

F.H. Collins Secondary School
École secondaire F.H. Collins
F.H. Collins Chyah Ge'tr'oonahntan Zheh

“Home of the Warriors”



COURSE PLANNING
AND
PROGRAM DESCRIPTION HANDBOOK
2023/2024 School Year
Année scolaire 2023/2024
2023/2024 Ga'oonahntan Yeendoo Khaii

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WELCOME TO F. H. COLLINS

SOYEZ LES BIENVENUS À F. H. COLLINS

F.H. Collins Secondary School has an enrollment of 700 students. The school offers a broad range of academic applied skills, fine arts and experiential opportunities in both a French Immersion and English stream program.

Deciding what courses or academic path to take is not always easy, but these guidelines will help:

- Select courses that are mandatory for graduation.
- Ensure that the prerequisite qualifications are met for your course or program requests.
- Be careful and realistic when selecting your courses or programs. Courses with recommendation remarks are there for a good reason.
- Select options that interest you and motivate you.

Success is measured by more than academic achievement alone. Be sure to find out about the diverse extra-curricular possibilities in athletics, fine arts, and other student activities. By getting involved in every aspect of your education, these upcoming years at F.H. Collins will be the greatest in your life-so far.

STUDENT SERVICES

Students, parents, or teachers may contact counselors directly, or by appointment through the school office (667-8665).

School counsellors provide the following services:

- Assistance with program planning and course selection.
- Information on post-secondary training and scholarships.
- Information on student exchanges.
- Study skills, time management, and location of tutoring assistance.
- Personal counseling to deal with social and emotional problems.
- Liaison to special programs in the school.
- Small group counseling based on common identified needs.
- Assistance with career planning.

F.H. Collins Secondary School Website

www.fhcollins.ca

GRADUATION REQUIREMENTS



Required Courses

For the list of courses that can fulfill the Required Courses requirements in each of the following subject areas, see Chapter 1 of *Course Information for the Graduation Program* (www.bced.gov.bc/graduation/courseinfo/cid.pdf).

Subject Area	Minimum Credits
Language Arts 10	4
a Language Arts 11	4
a Language Arts 12	4
Social Studies 10	4
Social Studies 11, or a Social Studies 12	4
Science 10	4
a Science 11 or 12	4
a Mathematics 10	4
A Mathematics 11 or 12	4
Physical and Health Education 10	4
Career Life Education and Career Life Connections	8
An Arts Education 10,11 or 12 and/or An Applied Design, Skills and Technologies 10,11 or 12	4
	<hr/> 52 credits

Assessments

Grade 10 Graduation Literacy Assessment
Grade 10 Graduation Numeracy Assessment
Grade 12 Graduation Literacy Assessment

Elective Credits

Students must earn at least 28 elective credits. These credits can be for:

Additional Grade 10, 11 or 12 Ministry-Authorized courses offered at F.H. Collins
External Credentials
Board/Authority Authorized courses
Post-secondary credits
Independent Directed Studies

28 credits

Overall Total:

80 credits

Of the 80 credits needed for graduation, at least 16 credits must be at the Grade 12 level, including a Grade 12 Language Arts course, Career Life Connections and 8 other credits. These may be from Required Courses or Elective Credits (see table above for ways to earn elective credits.)

Career Life Education & Career Life Connections

Career Life Education (Gr 10) and Career Life Connections (Gr 12) courses are designed to be building blocks which will culminate into a Capstone Project which is required for Graduation. The three main aspects are;

- Personal Development
- Connections to Community
- Career Life Plan

The Career courses in grade 10 and 12 are credit courses.

FRENCH IMMERSION GRADUATION REQUIREMENTS

***Please note:** Some universities and colleges in Canada may have a second language requirement at the grade 11 level for admission requirements.

Students who are entering Grade 10 on September, 2004 and all students thereafter, will be working toward an 80 credit graduation requirement. This will involve the equivalent of 20 four-credit courses. To graduate, at least 48 credits must be from Required Courses such as Language Arts, Social Studies, and Science. As well, 28 credits must be from Elective Courses. A minimum of 16 credits must be received at the grade 12 level, including a Language Arts 12 course and Career Life Connections.

Yukon French Immersion students have to take all the French Immersion courses in grade 8 and 9 (unless they have special permission from the school administration).

To graduate with a diplôme de fin d'études secondaire en Colombie-Britannique, a student enrolled in a French Immersion Program must:

A- successfully complete the following:

- (i) Français langue seconde – immersion 10,
- (ii) Français langue seconde – immersion 11,
- (iii) Français langue seconde – immersion 12, including the Required Graduation Program Examination for this course, and

B- earn at least 12 credits in Grade 10, 11, or 12 courses that are in French with at least 4 of those credits earned in courses at the Grade 11 or 12 level.

Upon completion of the credit based graduation requirements in grade 12, a student who has met the above Immersion requirements will receive a Yukon French Immersion Certificate. As well, the student's transcript will state that the student has successfully completed the French Immersion requirements of the B.C. Ministry of Education.

C – Completion of Évaluation de littératie de la 12^e année – Français langue seconde-immersion – Completed in Grade 12

PATH TO HIGH SCHOOL GRADUATION

This framework outlines the required courses in each year.

Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
English 8	English 9	(4)English 10	(4)English 11	(4)English 12
Socials 8	Socials 9	(4)Socials 10	(4) Social Studies 11/12	(4) Career Life Connections 12
Phys. Ed. 8	Phys. Ed. 9	(4)Phys. Ed. 10	(4)a math 11	(4) _____12
Math 8	Math 9	(4)Math 10	(4)a science11	(4) _____12
Science 8	Science 9	(4)Science 10	(4)_____10/11/12	(4) _____10/11/12
Second Language 8	Language 9	(4) Career Life Ed 10	(4) _____10/11/12	(4) _____10/11/12
Options, e.g. Woodshop, Art		(4) Fine Arts or Applied Skills 10/11/12	(4) _____10/11/12	(4) _____10/11/12
	Fine Arts or Applied Skills 9	(4)Option	(4) _____10/11/12	(4) _____10/11/12
		Lit. Assessment Num Assessment		Literary 12 Assessment

Graduation Requirements for 10, 11 & 12

Students must accumulate a minimum of 80 credits at the grade 10, 11, and 12 levels. To graduate, you require a minimum of 48 credits from required courses and 28 credits from Elective Studies. A Capstone Project valued at 4 credits. A minimum of sixteen (16) credits at the grade twelve (12) level are required, including Language Arts 12 to completes graduation requirements.

Minimum of 80 credits = Required Courses *48 credits + 28 Elective courses

Credits are earned for any course passed which is numbered 10, 11 or 12

1. (4) Language Arts 10*
2. (4) Language Arts 11*
3. (4) Language Arts 12*
4. (4) Social Studies 10*
5. (4) Social Studies 11, or a Social Studies 12*
6. (4) Science 10*
7. (4) Science 11 or 12*
8. (4) Mathematics 10 equivalent*
9. (4) Mathematics 11 or 12 equivalent*
10. (4) Physical and Health Education 10*
11. (4) A Fine Arts or Applied Skills 10, 11 or 12*
12. (8) Career Life Education and Career Life Connections (Capstone Project)*
13. (4) _____12
14. (4) _____12
15. (4) _____ 10, 11 or 12
16. (4) _____ 10, 11, or 12
17. (4) _____ 10, 11, or 12
18. (4) _____ 10, 11, or 12
19. (4) _____ 10, 11, or 12
20. (0) _____ Grade 10 Graduation Numeracy Assessment
21. (0) _____ Grade 10 Graduation Literacy Assessment
22. (0) _____ Grade 12 Literacy Assessment

*Minimum Total 80 credits

*The minimum graduation requirements from high school and admission requirements for post-secondary institutions may differ. Students intent on attending post-secondary institutions should check with the school of their choice for admission requirements.

Grade 8		Grade 9		Grade 10		Grade 11		Grade 12	
Course Name	No.	Course Name	No.	Course Name	No.	Course Name	No.	Course Name	No.
English		English		English (4) Language Arts		English 11 (4)		English 12 (4)	
Mathematics		Mathematics		Mathematics (4)		a Mathematics 11 or 12 (4)		Career Life Connections 12 (4)	
Social Studies		Social Studies		Social Studies (4)		a Social Studies 11 or 12 (4)		_____12 (4)	
Science		Science		Science (4)		a Science 11 or 12 (4)		_____12 (4)	
2 nd Language		2 nd Language		Career Education 10				Grade 12 Literacy Assessment	
Physical Ed.		Physical Ed.		Physical Ed. (4)					
		Fine Arts or Applied Skills		Fine Arts (4) or					
				Applied Skills (4)					
				Grade 10 Literacy Assessment					
				Grade 10 Numeracy Assessment					

Program Planning Worksheet
Plan your present proposed program to
ensure you will satisfy your post-secondary plans.

Grade 8		Grade 9		Grade 10		Grade 11		Grade 12
Course Name	No.	Course Name	No.	Course Name	No.	Course Name	No.	Course Name
(Français langue Sciences humaines)		Français langue 9		Français langue 10 (4)		Communication Orale 11 (4)		Français langue 12 (4)
Mathématiques		Mathématiques		Mathématiques (4)		a Mathématiques 11 (4)		Career Life Connections 12 (4)
Sciences humaines		Sciences humaines		Sciences humaines (4)		Sciences humaines 11/12 (4)		_____ 12 (4)
Sciences naturelles		Sciences naturelles		Sciences naturelles (4)		a Science 11 (4)		_____ 12 (4)
English		English		Career Life Education 10 (4)		English 11 (4)		English 12 (4)
Physical Ed.		Fine Arts/Applied Skills		English (4)				
		Physical Ed.		Physical Ed. (4)				
				Fine Arts or (4) Applied Skills (4)				
				Grade 10 Numeracy Assessment				Grade 12 Literary Assessment
				Grade 10 Literacy Assessment				Grade 12 Français langue Assessment

**FRENCH IMMERSION PROGRAM
PLANNING WORKSHEET**

Plan your present proposed program to ensure you
will satisfy your post secondary.

SUPPORT PROGRAMS

LEARNING ASSISTANCE

Learning Assistance is available for students who are in need of help to succeed in their core subjects. One-on-one instruction and small groups are used to ensure success. L.A. support can include any or all of the following:

- Assistance with test preparation, completing assignments, studying for exams, organization and time management skills.
- Remedial assistance in the areas of reading, spelling, math, and study skills.
- Advocacy for students' rights to school and community resources and programs including exam adjudication when necessary.

Students may obtain this service through referral by a teacher or parent to the School Based Team. In some cases, the L.A. program would be beneficial throughout a student's path to graduation. Students receiving L.A. have a regularly scheduled block of Learning Assistance in place of another subject. (Typically an option)

F.L.E.X. (Far-Reaching Life Experiences)

The F.L.E.X. Program is for students with exceptionalities, who require unique programming designed to meet his or her individual academic and behavioral needs. It focuses on developing literacy, numeracy, social, employability and personal skills. When applicable, students are integrated into other courses within the school. Students will learn to actively participate in the community. The grad pathway will vary depending on student's abilities and may include Evergreen, Adult-Grad, or regular grad.

