonomous and remote-controlled robots, and other programmable circuits. Students will learn a higher level of mechanical, electrical and program coding.

Woodworking 9

- elective for grade 9 students

Woodwork 9 is an introductory course, which involves various aspects of cabinet making. The course begins with the study of the material, and then moves on to designing and constructing a project within specific guidelines. Emphasis is placed on the correct and safe operation of power equipment and hand tools. The theory portion involves safety, wood technology, basic joinery, machine shop practices, and design, but the majority of the time will be spent on "hands on" activities. Activities will include student design projects leading towards small furniture design and manufacture.

Woodworking 10

- elective for grade 10 students

Woodwork 10 serves to review, refine, and further acquired skills in Woodwork 9. Students create their learning experiences through individually designed projects. Emphasis is placed on effective wood design as it applies to traditional cabinet making techniques. The theory involves safety, machine shop practices, and design awareness assignment to a greater extent than covered in the previous course, but the majority of time will be spent on project work. Activities may include student-designed projects such as creative containers, wood turnings, and household racks leading towards a major project(s) where students may choose from a number of furniture/cabinet frameworks, which provide variety and challenge. Costs are associated with projects taken home and personal tools.

Woodworking 11/12

- elective for grade 10 students

Expands on prior knowledge and introduces advanced machine tool processes. This course will explore current and traditional woodworking in BC, including bentwood boxes to structural laminated timber innovations. Students will gain experience in forming and bending, turning, finishing and tool care and more. Students will produce one assigned project, a special challenge project and a project of their choosing. Students will need to complete a design package for their chosen project. This course is for anyone, not just students expecting to enter a trade.

Technology Education 9: Metalwork

- elective for grade 9 students

Metal Technology Education will introduce students to Metalwork through practical hands on projects. This course will focus on basic metalwork procedures using hand tools and machinery. Projects are designed to expose students to a number of different metalworking processes including sheet metal, bending, machining (cutting, drilling, turning, etc) welding, forging (blacksmith) and casting.

Metal 11/12

- elective for grade 11-12 students

This course is designed for students to learn foundational theory and basic practical skills related to machining, welding, fabrication, metallurgy, sheet metal and art metal. Areas of study will include health and safety, personal and project management, mathematical applications, tools and equipment, materials, cutting processes and forming and joining processes. Activities will include theory lessons, demonstrations and practical activities related to course content and personal project development and construction.

****Metal 9/10 would be an asset****

Automotive Technology 11/12

- elective for grade 11-12 students

Automotive is an introduction to basic vehicle mechanics. Throughout the course students will work on a range of vehicles from cars, trucks, snowmobiles, motorcycles etc. Theory work will be done in conjunction with hands-on work to build a foundation for their learning. This course will teach you the skills required for real life situations like changing a tire, doing an oil change or checking your brakes.

Skills Exploration 11/12

- elective for grade 11-12 students

This course will allow students to explore various career options in the Trades Industry. Although all Trades will be discussed/presented at some level, this course will primarily & more specifically, focus on:

1. *Carpentry, (both Practical and Theory)*
2. *Electrical(both Practical and Theory),*
3. *Plumbing(both Practical and Theory),*
4. *Mechanical Systems (both Practical and Theory),*
5. *Drafting - (both Practical and Theory).*

Additional topics include: WHMIS, Safe Work Practices (ie: WorkSafe BC), Entrepreneurship, Career Planning, Secondary Schools Apprenticeship, and Material Science.

STX is a course designed to introduce students to different Trades and provide them with a basic skill set and knowledge base. By no means is this course designed to provide students with a mastery level of knowledge and skills for any given trade. Rather, students will gain a general understanding so that they are:

- 1) better informed about specific trades and make informed decisions their post-secondary aspirations.
- 2) "Trade Ready" and not "Trade Certified"

ARTS EDUCATION

Drama

Drama 9

- elective for grade 9 students

This course aims to develop skills in teamwork, confidence building and self-expression. Students participate in drama games, character development, improvisation, thematic scenes and vocal and physical warm-ups. Evaluation is based on participation and projects.