Curriculum emphasis:

- Improving communication skills
- Improving functional academic skills
- Teaching appropriate behavioral and social skills
- Teaching life skills and basic family life education.
- Utilizing community recreation facilities to promote physical fitness

Entry to this program is by referral through the Shared Resource Program Committee

Fundamentals Program

Fundamentals courses offers adapted, supported curriculum for students in grade 8 and 9. The goal is increasing skill development in the respective academic course areas (Math, Science, Socials and English) to bring students up to grade level and integrate into the regular stream. Enrolment is based on School-based Team recommendations.

STEP Program (Students' Transitional Educational Programs)

Students in this program have multiple and significant physical, speech, cognitive or sensory exceptionalities requiring completely individualized programming in a largely self-contained setting. Students are integrated into the social life of the school as much as possible and academic integration may or may not be part of a given individual's program depending on need. It is the philosophy of the program that parents or guardians, as the child's primary care givers, will be closely consulted in development and implementation of each student's I.E.P. Department of Education support staff are also included in this process, and are available on an ongoing, consultative basis to both staff and parents. Educational Assistants work with the guidance of the classroom teacher to assist in the implementation of program goals.

Entry to this program is by referral through the Shared Resource Program Committee

Teen Parent Program

The Teen Parent Centre is for students who require additional support in the regular school system due to pregnancy or childcare needs. Based at the supervised Centre, students can continue their education either in regular classes at F.H. Collins Secondary School or in self-directed courses such as those offered through the Yukon Education Moodle platform (an on-line distributed learning curriculum). Prenatal classes can be accessed at the Centre; parenting strategies and classes are required components of the program at the Teen Parent Centre. The Teen Parent Centre offers a daily hot lunch for students and their child; a Registered Nurse accesses additional nutritional support for students' through our C.P.N.P. program. As well, we offer First Aid/CPR-C and Driver's Education on an annual basis. * Application can be made at the Centre or as a referral through school counselors or other involved agencies. Daycare will be provided at the Centre with NO COST to the parents.

Note: An interview process is required for entrance into the program.

Check out our Website: www.teenparentcentreyukon.ca OR call 867-667-3421

Check out our Facebook page: <https://www.facebook.com/pages/Teen-Parent-Centre/162818050501222>

*Some restrictions to Driver's Education may apply

English Language Learner Program (ELL)

F.H. Collins is very proud to be the academic home for students from all over the world. For those students who are acquiring English language skills and/or adapting to Canadian school and societal expectations, a program is available to help students attain these skills. Ms. Kelly-McNally, Mr. Michael Dougherty, and Ms. Mayvelyn Yalong, through one-on-one tutoring and small group formats, make our ELL program very successful in helping students integrate into our school and reach their true academic potential.

Academic Language 10 for ELL

4 credits

is a 4-credit course offered to students who are working to improve their academic English language skills. This course continues to expand upon the skills needed to be successful in writing, speaking, listening, and reading competencies through a variety of text genres, registers, structures, forms, and styles. To build their competencies, students will experience language (listen, read, and study texts) from a variety of genres by studying the forms, styles, and models required to create original work, while also building their awareness of the socially constructed nature of language. This course includes elements of Canadian culture (cultural identity and First Peoples culture). Academic Language ELL 10 is designed for ELLs at Level 3/Developing Level to Level 4/Expanding Level on the current 5 level ELL Standards Continuum.

Transitions

The support Program is focused on helping students develop their functional literacy and numeracy skills while they work on achieving their graduation goals. This program is designed for students who are having trouble being successful in the general studies program. Students go to the support program one to two blocks a day where they can get support in a number of different ways. First students can earn credits in this program. Also, they may use this program like a traditional learning assistance block where they get support for the other academic classes they are taking. The program also helps student's stay on track to complete their graduation goals, making sure they are taking the courses they need and helping prepare them for life after high school.

Teacher's Assistant

Prerequisite: Teacher Recommendation

4 credits

This is a locally developed option. To be a teacher's assistant, the student must be a graduate of that course. This option is a very positive addition to a graduate's resume. The student becomes more self-confident and poised when interacting with their peers as he/she acquires positive functional strategies, organizational and time management skills.

THEATRE PERFORMANCE COURSES

The Drama program allows students to develop an appreciation for all aspects of theatre and helps them develop self-confidence and self-discipline. Students can participate not only in the classroom, but also in extra-curricular and community productions.

Drama 9-12: Theatre Performance (MDRM 10, MDRM 11, MDRM 12)

4 credits

No Prerequisite

Drama 9-12 will introduce students to skills needed to help develop students' powers of concentration, observation, self-discipline, communication, movement, improvisation role playing and character development. These courses will focus on producing original scripts and scenes which students will be able to perform for school and public audiences.

*Credits will be given in Drama 10-12.



STUDIO ART FOUNDATION COURSES

Visual art is a creative means of human expression, which allows students to explore their own feelings and talents. Through an educational process of trial and error in the application of style and concepts, students will learn effective problem-solving skills while learning and developing new skills and abilities. Though most materials and supplies are provided, Art students are responsible for purchasing their own basic art materials, such as a sketchbook and canvas for painting.

Art 9 (MAE 09)

Art 9 is for students wishing to continue their exploration and investigation into the visual and studio arts. Our focus in this class is to explore and express our developing identities, and start to think about how art helps us express ourselves. This course is meant to provide opportunities to gain insight into the perspectives and experiences from a variety of times, places and cultures.

Studio Art 10 (MVA 10)**4 credits**

Studio Arts 10 builds on skills acquired in Art 9, and is designed for students who feel serious about further exploring their artistic talents. There is an emphasis on the development technique through a variety of projects. Course material will consist of a variety of topics and projects, which may include drawing, painting, design, clay work, graphics, and basic art history.

Art Studio 11 (MVA 11)**4 credits**

Art 11 is a practical application in the visual expression of art. This course examines two-dimensional and three-dimensional forms such as drawing, painting, printmaking, pottery, sculpture and graphics. The course further develops students' understanding of art history as well as the elements and principles of design.

Studio Art 12 (MVA 12)**4 credits**

This advanced course is intended for highly motivated students. It builds on the knowledge and skills of previous art courses and allows the students to take special interest in one of the favored art forms. As well, this course gives each student the chance to prepare a formal portfolio for college, university, arts school or employment. A year end group art show is also coordinated by the class.

Art 2D Studio: Drawing & Painting 11 (MVADP 11)**4 credits**

This advanced course is intended for highly motivated students. It builds on their knowledge and skills of previous art courses by focusing on two-dimensional expression. The course also requires students to study various artists.

Art 2D Studio: Drawing & Painting 12 (MVADP 12)**4 credits**

This advanced course is intended for highly motivated students who are keen to concentrate on, and further develop their painting and drawing skills. This course is focused on two-dimensional expression and personal exploration through theme, and concept. The course also requires students to study various artists and art movements.

3D Studio 11 (MVASC 11)**4 credits**

Art 11 is a practical application in the visual expression of art. This course examines three-dimensional forms such as ceramics and sculpture. The course further develops students' understanding of art history as well as the elements and principles of design.

3D Studio 12 (MVASC 12)**4 credits**

Committed students have the opportunity to further explore and develop their interest in three major areas of three-dimensional art: ceramics, textiles, and sculpture. By course completion, students will have a significant portfolio.

Note: Students will supply their own materials for personal projects.

Visual Arts: Photography 10 (MVAPH 10)**4 credits**

Photography 10 is an introduction to photography course. The course will focus on the use of digital cameras, but may include other photographic technologies like film cameras. There will be an emphasis on how to use the camera, its functions, and its basic components. The course will introduce the exposure triangle concept, how to use different lenses, flash units and light meters when taking pictures. How to effectively compose an image and how to shoot in different lighting situations are also covered. An introduction to photographic editing will be take place through an overview of a digital editing program. Students will be expected to present a major presentation or project for their last project.

Visual Arts: Photography 11 (MVAPH 11)**4 credits**

The course will focus on the use of digital cameras, but may include other photographic technologies like film cameras. There will be an emphasis on how to use the camera, its functions, and its basic components. The course will introduce the exposure triangle concept, how to use different lenses, flash units and light meters when taking pictures. How to effectively compose an image and how to shoot in different lighting situations are also covered. Photographic editing will be introduced using Adobe's Photoshop editing program. Students will be expected to go into greater detail about the nature of light; specifically, using a light meter to help emphasize light and shadow. The course is aimed to further familiarize students' knowledge of lighting and compositional elements within photography. Students will be expected to present a major presentation or project for their last project.

Visual Arts: Photography 12 (MVAPH 12)**4 credits****Combined Applied Skills and Fine Arts**

This photography course will emphasize the 35 mm and digital cameras. This course will include the use of the camera, its function, and the basic components. It will emphasize how to choose film, lenses, filters, flash units and light meters. How to effectively compose an image and how to shoot in different lighting situations are also covered as well as exposure. The course also includes how to print black and white photographs. A major presentation will include studio work.

MUSIC COURSES

Secondary students are enrolled in the appropriate level of Band on the basis of previous Band or instrumental experience; students new to Whitehorse and their parent(s) should meet with the Music teacher prior to registration. It is expected that students will develop a keen interest in playing the instrument, advanced technical ability, and advanced sense of ensemble playing and a skill and appreciation which will carry on beyond Secondary School.

****Please note that all students participate in a minimum of three Concert Band performances, all the evening rehearsals and related activities. Students are to be evaluated on: intonation, phrasing, dynamics, balance, tone quality, tempo, articulation and style for all performance tests and 35% of the marks are on written/theory concepts. Furthermore, students are graded on attitude (self-improvement, commitment, confidence, performance etiquette, leadership, pride, involvement, and ability to follow instructions) attendance/ participation and home practice.**

Students are expected to provide a theory text and a method book as prescribed by the Music teacher (approx. \$20.00). Furthermore, students using Department-owned equipment (including percussionists) will be levied a \$100.00 user fee per school year to subsidize costs of scheduled maintenance as well as to offset depreciation. Parents are required to insure the Department-owned instrument against damage and theft at their own cost.

Instrumental Music Concert Band 9 (MIMCB9) / 10 (MIMCB10)

Recommended prerequisite: One year of experience

The Level II band course is an intermediate band course reinforcing and expanding on the following skills: sight reading in 4 or 5 different keys, tone production, proper breathing and posture, understanding of key signatures (both major and minor), articulation, and following the conductor through tempo and dynamic changes. A variety of scores will be taught such as transcriptions of classical orchestral compositions, arrangements of popular movie themes, marches, Christmas songs, as well as level appropriate pieces arranged specially for school bands. As new concepts come up, through the teaching of each piece, they will be explained, discussed, and reinforced throughout the year. The pace of learning is therefore dictated by the tempo of the progress of the *group* as a whole

Instrumental Music Concert Band 10 (MCB10)

4 credits

Recommended prerequisite: Band 9

This course is an intermediate band offering that requires the student demonstrate the skills studied and practiced in Level I & II. More emphasis is on the understanding of the written notation as tempos are quicker, key signatures are changed (within a piece) and technique/articulations are challenging. Most importantly, individuals are expected: to be rehearsed, to show appropriate attitude and to be willing to try new things!