Drama 10

- elective for grade 10 students

This course is designed to build confidence and communication skills through individual and group drama games and activities. This course will introduce the concepts of dramatic movement, speech, theatre sport, character development and scene creation.

There is an emphasis in this course on creation. Daily participation and teamwork account for half the evaluation, and projects and presentations comprise the other half. There is an expectation that commitment will be made to rehearsal and planning beyond regular class hours.

Drama 11

- elective for grade 11-12 students

This course is a continuation of Drama 10 and intends to build on skills and approaches learned in this course, though a stronger emphasis on acting, character and script development, performance and presentation. Public performance will be a requirement and there is an expectation that students are prepared for the necessary commitment level.

Drama 12

- elective for grade 11-12 students

Students continue to develop and refine the acting skills first introduced in Theatre 11. Stronger emphasis will be made on range of acting and character capabilities, and further exploration of different genres and styles of theatre. This course also introduces directing methods and techniques and students will be expected to direct each other in class presentations.

Music

Concert Band 8

Elective for Grade 8

Students will be involved in listening to, creating, and performing band repertoire as well as studying music theory and history. Students are expected to practice technique and repertoire regularly. Home practice is required. Attendance is mandatory for all rehearsals, concerts & festivals. **There is a rental fee for all instruments.** Concert tours only occur when the band has displayed musical and personal maturity

Concert Band 9

Elective for Grade 9

This class is a continuation of Band 8. Students will be involved in listening to, creating, and performing band repertoire as well as studying music theory and history. Students are expected to practice technique and repertoire regularly. Attendance is mandatory for all rehearsals, concerts, and festivals. This course holds performances frequently. **There is a rental fee for all instruments.** Concert tours only occur when the band has displayed musical and personal maturity.

Instrumental Music: Concert Band 10-12

Elective for Grade 10-12, Concert Band 9 is recommended.

Students will be involved in listening to, creating, and performing band repertoire as well as studying music theory and history. Students are expected to practice technique and repertoire regularly. Attendance is mandatory for all rehearsals, concerts, and festivals. **There is a rental fee for all instruments.** Concert tours only occur when the band has displayed musical and personal maturity.

Instrumental Music: Guitar 10-12

Students will learn basic guitar techniques of chording, strumming and finger-style then progress to more advanced levels. By end of the course, students must be able to play by ear and notation (standard & tab). Students are expected to practice technique and repertoire regularly. Attendance is mandatory for all rehearsals and concerts. **School instrument rental fees are \$20 per school year.**

Choral Music: Concert Choir 10-12

Elective for Grade 10-12

Prerequisite: Vocal experience an asset, not required.

Concert Choir 10-12 is for students who have an interest in listening, singing, and learning unison and multi-part choral music from many styles and periods of music. Students will learn skills required for singing in large and small groups. Attendance is mandatory for all rehearsals, concerts, and festivals. Home practice is required. Student's learning will be assessed through participation, class performance, concert performances and assignments.

Visual Arts

General Visual Arts 9

- elective for grade 9 students

This course is a comprehensive introduction to art making in high school. The primary function of this course is to expose students to a wide range of mediums and processes. This may include: printmaking, painting, drawing, photography, ceramics and papier-mache.

Art Studio 10-12

- elective for grade 10-12 students

Students will be exposed to a wide range of mediums and themes throughout this course. The focus will be on using a variety of processes, materials, technologies, and visual strategies to create personally meaningful 2D and 3D works of art. The emphasis will always be on the creative process not merely the technical skill development. This is a comprehensive course designed to facilitate a broad range of experiences in 2D and 3D visual arts. Drawing design, print media, painting, installation art, hand building and other alternative forms may be explored.

Studio Art 3D 10-12

- elective for grade 10-12 students

Do you enjoy building and creating art that is not just on paper or canvas but made out of clay, metal, wire, wood and papier-mâché?

Students will explore building 3D art and balance using traditional techniques (Plaster Casting, Clay, Papier-mâché, Mixed Media, Wood, Wire & Metal) and combining them in unique ways. There will be some 2D techniques explored for skill development and planning dimensional work.

Media Arts

- elective for grade 11-12 students

This course focuses on graphic design and creative digital photography techniques. Students will learn to make digital artwork and designs using programs such as; Adobe Illustrator (graphic design), Adobe Lightroom (digital photography) and Adobe Photoshop (digital art & photography).

Photography 10-12

- **elective for grade 10-12 students**

This course is for students who want to learn how to use a film camera and darkroom to make black and white photographs. It should be noted that this is an art course and students will be expected to demonstrate the ability to make meaningful connections to the images being produced. Instruction will include the technical basics of using this analog medium, but also the thematic approach to picture making. Connections to art history will be made along the way as well.

CAREER EDUCATION

Career Life Education

- **open to grade 10 & 11 students**

This replaces Planning 10 and includes:

- * a broadened focus on how to pursue life's journey in meaningful and goal-oriented ways in an ever-changing world
- * career-life development with intent in educational, work-related, and personal life contexts
- * flexibility for implementation across the secondary years. (This offering does not have an assigned grade level and can be structured as one 4-credit or two 2-credit options.)

Career-Life Connections

open to grade 11 & 12 students

This offering builds on the learning in Career-Life Education and focuses on applying career-life management knowledge, skills, and strategies to the student's own personal life journey and planning for post-graduation. This is where you will complete your portfolio / capstone project.

Work Experience 12A/B

- **elective for students 14 years & older**

Explore career paths of your choosing, through on the job experience. Use this course to help confirm your after high school plans and find employment that is best suited to you. Work Experience can be volunteer work, job shadowing and/or paid work. Students will work with their career advisor to build a resume, discuss workplace safety and find suitable placements.

Students need to accumulate a total of 100 WEX hours at one or more worksites. These hours can be done over evenings, weekends, holidays and summer break. Students must be 14 years of age to participate in this program. Learn employability skills, gain experience for your resume and accumulate references for future employment.

Students earn 4 grade 12 elective credits for completion.

Youth Work in Trades

- **elective for students 15 years & older**

Interested in one of BC's 100+ trades? Don't wait till you graduate, start your apprenticeship now. Students aged 15 or older can be working, earning a wage, accumulating apprenticeship hours, gaining school credit and landing a \$1,000 award through this program. Not sure what jobs are considered trades? Visit [FIND YOUR TRADE](#) to explore a list of trades, or book an appointment with your career advisor to discuss your options.

Students may complete their apprenticeship hours working evenings, weekends and holidays.

Students who have met all their grad requirements may even be eligible to spend a semester working. Students will work with their career advisor to cover safety, find a suitable trade, register with the ITA as an apprentice and monitor progress.

Already working in a Trade? See your career advisor to get credit for some of the work you have already done.

Students may take up to 4 courses of Youth Work in Trades, 2 grade 11 electives and 2 grade 12 electives, with each course requiring 120 apprenticeship hours.

Goals: Provide students with opportunities to integrate school-based learning with personal career goals and start on your career before your grade 12 graduation. You will develop soft-skills and hard-skills that transfer into employability skills enabling you to work effectively and collaboratively in the workplace. Earn while you learn!

TRADES ACCESS COMMON CORE – Theory

This is a DUAL CREDIT course with CAMOSUN College. This is COURSE 1 of a TWO-COURSE package that are a PREREQUISITE for the NEW SD78 PIPING TRADES FOUNDATIONS (Sept 2023).

The purpose of the Trades Access Common Core – Theory Course is to prepare students for entry into a Trade Foundations program. Students will receive an introduction to the terminology, practice, tools, materials and culture of various industries and trades. The skills and knowledge acquired in this program are transferable to most trades industries. This is an online course via the Camosun D2L learning platform utilizing resources from BC Campus Open Ed.

TRADES ACCESS COMMON CORE – PRACTICAL

This is a DUAL CREDIT course with CAMOSUN College. This is COURSE 2 of a TWO-COURSE package that are a PREREQUISITE for the NEW SD78 PIPING TRADES FOUNDATIONS (Sept 2023).