Instrumental Music Jazz Band 11(MIMCB11) & 12 (MIMCB12)

4 credits

Recommended prerequisite: Recommended 70% in Band 10 OR Interview with Instructor

Daytime course

This advanced course is designed to give students a chance to demonstrate their understanding of the theory, technique and ensemble/social skills learned/practiced in Junior level courses. The emphasis is on performance outcomes, but 35% of the mark comes from the theory concepts covered. Individuals at this level are expected to increase their range, dexterity and tone/volume to enable them to play solos, lead the section and to demonstrate instrument-specific skills for the younger students. Showing leadership skills as important as a strong musical aptitude.

Instrumental Music 10-12: Rock Band (MGR 11)

4 credits

No Prerequisite

Fine Arts Option

Fee: \$20.00

This course is for any student interested in learning the guitar! You'll learn basic chords, strumming, picking and scales, practical music theory, and everything else that you'll need to belt the classics around a campfire, or to jam with a rock band! The focus will be on rock and popular music. But the fun doesn't stop there! You will also have the opportunity to explore other popular instruments including drums, bass and keyboard.

It is recommended that students come with their own guitar and tuner, though rental or purchase agreements can be made for students without an instrument.

Extended Programs & All City Band Society (ACBS)

The Music Department is devoted to improving the musical appreciation and abilities of all students. Aside from offering the courses listed below, the department also forms groups in curricular Concert Band and Stage Band. These groups practice outside of regular school hours, and are dedicated to public performances. They will receive grades at the completion of the course. Students are encouraged to commit themselves to one of these rewarding groups.

Experiential Concert Band 9 (MCB 9) / 10 (MCB 10) ACBS Jr. 4 credits (Credits earned by Grade 10 students)

This Concert Band meets every week after school to play a variety of styles from marches to movie/musical medleys. The difficulty of the music played requires the student to have solid understanding of theory, ear training, rhythm/counting, terminology, articulations and chromatic/major scales. In addition, students will be expected to demonstrate care for their instrument, good tone production, proper breathing, correct posture and advanced technique. As this is a performance course, individuals are required to attend all performances scheduled and miss no more than three (unexcused) rehearsals over the year.

*Every Wednesday PM ALL YEAR LONG.

**Experiential Instrumental Music 11: Concert Band 11 / 12 ACBS Sr. 4 credits
(IMCB 11) (level IV)**

Fee: Approx \$40.00 and \$100 per year if using Department-owned instruments

This option is for students who wish to play in the Thursday evening Concert Band and can demonstrate the learning outcomes (as outlined in the curriculum guide). Individuals need to commit additional hours during the week to theory, ear-training, individual help and technique – specific lessons. Details can be worked out with the Director, but various methods of evaluation will be used to assess the student’s ability to demonstrate his/her understanding of the concepts covered.

*Students who elect Concert Band 11 are expected to rehearse with the Senior Concert Band every Tuesday PM ALL YEAR LONG!

Instrumental Music Jazz (IMJB) 11/12 ACBS

Fee: \$100 per year if using Department-owned instruments 4 credits

This performance group will meet every Thursday 3:30 – 5:00 pm. The focus will be playing rock, jazz, Rhythm and Blues and Ballad styles with opportunities provided for individuals to solo. Interested students can use Department-owned instruments for \$100.00 per year (saxophones, trumpets or trombones). This is a top-tier ensemble and requires significant dedication to practice.

A variety of styles will be taught this year such as standard jazz, Latin numbers, rhythm and blues tunes as well as several level appropriate pieces arranged specifically for school stage bands. Members must be enrolled in a Concert Band Course simultaneously. As new concepts come up, through the learning of each piece, they will be explained, discussed, and reinforced through the year. The pace of learning is therefore dictated by the progress of the *group* as a whole.

*Every Thursday afternoon ALL YEAR LONG.

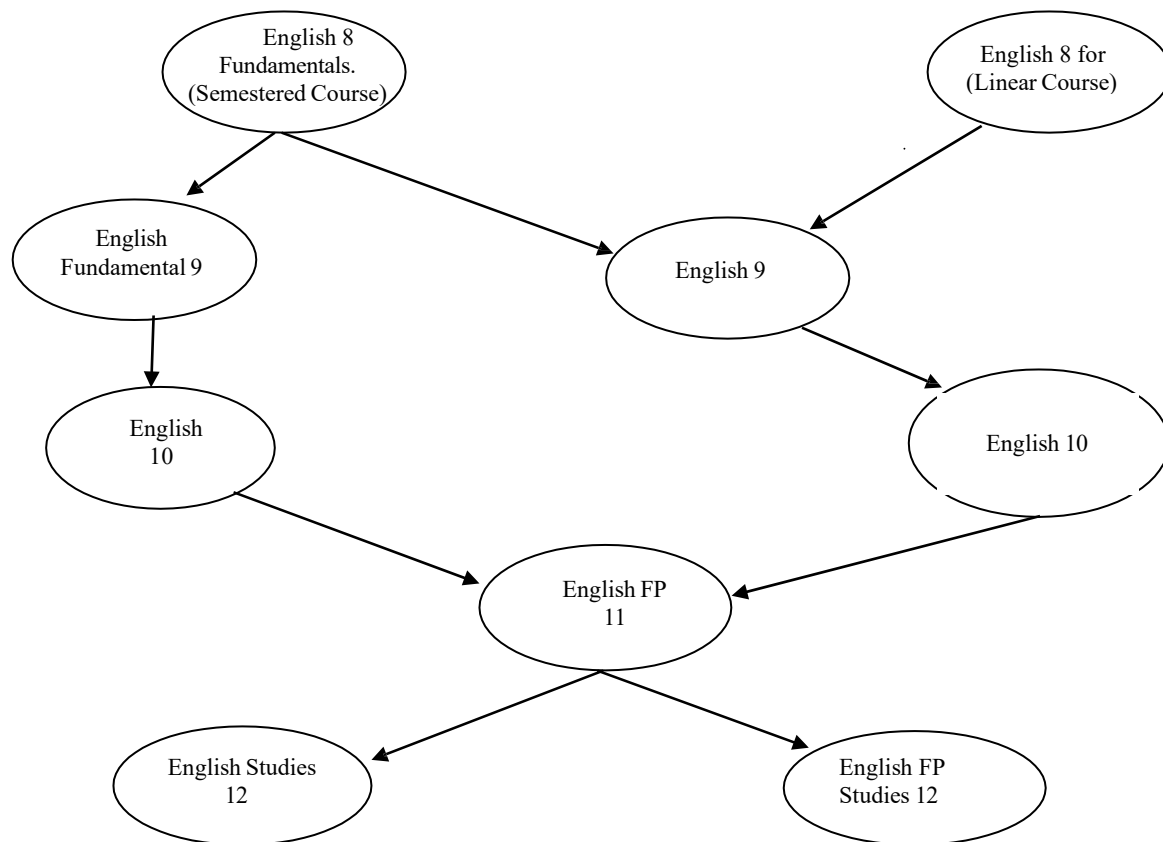
Please see or email Mr. James, alexander.james@yesnet.yk.ca, if you have any questions or require financial support options.



Summary of FH Collins Music Programs

	In-Class Band (Traditional Western Music)		In-Class Music (Popular Music)	Experiential Band (All-City Band Society)	
G.9	Junior Band	Beginner Band		Junior Concert Band (L) Wednesday evening rehearsals with students from Porter Creek Secondary Developing musicianship Increasingly challenging large ensemble music Weekly mentorship Intensive pre-rehearsal support Concerts Out-of-Territory Trip Personal and Band Fundraising	
G.10	Developing musicianship Increasingly challenging ensemble music Music theory Composition and arrangement In-school performance	Introduction to playing wind instruments for grade 9 and up Reading standard notation Large ensemble music Beginner support from All-City Band programming	Grade 10/11/12 Rock Band Introduction to playing popular music instruments (ukulele, guitar, bass, drums) Reading chords and rhythms Song-writing Basic Harmony and chord progressions Basic recording and sound technology In-school performance		
G.11	Senior Jazz Band Advanced musicianship Increasingly challenging small ensemble music Advanced music theory Advanced arrangement and composition Develop improvisation skills In-school performances			Senior Wind Ensemble (L)	Senior Jazz Ensemble (L)
G.12				Tuesday evening rehearsals with students from Porter Creek Secondary Developing musicianship Increasingly challenging large ensemble music Weekly mentorship Areas of added responsibility Concerts Out-of-Territory Trip Personal and Band Fundraising	Thursday afternoon rehearsals with students from Porter Creek Secondary Developing musicianship Increasingly challenging large ensemble music Weekly mentorship Areas of added responsibility Concerts Out-of-Territory Trip Personal and Band Fundraising Jazz Retreat Community tour Develop improvisation skills
EC			Student Association of Songwriters Song-writing strategies Workshops Peer mentorship and collaboration		

ENGLISH COURSES



The English program provides an integrated approach to skill development in reading, writing, listening, viewing and speaking. The primary goals are to help students think and communicate clearly.

English Fundamentals 9 (MEN 9G)

Prerequisite: Teacher recommendation

This course is designed for students who were enrolled in English 8 Fundamentals or experienced difficulty in English 8. Entry will be based on teacher recommendations. This course focuses upon improving literacy strategies with an emphasis on reading comprehension and writing skills. Upon successful completion of this course, students will enroll in English 10.

English 9 (MEN 9)

Prerequisite: English 8

Through the integration of reading, writing, oral communication, viewing and presenting, English 9 is designed to develop students' skills and appreciation of literature and language. The activities and resources are selected to appeal to a range of interests and abilities.

- For reading, materials offered for study include short stories, novels, poetry, drama, and non-fiction. Students will read for a variety of purposes and demonstrate interpretive understanding.
- In writing, the emphasis will be on the composition skills needed for a variety of formats. Students will write description, narration, exposition and persuasion. All stages of the writing process will be used including: pre-writing, drafting, editing, proofreading, and publishing.
- Oral communication skills will focus on developing awareness of audience, purpose and context.

English 10**4 credits****Prerequisite: English 9**

All courses, regardless of focus, are designed to support students in their development of written communication skills through a critical process of questioning, exploring, and sampling. The courses build students' writing abilities by introducing them to varied structures, forms, and styles of composition, and the processes of drafting, reflecting and revising their written work.

The English 10 credits will be earned in one of the following courses:

Creative Writing 10 (MCTWR 10) & Literary Studies 10 (MLTST 10)**4 credits**

The course allows students to delve more deeply into literature as they explore texts, both classic and contemporary, in a variety of media, while also building skills in creative expression through language. This course is intentionally grounded in the sampling of writing processes, inviting students to express themselves creatively while also working with a range of literature examples (short story, novel, poetry, non-fiction).

New Media 10 (MNMD 10) & Literary Studies 10 (MLTST 10)**4 credits**

This course allows students to explore the changing role of technology in today's society and the increasing importance of digital media in communicating and exchanging ideas. Coursework is aimed at providing students with a set of skills vital for success in an increasingly complex digital world by affording opportunities to demonstrate understanding and communicate ideas through both digital and print mediums. Literary works, including text, film, audio, and other digital content, will be used to build critical thinking and analysis skills with regard to consuming and creating media.