The purpose of the Trades Access Common Core – Practical Course is to prepare students for entry into a Trade Foundations program. Students will utilize the skills and knowledge previously acquired in the Trades Access Common Core – Theory course to accomplish various hands-on assignments and projects focused on hand-tools, measurements, rigging, industrial codes, regulations and codes to electrical, along with learning more about the internal workings and organizational structure of a worksite. The skills and knowledge acquired in this program are transferable to most trades industries. This is both a hands-on and online course that will be delivered within a senior ADST (shop) class, either wood or metal, and online via the Camosun D2L learning platform.

ENGLISH LANGUAGES ARTS

English 8

- required for students in grade 8

English 9

- required for students in grade 9

English 10 (4 credits needed)

- with English 9 credit

The English 10 grad requirement (4 credits needed) involves completing TWO 2-credit modules.

In SD78 (Fraser-Cascade), all grade 10 English students will be enrolled in English First Peoples Literary Studies 10 (EFP LS 10) for one of their 2-credit modules. This course involves a study of literature (novels, stories, articles, and poetry) with a focus on First Peoples content and authors.

Students must then choose **one** other 2-credit module to complete alongside the EFP LS 10 module.

Options include:

- A. New Media 10 (NM 10):** A study of literature using film studies, graphic novel content, and media literacy skills.

- B. Creative Writing 10 (CW 10):** Writing based on short story, poetry, and reflective creations, with supporting novel study "Speak" by Laurie Halse Anderson.
- C. Literary Studies 10 (LS 10):** Shakespeare's "Romeo and Juliet" and modern examples of love and the complexities of various relationships through various songs and stories.

English 11 (4 credits needed)

- with English 10 credit

The following four options are for students entering grade 11 but are open to grade 12 students who are looking for additional academic electives at the 11 level. Students need to select at least one course for their grade 11 English Language Arts credit (they need 4 credits at the grade 11 level and these are all 4-credit, full semester, courses), though they may choose to select more than one course, especially if reading and writing are an area of interest.

Classic Literature 11 (Literary Studies 11)

Classic Literature 11 allows students to delve deeply into literature. Students will explore a variety of themes, periods, authors, or areas of the world through literary works (fiction and non-fiction) in a variety of media. Students will also have a further degree of choice in major works studied and explored in deeper writing processes.

Film and Literature 11 (New Media 11)

Film and Literature 11 is a program of studies designed to reflect the increasing importance of multi-modal texts (text accompanied by visuals) in communicating and exchanging ideas. Important Hollywood films, documentary-style videos, and various other forms of media are explored alongside a selection of classic texts to develop thinking, reading, and writing skills in a manner similar to the conventional Literary Studies 11 course.

Creative Writing 11

Creative Writing 11 is designed for students who are interested in developing confidence and refining their writing skills through self-expression for various creative purposes. The course provides students with in-depth opportunities to explore personal and cultural identities, memories, and stories in a wide range of genres. Creative Writing 11 is grounded in the exploration and application of writing processes, inviting students to express themselves creatively as they reflect on, adjust, and extend their writing skills.

English First Peoples (EFP): Literature and Film 11

EFP Literature and Film 11 is designed for students who are interested in studying First Peoples literature (stories and films authored by First Peoples writers and storytellers). The First People literature will predominantly come from Canadian and American First Nations perspectives, though also texts from First Peoples of Australia, New Zealand, and Africa. Students delve deeply into First Peoples oral and written literature in a range of media to explore various themes, authors, and topics. This provides a foundation for students to think critically and creatively as they continue to explore, extend, and strengthen their own writing and communication.

English Studies 12

English Studies 12 builds on and extends students' previous English language arts learning and is designed to support students in their refinement and pursuit of mastery of written communication. It provides opportunities to:

- refine students' 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
- focus on First Peoples' literature, stories, and principles of learning
- deepen their understanding of themselves and others in a changing world

- gain insight into the diverse factors that shape identity
- planning, drafting, and editing processes
- writing for specific audiences and disciplines
- citation and evaluation of sources

Possible texts and topics include:

- focus on shorter literature and essays
- novels such as *A Monster Calls*, *Curious Incident of the Dog in the Night-Time*, *Fishtailing*, *Indian Horse*, *Five Little Indians*
- novellas and essays – *Deal of a Lifetime*, *Opposite of Loneliness*, *The Costco Essay*
- films such as *Butterfly Circus*, *Power of One*, *Stutterer*, *Finding Forrester*
- reflective writing and writing about self
- social justice and modern issues content in literature

PLEASE NOTE – students who are interested in receiving a second English Language Arts 12 credit should see Mrs. Poulin. It is possible to take English Studies 12 in both semesters and receive credit for English Studies 12 and Composition 12. (both are 4-credit, grade 12 courses) The content in each semester would be different.

LANGUAGES

FR 8 - French

- required for students in grade 8

FR 9 - French 9

- with French 8 credit

Bien Dit Level 1, chapters 6-10 is the main text. This text uses an interactive approach that balances reading, writing, speaking and listening. Students are expected to speak French in class when possible.

FR 10 – Core French 10

- with French 9 credit

Bien Dit Level 2, chapters 1-5 is the main text. This text uses an interactive approach that balances reading, writing, speaking, and listening. Students are expected to speak French in class as much as possible.

FR 11 – Core French 11

- with French 10 credit

Bien Dit Level 2, chapters 6-10 is the main text. This text uses an interactive approach that balances reading, writing, speaking and listening. More instruction is in French & students are expected to speak French as much as possible.

FR 12 – Core French 12

- with French 11 credit

This course uses an interactive approach that balances reading, writing, speaking & listening. Students are expected to speak French as much as possible.

MATHEMATICS

MA 8 - Mathematics 8

- required for students in grade 8

MA 9 - Mathematics 9

- with Math 8 credit / required for grade 9s

The first of a series of academic math courses required for admittance to many colleges and universities. Areas of study include: Number & Number Operations, Geometry, Measurement, and Algebra. A scientific calculator is required.

A Math 10 course is required for grade 10 students

FMP 10 - Foundations & Pre-Calculus Math 10

- with Math 9 credit

A more detailed and complex extension of Math 9. Areas of study include: Numbers, Exponents, measurement, trigonometry, polynomials, factoring, relations & functions, and equations & systems of linear relations.

OR Workplace Math 10

Areas of Study: Net & Gross Pay, Metric & Imperial Conversions, Statistical Averages, Charts and Trigonometry. A scientific calculator is required.

A Math 11 course is required for grade 11 students

MPREC 11 - Pre-Calculus Math 11

- with FMP10 credit

A continuum of the format developed in Math 9 & 10. Areas of study are: Sequences & series, radicals, trigonometry, factoring, quadratic/rational/absolute value/reciprocal functions and linear and quadratic systems and inequalities.

Recommended: C+ or better in Foundations & Pre-Calculus Math 10 or see your counsellor.

OR Workplace Math 11

Areas of study include: Problem Solving, Data Analysis, Trigonometry, Measurement and Income & Budgeting. A scientific calculator is required.

MPREC 12 – Pre-Calculus Math 12

- with Pre-Calculus Math 11 credit

Designed for students with above average mathematical abilities who plan post-secondary studies in fields requiring mathematics such as Accounting, Sciences or Engineering. Areas of study include: Functions & relations, transformations, exponential & logarithmic functions and their applications, polynomial functions & equations, permutations & combinations, rational & radical functions and graphs/equations/identities of trigonometric functions.

Recommended: C+ or better in Pre-Calculus Math 11 or see your counsellor.

CALC 12 - Calculus 12

- with MPREC 11 credit

Designed for students who plan post-secondary studies in fields requiring mathematics. Areas of study include: Functions & Limits, Differentiation and Its Applications, Integration, Logarithmic and Exponential Functions, Absolute and Applied Maxima and Minima.

PHYSICAL AND HEALTH EDUCATION

Grade 8 Physical Education and Health - required for grade 8 students

This course focuses on learning to make healthy choices for physical, emotional and mental well-being. Students should expect to leave this course with enhanced physical literacy, personal health, and fitness. Through regular participation in sports and activities, students will develop enhanced movement concepts, skills, and strategies. They will be assessed on participation, growth, leadership, safety, and fair play among other things. Students will develop a greater understanding of factors which influence their personal health, relationships, and lifestyle choices. Topics will include: sexual health, substance use, mental health, personal safety awareness, among others.