English First Peoples New Media (MEFNM 10) & Writing 10 (MEFWR 10)**4 credits**

This course is designed for students who are interested in exploring the increasing importance of digital media in communicating and exchanging ideas. Students will have opportunities to think about the use of new media and its effects on individuals and on First Peoples communities and cultures. Students will work individually and collaboratively to develop skills needed in an increasingly complex digital world as they demonstrate understanding and communicate ideas through a variety of digital and print media. Students will also build writing skills through the exploration of personal and cultural identities, memories, stories, and connections to land/place and create coherent, purposeful, and engaging compositions.

English 11 First Peoples**4 credits**

The English 11 credits will be earned in one of the following courses:

EFP Literary Studies + New Media 11 (MELNM 10)**4 credits****Prerequisite: English 10**

EFP Literary Studies + New Media 11 is designed for students who are interested in studying First Peoples literature and examining the evolving role of technology in today's society, especially the increasing importance of digital media in communicating and exchanging ideas and engaging in social advocacy. 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. Students examine the increasingly complex digital world and have opportunities to demonstrate understanding and communicate sophisticated ideas through a wide variety of digital and print media.

EFP Literary Studies + Writing 11 (MEFLS 11)**4 credits****Prerequisite: English 10**

EFP Literary Studies + Writing 11 is designed for students who are interested in studying First Peoples literature and using writing for self-expression and communication in a variety of contexts. 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 them to think critically and creatively as they continue to explore, extend, and strengthen their own writing. Within a supportive community, students work individually and collaboratively to explore oral and written literature and create powerful, purposeful compositions.

English Studies 12 (MENST 12)**4 credits****Prerequisite: English 11**

The required English Studies 12 course builds on and extends students' previous learning experiences in ELA and EFP 10 and 11 courses. It is designed for all students and provides them with opportunities to: refine their ability to communicate effectively in a variety of contexts; think critically and creatively about the uses of language explore texts from a variety of sources, in multiple modes, and that reflect diverse worldviews; deepen their understanding of themselves and others in a changing world; gain insight into the diverse factors that shape identity; appreciate the importance of self-representation through text; contribute to Reconciliation by building greater understanding of the knowledge and perspectives of First Peoples; and expand their understanding of what it means to be educated Canadian and global citizens.

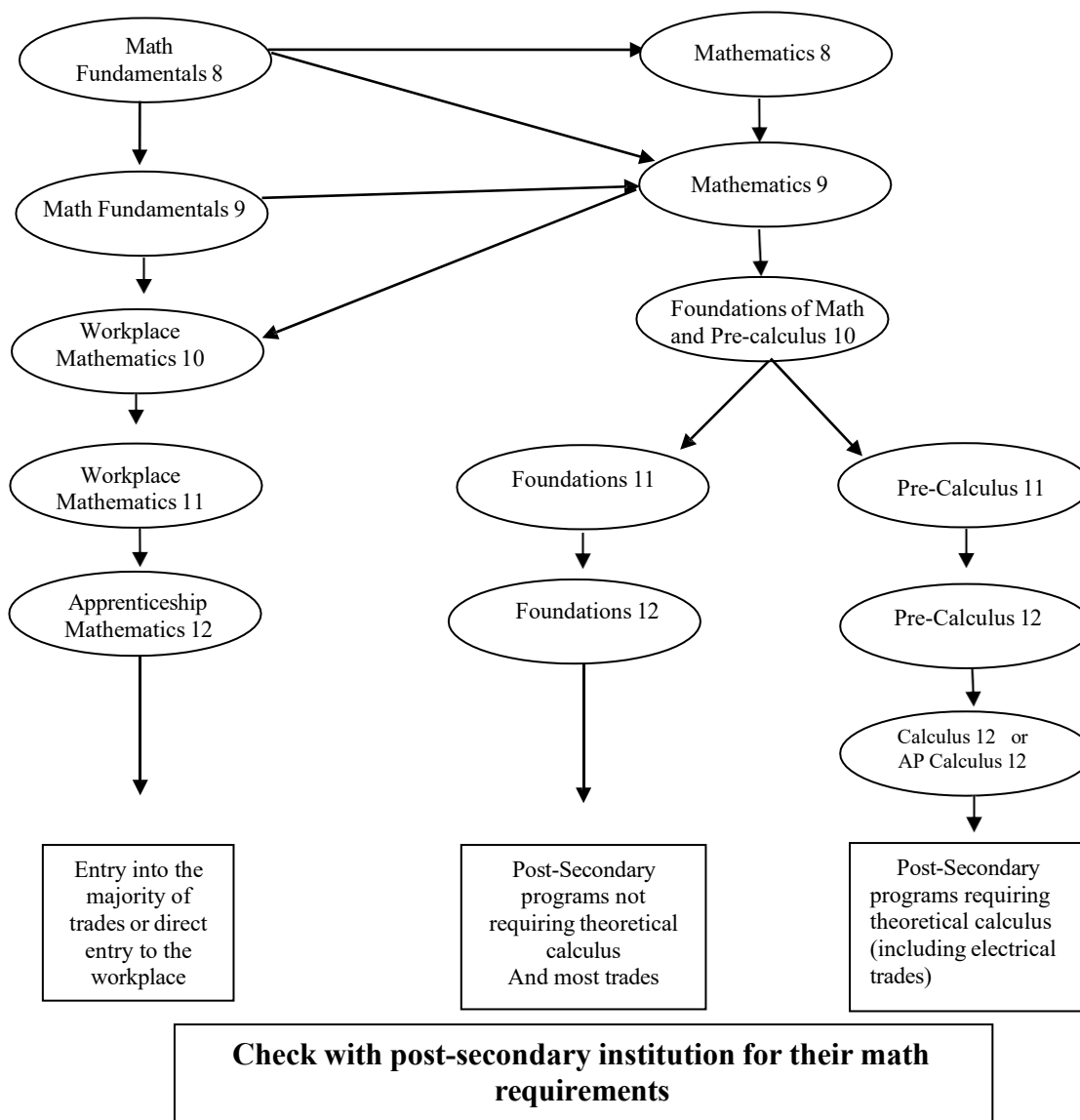
Prerequisite: English 11

EFP 12 builds upon and extends students' previous learning experiences in ELA and EFP 10 and 11 courses. The course is grounded in the First Peoples Principles of Learning. It is designed for all students, Aboriginal and non-Aboriginal, who are interested in delving deeply into First Peoples oral and written literature and visual texts in a range of media. The course focuses on the experiences, values, beliefs, and lived realities of First Peoples as evidenced in various forms of text, including oral story, poetry, song, performance, film, and prose. A key feature of the course is its focus on authentic First Peoples voices (i.e., historical or contemporary texts created by or with First Peoples).



MATHEMATICS COURSES

For Students Graduating in 2013 and later



Mathematics 9 (MMA 9)**Prerequisite: Math 8**

This course continues to refine the concepts learned in grade 8. It explores the Real number system, algebra, graphing, geometry and data analysis. This is a general course that meets the needs of most high school students and prepares them for entry either into Workplace and Apprenticeship 10 or Foundations/Pre-Calculus 10.

Mathematics Fundamentals 9 (MMA 9)**Prerequisite: Math Fundamentals 8 or teacher recommendation**

Fundamentals of Mathematics 9 students will be required to add, subtract, multiply, and divide fractions, integers, and whole numbers. Scientific notation will be used to work with very small numbers and very large numbers. Ratio and proportion will be utilized to solve problems. Students will study the angles in triangles and four-sided shapes. The Pythagorean relationship ($a^2+b^2=c^2$) will be used to solve problems. Area, perimeter, and volume formulas will be used to solve problems. Various types of graphs will be used to display information. The information obtained from the graphs will be analyzed. Finally, the students will use linear equations to solve problems and check to ensure that their answers make sense.

Workplace Mathematics 10 (MWPM 10)**4 credits****Prerequisite: Math 9**

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into the majority of trades and for direct entry into the work force.

Foundation of Mathematics and Pre-Calculus 10 (MFMP 10)**4 credits****Prerequisite: Math 9**

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies. This course leads to either Foundations of Mathematics 11 or Pre-Calculus 11.

Linear Mathematics and Pre-Calculus 10 /A & B (XAT Math 10A, 10B)**8 credits****Prerequisite: Math 9 & Recommendation from teacher**

This course is the first part of the regular Foundations of Mathematics and Pre-Calculus 10. The course is designed to move at a slower pace and therefore reinforce necessary prerequisite skills required for success in this and subsequent courses. Components of the Workplace 10 course will be introduced and the student can receive credit for both courses upon successful completion of Part A and B. This course leads to either Foundations of Mathematics 11 or Pre-Calculus 11.

Prerequisite: Math 9; recommended for students who were Emerging or Developing in Math 9.

Students must complete Part A and B by the 2023/2024 school year. Students may receive a maximum of 8 credits for successfully completing part A and B.

Foundations of Mathematics 11 (MFMP 11)**4 credit****Prerequisite: Math 10 Foundations**

This course is strongly recommended for students who are planning in pursuing post-secondary studies in the arts or social studies. Topics studied may include logic and reasoning, functions, geometry, and statistics. Students who successfully master the learning outcomes of this course may continue on to Foundations of Mathematics 12. This course satisfies the Ministry of Education's mathematics graduation requirements. Students who are planning in pursuing post-secondary studies in math or sciences should take Pre-calculus 11.

Pre-Calculus 11 (MPREC 11)**4 credits****Pre-requisite 50% however a final grade of 65% or higher in Foundations and Pre-Calculus 10 is recommended. Students with less than 65% should enroll in Foundations of Math 11 prior to taking Pre-Calculus 11.**

This course is strongly recommended for students who are planning in pursuing post-secondary studies in math, sciences or economics. Topics covered may include relations and functions, trigonometry, polynomial functions, and graphing. Students who successfully master the learning outcomes of this course may continue on to Pre-calculus 12. This course satisfies the Ministry of Education's mathematics graduation requirements.

STEM 11 (Semester 2)**8 credits**

In an attempt to address the need for cross-curricular thinking strategies, Pre-calculus 11 and Physics 11 are interwoven in this course. STEM 11 will cover the entire curriculum of both courses while emphasizing the content areas where overlap occurs. The mathematical concepts of quadratic equations and trigonometry are extensively utilized in Physics 11, therefore, connecting these courses allows plenty of room to build inquiry and critical thinking skills. With a double-period, the intention is that larger scale labs and activities can occur and more time can be spent exploring concepts in an outdoor setting where applicable.

Workplace Mathematics 11 (MWPM 11)**4 credits**

Prerequisites: successful completion of Workplace Mathematics 10 or permission from the instructor. This course is strongly recommended for students who are planning on entering the workforce directly after high school, or who are planning on pursuing a career in the trades industries. Topics covered may include reasoning, rates of change, measurement, and statistics. Students who successfully master the learning outcomes of this course may continue on to Apprenticeship and Workplace Mathematics 12. This course satisfies the Ministry of Education's mathematics graduation requirements.