Grade 9 Physical Education and Health - required for grade 9 students

This course focuses on learning to make healthy choices for physical, emotional and mental well-being. Students should expect to leave this course with enhanced physical literacy, personal health, and fitness. Through regular participation in sports and activities, students will develop enhanced movement concepts, skills, and strategies. They will be assessed on participation, growth, leadership, safety, and fair play among other things. Students will develop a greater understanding of factors which influence their personal health, relationships, and lifestyle choices. Topics will include: sexual health, substance use, mental health, personal safety awareness, among others.

Grade 10 Physical Education and Health - required for grade 10 students

This course focuses on learning to make healthy choices for physical, emotional and mental well-being. Students should expect to leave this course with enhanced physical literacy, personal health, and fitness. Through regular participation in sports and activities, students will develop enhanced movement concepts, skills, and strategies. They will be assessed on participation, growth, leadership, safety, and fair play among other things. Students will develop a greater understanding of factors which influence their personal health, relationships, and lifestyle choices. Topics will include: sexual health, substance use, mental health, personal safety awareness, among others. This course builds on the junior HPE program. Students are expected to demonstrate personal reflection in the above topics, think more critically about the barriers, and strategize how to overcome them.

Active Living 11-12 (PE11/12) - elective for grade 11-12 students

This course focuses on further developing competency in sport and other physical activities, encouraging lifelong participation in student preferred physical activities. Students will continue to refine movement patterns and manipulative skills, work on injury prevention strategies and leadership skills, and further develop game strategies.

SCIENCE

SC 8 - Science 8

- required for students in grade 8

SC 9 - Science 9

- required for students in grade 9 / with grade 8 credit

PASSING SCIENCE 10 IS A GRADUATION REQUIREMENT

SC 10 - Science 10

- required for students in grade 10 / - with grade 9 credit

PASSING A SCIENCE 11 COURSE IS A GRADUATION REQUIREMENT

You must have Science 10 credit

Life Sciences 11

This is a survey course of the organization of living things. This course includes the following big ideas: Life is a result of interactions at the molecular and cellular levels, Evolution occurs at the population level, and Organisms are grouped based on common characteristics. Good organization and work habits are essential.

Chemistry 11

Addresses many topics of chemistry: the nature of matter, formulas, measurement, significant digits, chemical reactions, the mole, stoichiometry, solutions, periodic table, electron configuration, chemical bonding and organic chemistry. Chemistry 11 is a prerequisite for students planning to take Chemistry 12. The organic chemistry is useful for students taking Biology 12. Chemistry 11 is required for students planning to go into Nursing. Laboratory work comprises a significant part of the course. A scientific calculator is required. Good work habits are essential.

Physics 11

Students explore topics related to waves, optics, mechanics, energy, momentum, and special relativity. Laboratory work comprises a significant part of the course. A scientific calculator is required. Good work habits are essential.

Anatomy and Physiology 12

Life Science 11 and Chemistry 11 would be beneficial before taking this class.

In this course you will look in depth at the levels of organization of life. The following levels of life will be explored; molecular, cellular, tissue, organs, organ systems, and organism. Humans are the main organism that is studied. Good organization and work habits are essential.

Chemistry 12

- **Chemistry 11 recommended**

Covers selected topics in detail: Reaction Kinetics, Equilibrium, Solutions, Electrochemistry, and Acid-Base Chemistry. Laboratory work comprises a significant part of the course. A scientific calculator is required. Good work habits are essential. This course (often in tandem with Physics 12 and/or Biology 12) is a prerequisite for many post-secondary programs such as: chemistry, biochemistry, earth & ocean science, environmental science, pharmacy, medicine, dentistry and engineering.

Physics 12

- **Physics 11 recommended**

Expands upon topics from Physics 11, stressing 2-D problems and vector analysis. Topics include mechanics and electromagnetism. A scientific calculator is required. Good work habits are essential. This course (often in tandem with Chemistry 12 and/or Biology 12) is a prerequisite for many post-secondary programs such as: physics, engineering, computer science, earth & ocean science, astronomy, architecture and kinesiology.

SOCIAL STUDIES

SS 8 - Social Studies 8

- required for students in grade 8

SS 9 - Social Studies 9

- required for students in grade 9 / with SS 8 credit

PASSING SOCIAL STUDIES 10 IS A GRADUATION REQUIREMENT

SS 10 - Social Studies 10

- required for students in grade 10/ with SS 9 credit

Open to students in grades 11 & 12

You need to take at least one (if not more) from the following in order to graduate:

Explorations in Social Studies 11

Explorations in Social Studies 11 is a survey course, designed to provide flexibility for teachers and students while meeting provincial curricular standards. Topics are selected based on student interest, teaching expertise and course offerings for the department as a whole. Socials 11 provides students with a general overview of the various themes and skills required for upper level studies in this area. Units of study may include:

- *Contemporary Indigenous studies*
- *Political studies*
- *Genocide studies*
- *Human geography*
- *20th century history (Canada focus)*

20th Century History 12

This course features incredible, “truth is stranger than fiction” stories, larger-than-life characters and social movements that have shaped the way our present society acts and thinks. The study of history can offer valuable insights on how to understand our world and why we should strive for a peaceful, just society. This course covers some of the most influential events of the 20th century including: the Russian Revolution; the Roaring 20s'; the rise of fascism; the Great Depression; World War II; the Cold War; and social unrest during the 1960's.

Physical Geography 12

In Physical Geography 12, we examine how the earth works in the air, on the ground, under the ground, and among living things. We examine how humans adapt to and change or alter the physical environments around them. We explore how humans have special attachments and uses for particular places. We ask questions about what is going on and what it all means. What's our connection to the world around us? This is a course that helps students become more place-conscious and aware of how their surroundings were shaped and how they shape us in return. The **Big Ideas** of our course provide some focus areas and themes for our course, and help explain some of the reasons why Geography is important. We will explore landscape, climate, earth structures and environmental change through such topics as rivers, glaciers, and climate change. Hope offers excellent opportunities to get outside and see these structures and processes first hand, so there will be opportunity to participate in field research.

Big Ideas

- Incorporating data from a variety of sources allows us to better understand our globally connected world.
- Natural processes have an impact on the landscape and human settlement.
- Interactions between human activities and the atmosphere affect local and global weather and climate.

SJ 12 - Social Justice 12

Social Justice 12 promotes the pursuit of social justice and encourages students to develop the commitment and ability to work toward a more just society. The aim of SJ 12 is to raise students' awareness of social injustice, to enable them to analyze situations from a social justice perspective and to provide them with knowledge, skills and an ethical framework to advocate for a socially just world. There are no tests, but there is a journal and a final project.

Topics Include: Social Justice Beliefs & Values, Poverty & Homelessness, Racism, Gender, Mental Health, Status of Women, Genocide, Human Trafficking, Modern Day Slavery, and Globalization.

Social Justice 12 is a participatory course that requires self-analysis, social analysis, respect for diversity, a willingness to take action and a willingness to respectfully discuss controversial issues.

SPECIALTY COURSES

LEADERSHIP is offered outside the timetable at 7:30am, every Tuesday, Wednesday and Thursday. Students in grades 10-12 do receive credit for this course.

Leadership 8-12

LD8, LD 9, LD 10, LD 11 and LD 12 – LEADERSHIP

Have you ever wondered how you could make your community a better place? Do you want to be involved in planning student activities, running assemblies, selling candy grams, and thinking of crazy stuff for students to do at lunch? Would you like to learn skills that will enable you to do both and then carry those skills into your post-high school life? Well now you can do all this and more!

Students will learn skills like event planning, public speaking, advertising and marketing.

These skills will then be used both inside and outside the school – food drives, clothing drives, spirit weeks, social issues like homelessness, and environmental projects. Students in this course will make a difference!

LEADERSHIP will be taught by Mrs. Poulin and Ms. Wilkins.

[CHECK US OUT!](#)