Apprenticeship Mathematics 12 (MAPPR 12)**4 credits**

Prerequisites: successful completion of Workplace Mathematics 11 or permission from the instructor. This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into the majority of trades and for direct entry into the work force. Topics include algebra, geometry, measurement, number, statistics and probability.

Foundations of Mathematics 12 (MFMP12)**4 credits**

Prerequisite: 50% in Foundations of Mathematics 11; however, a final grade of 60% or higher is strongly recommended. 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 career. Topics include financial mathematics, geometry, measurement, number, logical reasoning, relations and functions, statistics and probability.

Pre-Calculus 12 (MPREC 12)**4 credits**

Prerequisite: 50% in Pre-Calculus 11; however, a final grade of 60% or higher is strongly recommended.

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that require the study of theoretical calculus. Topics include algebra and number, measurement, relations and functions, trigonometry, and permutations, combinations and binomial theorem.

Calculus 12 AP (ACAL 12)**4 credits**

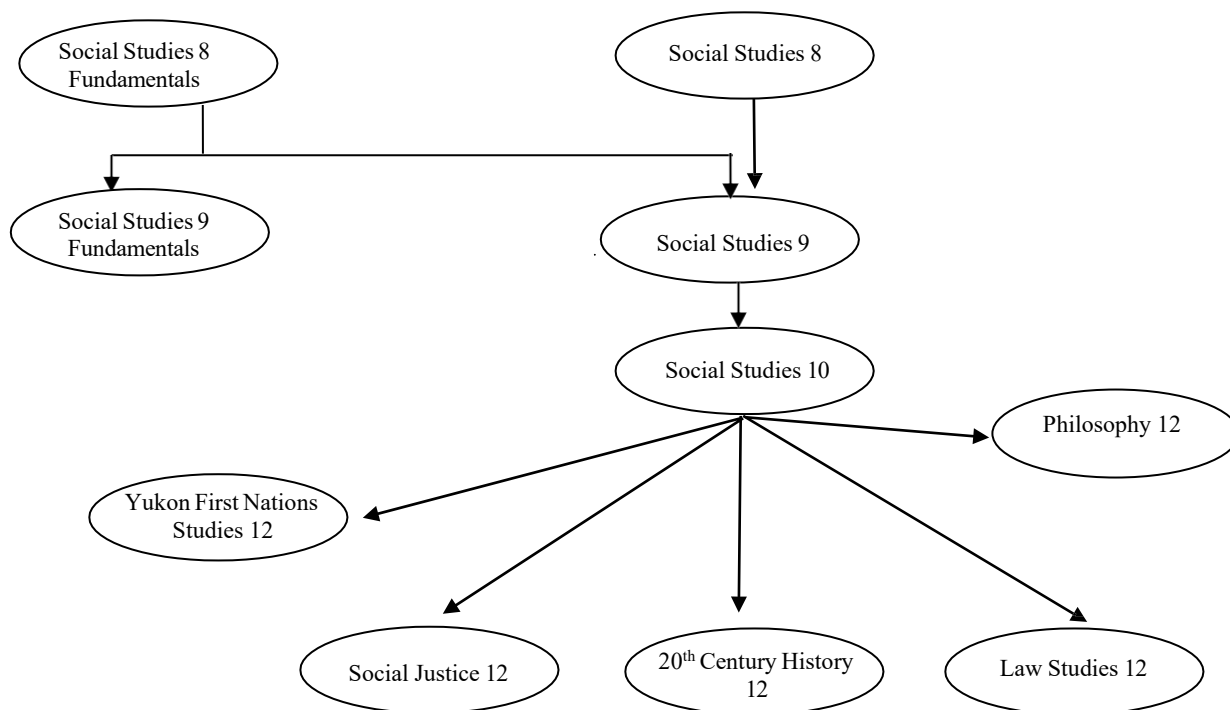
Prerequisite: Pre-Calculus 12

This course is offered if there is sufficient demand.

Calculus 12 is an Advanced Placement course designed to help prepare students for post-secondary mathematics courses. The major topics are functions, limits & continuity, derivatives and antiderivatives of functions & their applications.

What are the advantages of taking AP Calculus? This rigorous program helps you get a head start on college and university level work, demonstrates your commitment to academic challenge and excellence, and helps you develop the study habits necessary for tackling rigorous course work. Please see your counsellor for more details.

SOCIAL STUDIES PROGRAM



The Social Studies program provides students with an understanding of how history, geography and other social sciences affect the Canadian and global community. The program emphasizes student development of effective citizenship, critical thinking and social responsibility.

Social Studies 9 (MSS 9)

Prerequisite: SS 8

Students develop historical thinking skills while examining world history from 1750 to 1914 CE, with a special focus on North American Topics including colonization and its impacts on indigenous peoples, the European Enlightenment and its revolutions, the Industrial Revolution and Canadian Confederation.

Social Studies Fundamentals 9 (MSS 9 FUN)

Prerequisite: Teacher recommendation

This course will cover basic geographic skills, and the geography of the Yukon, Canada and the world. It will explore the similarities and differences across cultures through the study of First Nations in Canada and life in Upper Canada and New France.

Social Studies 10 (MSS 10)

4 credits

Prerequisite: SS 9

Students develop historical thinking skills while examining Canadian politics and history from 1914 CE to the present. Topics include the World Wars, discriminatory government policies in Canada including the residential school system, the development of Canadian identities, and the Canadian political system. After Social Studies 10, students enroll in one of the Grade 12 options to complete the Social Studies graduation requirements.

Yukon First Nations Studies 12 (MFNSY 12)

4 credits

Prerequisite: SS10

Students learn about the Indigenous cultural, political and social heritage of the land on which they live. Throughout the course, the students develop their writing and speaking skills through assignments and seminars. Numerous guest visits and field trips provide a variety of Yukon First Nations perspectives.

Yukon First Nations Studies is one of the courses available for students to complete the Social Studies graduation requirement.

20th Century World History 12 (MWH 12)**4 credits****Prerequisite: SS10**

Students develop historical thinking skills while examining world history from 1919 to 1991 CE. Topics include major global conflicts such as World War Two and the Cold War; the rise and rule of authoritarian regimes such as Nazi Germany, the Soviet Union and Mao's China; decolonization in Africa and Asia; and the 21st-century legacies of 20th century conflicts.

20th Century World History is one of the courses available for students to complete the Social Studies graduation requirement.

Law Studies 12 (MLST 12)**4 credits****Prerequisite: SS 10**

Law 12 covers the Canadian legal system, its evolution, branches and procedures. It develops an understanding of the role played by our legal system in preserving civil rights and social order, and facilitating social reform. Students will also find the course a useful background for legal situations that can arise in business and personal life. Units of study include the following: Origins of Law, Civil Liberties, Law of Torts, Criminal Law, Law of Contracts and Family Law. The considerable course readings are supplemented with in-class mock trials and field trips (e.g. the Law Courts).

Law 12 is one of the courses available for students to complete the Social Studies graduation requirement.

Social Justice 12 (MSJ 12)**4 credits****Prerequisite: SS10**

"You Must Be the Change You Wish to See in The World".

Mahatma Gandhi

This is an exciting course that focuses on a wide variety of social justice issues and social responsibility. Students develop an awareness of social justice issues from various perspectives and then examine these issues to gain a deeper understanding. Finally, students pick specific issues to focus on and develop their own personal action plans for making change in an area they feel passionate about. Some issues that we may explore are race, poverty, LGBTQ rights, status of women, environmental and ecological justice and peace and globalization. Social Justice 12 is an excellent opportunity for students to become agents of change regarding relevant social justice issues that affect their lives and communities.

Social Justice 12 is one of the courses available for students to complete the Social Studies graduation requirement.

Philosophy 12 (MPHIL 12)**4 credits**

What is the meaning of life? Do the needs of the many outweigh the needs of the one, or the few? Who are you and what do you really believe?

Take Philosophy 12 and find the answers to these and many other questions as you learn what some great thinkers have had to say about them, and as you discuss (argue?) them with your classmates and teacher.

The BC curriculum says Philosophy 12:

- Is a discipline that examines the fundamental nature of knowledge, reality, and existence.
- Provides tools for investigating meaning and fostering understanding of different ways of thinking.
- Allows people to question their assumptions and better understand their own beliefs.
- Often examines issues with no definitive answers, but teaches that logic and reasoned arguments can show which answers have more or less value.
- Is a Social Studies credit course.
-

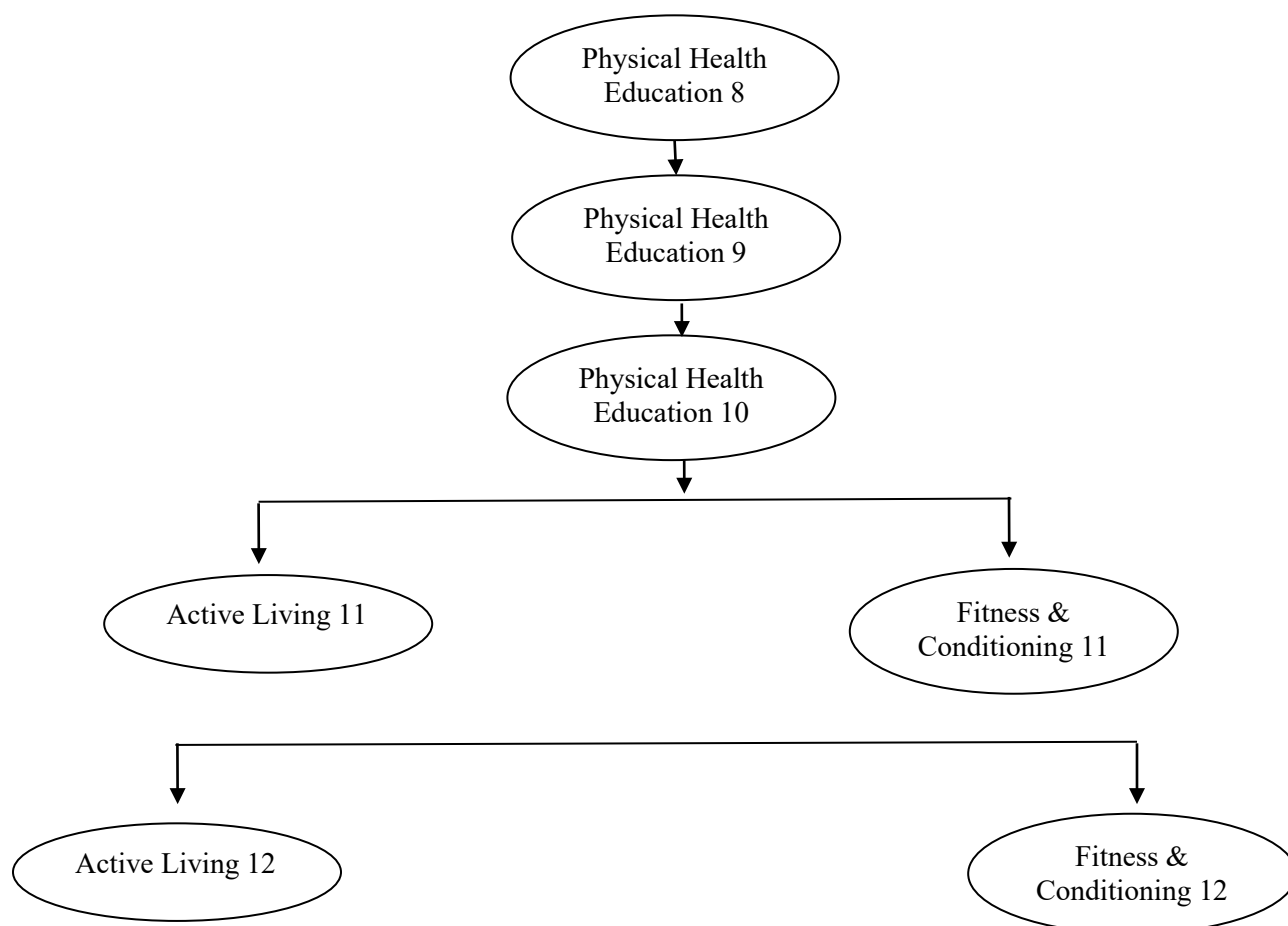
Bertrand Russell (famous philosophy dude) says: "science is what you know. Philosophy is what you don't know."

William James (another famous philosophy dude) says: "There is only one thing a philosopher can be relied upon to do, and that is to contradict other philosophers."

Mr. Dent (an almost-famous philosophy dude) says: "Philosophy 12 is experiential learning without having to deal with cold weather, bears, or bugs."

Philosophy 12 is one of the courses available for students to complete the Social Studies graduation requirement.

PHYSICAL AND HEALTH EDUCATION



Physical Education provides an opportunity for students to improve physical fitness and develop creative, social and leadership skills in a safe and fun environment.

Physical & Health Education 9 (MPHE 9)

Recommended prerequisite: PE 8

PHE 9 provides greater understanding for students regarding physical activity as lifelong activity. Students will be taking part in invasion games, net/wall games, striking/fielding games, target games, body management activities, and outdoor activities. Students must complete an active living calendar each month where they track the amount of physical activity performed outside of class and students will complete various health lessons throughout the semester.

Fitness 9 (MPHE 09 ACT)

This grade 9 elective introduces fitness training with a focus on weight training. This class is not designed for advanced students; it is geared toward teaching basic lifts to students who aren't familiar with weight training. Fitness 9 is designed to enhance the student's knowledge and skills regarding the basic techniques of weight training using free weights and machines. This class includes instruction and practice in safety techniques, weight room etiquette, basic weight training exercises, and basic anatomy.

Physical Education 10 (MPHED 10)**4 credits****Recommended prerequisite: PE 9****Fee: \$10.00 (This fee enables us to access community facilities outside of the school system.)**

This course will be offered as a co-educational program. This program enables all learners to enhance their quality of life through active living, the exposure to a variety of activities, and the development of skills and attitudes. The emphasis for these classes will be on creating active healthy lifestyles. Activities are chosen from a variety of areas: team games, cooperative games, individual and dual activities, aquatics, skiing and fitness. We will emphasize personal fitness, personal responsibility, and fair play strategies. Students will acquire skills through a variety of developmentally appropriate movement activities. Students will also understand experience and appreciate the health benefits that result from physical activity. Students will interact positively with others and will assume personal responsibility to lead an active way of life. New to this program will be a focus on Social and Community Health and Mental well-being. This course is required for graduation.

Active Living 11 (MACLV 11)**4 credits****Recommended prerequisite: PE10****Active Living 12 (MACLV 12)****4 credits****Recommended prerequisite: PE11**

This four credit course meets the Applied Skills requirements. PE 11 and PE 12 is offered as an option for students and is a co-educational program with emphasis on skill learning techniques in a variety of performance and leisure oriented activities. This program enables all learners to enhance their quality of life through active living, the exposure to a wide variety and choice of activities, and the development of skills and attitudes. Personal fitness will be emphasized throughout the course. Students will have to design and implement a weight training program. The course will be offered as a modular program which provides the student with the opportunity to make choices regarding his/her own education, to develop leadership skills and to be accountable for their own learning. Leadership skills will be developed by student presentations and all students will be requested to teach one class. All students are required to do **15 hours** of community volunteer work.

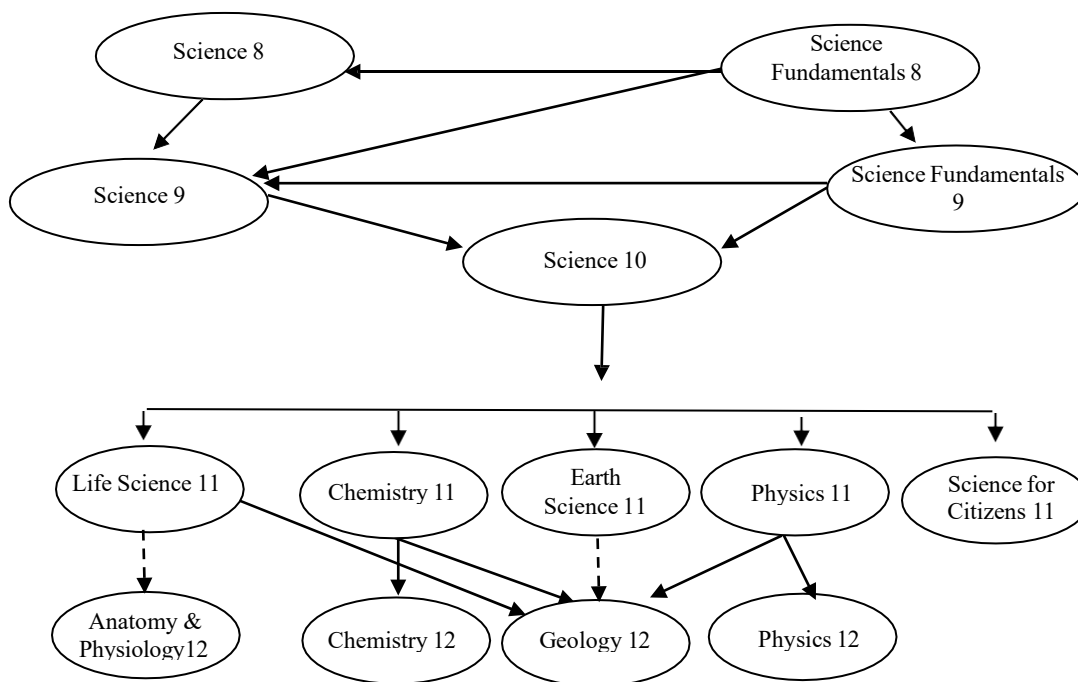
There will be a physical education fee and it will be established at the beginning of the class.

Fitness & Conditioning 11 (MFTCD 11)**4 credits****Recommended prerequisite: PE10****Fitness & Conditioning 12 (MFTCD 12)****4 credits****Recommended prerequisite: PE11**

Personal Fitness and Lifestyles 11 and 12 are designed for students who wish to challenge themselves athletically. Students will work on developing core strength, flexibility, cardiovascular fitness, agility, speed, power and muscular strength. Through participation in this course students will learn to develop and evaluate physical fitness programs. A traditional team sports component will complement the fitness component.



SCIENCE PROGRAMS



The Science program at F. H. Collins investigates not only the natural world (Science), but also the man-made products and processes (Technology) on which our society depends. Through these investigations, all courses strive to develop the following competencies in students: Questioning and Predicting, Planning and Conducting, Processing and Analyzing Data, Evaluating, Applying and Innovating, Communicating.

Science 9 (MSC 9)

Prerequisite: SC 8

The Science 9 course is a continuation of the Science 8 program, further developing skills, practices and knowledge from that course. Topics include: Life Science (reproduction); Physical Science (electricity, periodic table, elements, compounds, reactions); Earth Science (matter and energy cycles within biotic and abiotic systems).

Science Fundamentals 9 (MSC 9 FUN)

Prerequisite: less than 50% in SC 8 or teacher recommendation

This course offers those students requiring support in science, the opportunity to upgrade their skills to the high school level. Select topics are covered from each of the fields of Biology, Chemistry, Physics and Earth Science. The next step for the student would be Science 10.

Science 10 (MSC 10)

4 credits

Prerequisite: SC 9

The Science 10 course is a continuation and conclusion of the general study of science from grades eight and nine. Topics include: Biology (genetics, evolution), Chemistry (formulae for compounds, chemical reactions), Physics (energy), and Earth Science (changes in the universe, collecting astronomical data).

Life Sciences 11 (MLFSC 11)

4 credits

Prerequisite: SC 10

This course examines the spectrum of life forms on earth. Through microscopy, dissections and direct observation, students examine typical members of the major animal, plant and microbe phyla; the grouping of organisms based on common characteristics is considered; and the evolution of complex life forms is studied through an examination of simple life forms and the increasing requirements of new environments.

Chemistry 11 (MCH 11)**4 credits****Prerequisite: SC 10**

This is an introductory course in the study of Chemistry. Major topics include; theory of matter, the mole, mass and energy conservation in chemical reactions, calculations involving reactions (stoichiometry), solubility, and organic chemistry. This is a lab course with emphasis on sound lab techniques that lead to accurate conclusions

Earth Science 11 (MESC 11)**4 credits****Prerequisite: SC10**

When we study the Earth, we study not only the solid earth, but also its oceans, its atmosphere, and the universe of which it is a part. Thus, students will study earth resources and the environmental and economic implications of their use, energy transfer through the atmosphere, water distribution and influences, interaction of the Earth and its solar system. Although Earth Science is not a prerequisite for Geography 12 or Geology 12, it will give students a solid background with which to enter these programs.

Physics 11 (MPH 11)**4 credits****Prerequisite: SC 10**

Physics 11 is an introductory course that focuses on the principles and theories of physics, encourages investigation of physical relationships, and illustrates the relationship between theory and application. The following topics will be studied: wave motion as a transfer of energy, kinematics in two dimensions, dynamics in two dimensions, energy, simple machines, and electric circuits.

Science for Citizens 11 (MSCCT 11)**4 credits****Prerequisite: SC 10**

The course is designed for students with a wide range of abilities and deals with issues of Science and Technology as they relate to our society. This includes but is not limited to ways in which scientific processes and knowledge: influence our daily lives, impact our places of employment, enable us to adapt to changes both locally and globally

STEM 11 (Semester 2)**8 credits**

In an attempt to address the need for cross-curricular thinking strategies, Pre-calculus 11 and Physics 11 are interwoven in this course. STEM 11 will cover the entire curriculum of both courses while emphasizing the content areas where overlap occurs. The mathematical concepts of quadratic equations and trigonometry are extensively utilized in Physics 11, therefore, connecting these courses allows plenty of room to build inquiry and critical thinking skills. With a double-period, the intention is that larger scale labs and activities can occur and more time can be spent exploring concepts in an outdoor setting where applicable

Anatomy and Physiology 12 (MATPH 12)**4 credits****Recommended Prerequisite: Life Sciences 11**

This study of human anatomy and physiology focuses on the major human organ systems and their interrelationships in maintaining homeostasis. A detailed study of the structures of a system is followed by an examination of how it functions to maintain the body's health. Labs focus on factors affecting the circulatory, digestive and excretory systems. Dissections of various animal organs and of a complete vertebrate are used as analogies for their human counter parts. The pace and scope of the Anatomy & Physiology 12 course is significantly more challenging than in its prerequisite course (Life Sciences 11).

Chemistry 12 (MCH 12)**4 credits****Prerequisite: Chemistry 11**

This course covers a small number of chemistry topics in considerable detail with emphasis on both theory and laboratory exercises. Topics include: rates of reaction, equilibrium, solubility, acid base chemistry and oxidation-reduction reactions. The pace and scope of the Chemistry 12 course is significantly more challenging than in its recommended prerequisite course (Ch 11).

Geology 12 (MGEOL 12)**4 credits****Recommended prerequisite: Science 11**

As an introduction to the field of geology, this course is organized under two major themes - Earth materials and Geological processes. The Earth materials section examines common minerals and methods of identifying them, common igneous, metamorphic and sedimentary rocks, as well as fossil data and rock strata. The major geological processes of plate tectonics and erosion are examined in detail through volcanoes, earthquakes, faulting, weathering and depositional features. Labs focus on the identification of rock and mineral samples and on the interpretation of landforms in relation to processes studied. Geology 12 is an academic course with a high content load. Connection of these topics to Yukon Geology and First Nations Perspectives are made where possible.

Physics 12 (MPH 12)**4 credits****Prerequisite: PH 11**

Physics 12 is the study of classical mechanics and electromagnetism, and is designed to help students develop analytical and problem-solving skills. It provides opportunities for students to understand and apply the principles and concepts of physics to practical situations. The following topics will be studied: special relativity, static equilibrium, circular motion, gravitational dynamics and energy relationships, momentum, electrostatics, electromagnetism. The pace and scope of the Physics 12 course is significantly more challenging than in the prerequisite course (PH 11).

Psychology 12 (YPSYC2APSY)**4 credits****Board Authorized**

This four-credit course is designed to introduce students to psychology, its principles and applications. Course objectives include development of skills and understandings that make it possible for more effective living in our complex environment and to focus on a scientific approach to understanding human behaviour.

Note: This course DOES NOT meet the science graduation requirements, Universities DO NOT accept it as an academic course.



OUTDOOR AND EXPERIENTIAL PROGRAM Plein Air 8 / Outdoor Pursuits 8

Le but d'un tel programme est de procurer un environnement d'apprentissage stimulant pour les élèves en pleine transition du primaire vers le secondaire. À travers le sport et les activités de plein air, les étudiants y trouveront un rythme d'apprentissage différent. Apprendre en bougeant, apprendre en s'amusant et en français ! Pour le semestre d'hiver, le ski de fond prendra une grande place dans la programmation ainsi que la raquette, le ballon balai, le patin et bien d'autres sports d'hiver. Au printemps, le vélo de montagne, l'orientation, le canot et le kayak feront partie des sports pratiqués. Nous culminerons le semestre avec un camp de sciences. Soyez prêts à jouer dehors.

The purpose of such a program is to provide a stimulating learning environment for students in transition from primary to secondary school. Through sports and outdoor activities students will find a different pace of learning. Learn while moving and learn while having fun! For the winter semester, cross-country skiing will be an important part of the program, as well as snowshoeing, broomball, skating and many other winter sports. In spring, mountain biking, orientation, canoeing and kayaking will be part of the sports practiced. Be ready to play outside.



FOOD STUDIES COURSES

Food Studies 9 (MAFS 09) and Food Studies 10 (MFOOD 10)
Prerequisite: None

4 credits

This is an introductory course in food preparation that can be taken in both grade 9 and grade 10. Students begin the course by learning about food safety, food-borne illnesses and kitchen safety. Students will learn about the role of different ingredients, measurement, reading recipes and the proper use of various kitchen tools and equipment. The course will introduce students to a variety of cooking and baking techniques, which will be used to prepare various dishes throughout the semester. Students will learn about the design process and have opportunities to create their own dishes and generate their own menus. Additional topics covered may include nutrition and food guides, budgeting, agriculture and food production, food science, history, and cultural relevance of food.

Food Studies 11 (MFOOD 11) and Food Studies 12 (MFOOD 12)
Recommended prerequisite: Food Studies 9 or 10

4 credits

This class will take place in the FH Collins cafeteria kitchen, where students will begin by completing the FOODSAFE Level 1 certification. Students will learn various culinary and baking skills to create meals for breakfast and lunch served out of the cafeteria. There will be a strong focus on professionalism, food service and culinary best practices. Students will learn how to use various pieces of commercial kitchen equipment and will learn about the use of a wide variety of ingredients. Students will have the chance to research and plan their own menu items and will be involved with catering for special events in the school and the greater community. On Thursdays the class will focus on developing special culinary skills or knowledge. Students should have a strong interest in food preparation, production and service as well as lots of energy for the high physical demands and work experience of this course.



LANGUAGES

SPANISH

Spanish 9 (MSPE 09)

No Prerequisite

Spanish 9 is an introduction to Spanish as a Second language. Students will use and maintain high standards of language proficiency and competency through speaking, writing, listening, reading and interacting in Spanish. Purposeful grammar is taught within the context of many themes in order to communicate meaning. This course is a prerequisite for Spanish 11.

Introductory Spanish 11 (MBSP 11)

4 credits

No Prerequisite

Introductory Spanish 11 is an intensive introduction to Spanish as a Second language where students are engaged in the learning experience. Students will use and maintain high standards of language proficiency and competency through speaking, writing, listening, reading and interacting in Spanish. Purposeful grammar is taught within the context of many themes in order to communicate meaning. This course is a prerequisite for Spanish 11.

Note: Beginner Spanish 11 does not count as a university admission language 11 credit for some universities.

Spanish 11 (MSP 11)

4 credits

Prerequisite: SP 9 **OR** Beginner's Spanish 11

Spanish 11 further develops the present tense in Spanish and we move into the past tense. Students will use and maintain high standards of language proficiency and competency through speaking, writing, interacting and reading in Spanish. Purposeful grammar is taught within the context of many themes such as cinema, cooking, shopping and daily routines in order to communicate meaning. As well, students will further develop their vocabulary and oral competency of idiomatic expressions.

Note: Spanish 11 counts as a university admission language 11 credit.

Spanish 12 (MSP 12)

4 credits

Prerequisite: SP 11

Spanish 12 is an advanced Spanish language course which builds on and refines oral competency as well as further developing comprehension, literacy, listening and writing skills. Hispanic culture and literature will be explored in more detail with an emphasis on oral presentations, expressing opinions, interacting in Spanish and reading comprehension. Students will engage in conversations and respond personally on a variety of topics of interest, orally and in writing.



First Nation Languages Tlingit Language

Beginning Tlingit Language 11 (XAT-10001)

4 credits

This introductory course in Tlingit focuses on conversational skills based on culturally related activities. Understanding the sound system of Tlingit and mastering basic conversational patterns are key components of this course. Students will learn to use the on-line and written resources for each language level. Students will also study traditional Tlingit culture through readings, field trips and presentations by guest speakers. This course is open to grade nine/ ten students.

Note: This course is taught in conjunction with the Yukon Native Language Centre at Yukon College.

Tlingit Language 11 (XAT 11001)

4 credits

Prerequisite: Beg. Tlingit 11

This intermediate course in Tlingit focuses on more advanced conversational skills based on culturally related activities. Understanding the writing system of Tlingit and mastering basic conversational patterns are key components of this course. Students will learn to use the on-line and written resources for each language level. Students will also study the history of Tlingit and other Yukon native groups through readings, field trips and presentations by guest speakers. This course may be followed by Tlingit 12.

Tlingit 11 counts as a university admission language 11 credit.

Tlingit Language 12 (XAT 12002)

4 credits

Prerequisite Tlingit 11

This advanced course in Tlingit focuses on advanced conversational skills based on culturally related activities. Students will use written materials in Tlingit and master more complex conversational patterns. Students will learn to use the on-line and written resources for each language level. Students will also study the contemporary culture of Tlingit and other Yukon native groups through readings, field trips and presentations by guest speakers.

Note: Tlingit 12 counts as a university admission language 12 credit.

Gwich'in Language

Gwich'in Language 8, 9, 10

The Gwich'in Program at F.H. Collins Secondary School provides Gwich'in lessons to Grade 8 – 10. This program includes reading, writing, Gwich'in alphabet sounds, oral speaking, tracing of family trees, cultural history and learning about different plants and berries. We try to use as little English as possible in this course.

Gwich'in Language 11 (XAT 11002)

4 credits

This intermediate course in Gwich'in focuses on more advanced conversational skills based on culturally related activities. Understanding the writing system of Gwich'in and mastering basic conversational patterns are key components of this course. Students will also study the history of Gwich'in and other Yukon native groups through readings, field trips and presentations by guest speakers. This course may be followed by Gwich'in 12.

Gwich'in Language 12 (XAT 12003)

4 credits

This senior course in Gwich'in focuses on more advanced conversational skills based on culturally related activities. Understanding the writing system of Gwich'in and mastering basic conversational patterns are key components of this course. Students will also study the history of Gwich'in and other Yukon native groups through readings, field trips and presentations by guest speakers.

These courses are taught in conjunction with the Yukon Native Language Centre at Yukon College

These credits may count for University Admission at the: University of B.C.; Vancouver, B.C., University of Northern B.C., Prince George, B.C.; University of Victoria, Victoria, B.C., and University of Alaska, Fairbanks, Alaska.

FRENCH PROGRAM

French 9 (MFR 09)

Prerequisite: FR 8

Students will further develop their language skills through listening, reading, writing and communicating, such as short conversations about familiar topics. Themes in this course may include storytelling, French festivals and celebrations, French discoveries, exploration of careers, Francophone heritage around the world, music and cultural activities. Students will continue to explore the connections between indigenous communities and the French language. Throughout the course, students will continue to extend their understanding of French vocabulary, grammatical structures and verb tenses.

French 10 (MFR 10)

4 credits

Prerequisite: FR 9

This course will be mostly taught in French. Students will broaden their language skills through listening, reading, writing and communicating, such as comprehensive conversations about familiar topics. Themes in this course may include survival skills, urban legends, exploration of arts, peoples' careers and passions, weather and natural disaster, music and cultural activities. Students will recognize that language and culture have been influenced by the interactions of First Peoples and Francophone communities in Canada. Throughout the course, students will continue to master their understanding of French vocabulary, grammatical structures and verb tenses.

French 11 (MFR 11)

4 credits

Prerequisite: FR 10

This course will be mostly taught in French. Students will broaden their language skills through listening, reading, writing and communicating, such as comprehensive conversations about familiar and new topics. Themes in this course may include sports and physical fitness, sportsmanship, friendships and relationships, debating, dramatic art (comedy, suspense, etc.) and school life. Students will recognize that language and culture have been influenced by the interactions of First Peoples and Francophone communities in Canada. Throughout the course, students will continue to master their understanding of French vocabulary, grammatical structures and verb tenses.

French 12 (MFR 12)

4 credits

Prerequisite: FR 11

This course will be taught in French. Students will master their language skills through listening, reading, writing and communicating, such as comprehensive conversations about familiar and new topics. Themes in this course may include travelling and studying abroad in French speaking world, exploring fine arts and adventure stories, debating historical and current events, recording podcast and/or writing blogs. Students will recognize that language and culture have been influenced by the interactions of First Peoples and Francophone communities in Canada. Throughout the course, students will master their understanding of French vocabulary, grammatical structures and verb tenses.



IMMERSION FRANÇAISE

Français langue 9 (FFRAL 09)

Préalable : FRAL 8

Ce cours débutera par une révision des concepts de grammaire déjà vus par les élèves. On s'attendra à ce que les élèves emploient correctement ces concepts lors de leurs présentations orales et écrites. Des études de grammaire plus approfondies incluront la structure correcte des phrases et d'autres concepts grammaticaux plus sophistiqués. On examinera des techniques de l'interrogation. L'emphase sera accordée aux propositions et à l'emploi correct des pronoms. **La composante en littérature** commencera avec l'étude de la nouvelle. On lira plusieurs nouvelles et les élèves auront une nouvelle personnelle à écrire, utilisant les aspects qu'ils auront appris durant le semestre. La poésie aura tout d'abord un enseignement qui touchera la versification et les élèves liront une sélection de poèmes des poètes canadiens-français et d'autres poètes français. Chaque élève lira au moins un roman et une pièce de théâtre aussi bien que des légendes et des fables afin d'être exposé aux différents genres littéraires. Des articles documentaires authentiques seront aussi étudiés si le temps le permet.

This course will begin with a solid review of grammatical concepts previously studied by students. Students will be expected to use those concepts correctly in their oral and written presentations. Further grammar studies will include proper sentence structure and more sophisticated grammar concepts. Questioning techniques will be examined. Clauses and proper use of pronouns will be emphasized. **The literature component** will begin with the study of the short story. Several short stories will be read and students will be expected to write their own short story during the term implementing the proper mechanics they have learned. The poetry section will offer the students instruction on the various literary devices and they will read a selection of poems from French Canadian and other French speaking poets. The students will be expected to study at least one novel and one play as well as the study of the legend and the fable in order to expose the students to many literary genres. Authentic documentary materials will be reviewed if time permits.

Mathématiques 9 (FMTH 09)

Préalable : MTH 8

Ce cours approfondit les concepts appris en huitième année. Les nombres réels seront explorés, ainsi que l'algèbre, les graphiques, la géométrie et l'analyse des données. Mathématiques 9 est un cours général qui prépare l'élève à choisir soit les mathématiques pour les métiers et le milieu de travail 10 ou fondements et pré-calcul 10.

This course continues to refine the concepts learned in grade 8. It explores the real number system, algebra, graphing, geometry and data analysis. This is a general course that meets the needs of most high school students and prepares them for entry either into Workplace and Apprenticeship 10 or Foundations/Pre-Calculus 10.

Sciences humaines 9 (FSCHF 09)

Préalable : SCH 8

Les sciences humaines 9 s'orientent autour du concept du « développement des nations ». Ce cours examinera l'histoire du Canada de 1500 à 1815, le nationalisme, l'impérialisme et la révolution industrielle à partir de son apparition en Angleterre jusqu'au temps présent. Ce cours traitera de : 1) les habiletés géographiques, 2) l'histoire canadienne jusqu'en 1815, 3) la création des nations et l'ordre social, 4) l'industrialisation, 5) l'actualité et l'évolution contemporaine. La géographie de l'Amérique du nord sera aussi à l'ordre du jour.

The focus of Social Studies 9 is "The Growth of Nations". This course covers the history of Canada from 1500 to 1815 including the study of Nationalism, Imperialism and the Industrial Revolution from its beginnings in England up to present day. This course covers: 1. Geographic skills, 2. Canadian History to 1815, 3. Nation Building and Social Order, 4. Industrialization, 5. Current Events.

Sciences 9 (FSCF 09)

Préalable : SCN 8

Ce programme continue les apprentissages et les habiletés de manipulation commencés en huitième année. Les concepts abordés incluent : les sciences de la vie (la reproduction asexuée et sexuée), les sciences physiques (chimie : les éléments, les composés, les réactions chimiques et électricité : les circuits, la puissance, l'énergie) et finalement les sciences de l'espace (le système solaire et l'univers).

The Science 9 course is a continuation of the Science 8 program, further developing skills, practices and knowledge from that course. Topics include: Life Science (reproduction); Physical Science (work, power, electricity, periodic table, elements, compounds, reactions); Earth and Space Science (our solar system, the universe).

Sciences humaines 10 (FSCH 10)

4 crédits

Préalable : SCH 9

Les élèves, dans ce cours, étudieront les développements survenus dans l'histoire canadienne, ce qui inclura, bien entendu, les changements sociaux et culturels. Nous analyserons les événements qui ont conduit au gouvernement responsable, à la Confédération et au nationalisme. Nous verrons un tableau d'ensemble des activités économiques du Canada. Nous nous pencherons également sur la géographie canadienne. Nous traiterons des relations du Canada avec la région du Pacifique et le sous-continent indien. L'actualité sera aussi au rendez-vous.

During this course, students will study the historical development within Canada from 1800-1900, including changes in society and culture. An examination of events leading to responsible government, Confederation and nationhood will be undertaken. Economic and technological advances are included in the course material in addition to the regional geography of our nation. Global and Pacific Rim trading associations and resource and environmental management's factors are included. Current events are examined as they occur during the course.

Sciences 10 (FSCF 10)

4 crédits

Préalable : SCN 9

Ce cours couvre trois grands thèmes : les sciences physiques telles que chimie : composés et réactions chimiques, radioactivité et mouvement, les sciences de la vie et les sciences de la terre et de l'espace. À la fin de ce cours, les élèves devront passer un examen écrit du ministère de l'Éducation de la Colombie-Britannique.

The Science 10 course is a continuation and conclusion of the general study of science from grades eight and nine. Topics include: Life Science (DNA & genetics); Physical Science (study of motion, naming compounds, writing chemical formulae and equations and radioactivity); Earth and Space Science (formation of the Universe).

Français langue 10 (FFRAL 10)

4 crédits

Préalable : FRAL 9

Ce cours débutera par une révision approfondie des concepts de grammaire déjà vus par les élèves. On s'attendra à ce que les élèves emploient correctement ces concepts lors de leurs présentations orales et écrites. Des études de grammaire plus approfondies incluront la structure correcte des phrases et d'autres concepts grammaticaux plus sophistiqués. On examinera des techniques de l'interrogation. L'emphase sera accordée aux propositions et à l'emploi correct des pronoms. **La composante en littérature** pourra commencer avec l'étude de la nouvelle. On lira plusieurs nouvelles et les élèves auront une nouvelle personnelle à écrire en utilisant les aspects qu'ils auront appris durant le semestre. La poésie aura tout d'abord un enseignement qui touchera la versification et les élèves liront une sélection de poèmes des poètes canadiens-français et d'autres poètes français. Chaque élève lira au moins un roman et une pièce de théâtre aussi bien que des légendes et des fables afin d'être exposé aux différents genres littéraires. Des articles documentaires authentiques seront aussi étudiés si le temps le permet. Les élèves devront vouloir participer à des activités parascolaires qui leur fourniront une autre dimension d'apprentissage.

This course will begin with a solid review of grammatical concepts previously studied by students. Students will be expected to use those concepts correctly in their oral and written presentations. Further grammar studies will include proper sentence structure and more sophisticated grammar concepts. Questioning techniques will be examined. Clauses and proper use of pronouns will be emphasized. Students will be expected to learn to use all compound tenses correctly and will have the present and past subjunctive as well as the simple past and anterior to study. **The literature component** will begin with the study of the short story. Several short stories will be read and students will be expected to write their own short story during the term implementing the proper mechanics they have learned. The poetry section will offer the students instruction on the various literary devices and they will read a selection of poems from French Canadian and other French speaking poets. The students will be expected to study at least one novel and one play as well as the study of the legend and the fable in order to expose the students to many literary genres. Authentic documentary materials will be reviewed if time permits. Students are encouraged to attend French language activities offered in the community to enhance their learning.

Maths : Fondements mathématiques et pré-calcul 10 (FMPF 10) 4 crédits Préalable : FMTH 9

Cette voie a été conçue afin de fournir aux élèves les connaissances mathématiques et les habiletés de pensée critique qui ont été identifiées pour des programmes d'études postsecondaires.

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies. This course leads to either Foundations of Mathematics 11 or Pre-Calculus 11.

Communication Orale 11 (FSPLG 11)**4 crédits****Préalable : FRAL 10è**

Ce cours débutera par une révision approfondie des concepts de grammaire déjà vus par les élèves. On s'attendra à ce que les élèves emploient correctement ces concepts lors de leurs présentations orales et écrites. Des études de grammaire plus approfondes incluront la structure correcte des phrases et d'autres concepts grammaticaux plus sophistiqués. On examinera des techniques de l'interrogation. L'emphase sera accordée aux propositions et à l'emploi correct des pronoms. On exigera l'apprentissage approfondi des temps composés y compris le présent et le passé du subjonctif, le passé simple et le passé antérieur (4-5 semaines).

La composante en littérature commencera avec l'étude de la nouvelle. On lira plusieurs nouvelles et les élèves auront une nouvelle personnelle à écrire, utilisant les aspects qu'ils auront appris durant le semestre. La poésie aura tout d'abord un enseignement qui touchera la versification et les élèves liront une sélection de poèmes des poètes canadiens-français et d'autres poètes français. Chaque élève lira au moins un roman et une pièce de théâtre aussi bien que des légendes et des fables afin d'être exposé aux différents genres littéraires. Des articles documentaires authentiques seront aussi étudiés si le temps le permet. Les élèves devront vouloir participer à des activités parascolaires qui leur fourniront une autre dimension d'apprentissage.

This course will begin with a solid review of grammatical concepts previously studied by students. Students will be expected to use those concepts correctly in their oral and written presentations. Further grammar studies will include proper sentence structure and more sophisticated grammar concepts. Questioning techniques will be examined. Clauses and proper use of pronouns will be emphasized. Students will be expected to learn to use all compound tenses correctly and will have the present and past subjunctive as well as the simple past and anterior to study. (4-5 weeks) The **literature component** will begin with the study of the short story. Several short stories will be read and students will be expected to write their own short story during the term implementing the proper mechanics they have learned. The poetry section will offer the students instruction on the various literary devices and they will read a selection of poems from French Canadian and other French speaking poets. The students will be expected to study at least one novel and one play as well as the study of the legend and the fable in order to expose the students to many literary genres. Authentic documentary materials will be reviewed if time permits. Students are encouraged to attend French language activities offered in the community to enhance their learning.

Chimie 11**4 crédits****Prérequis : SC 10**

Chimie 11 est un d'introduction à l'étude de la chimie. Les sujets majeurs à l'étude incluent : la théorie de la matière, la mole, la masse et la conservation de l'énergie lors de réactions chimiques, les calculs impliquant des réactions (stœchiométrie), la solubilité et la chimie organique. C'est un cours de laboratoire avec une emphase sur les techniques solides de laboratoire qui mènent à des conclusions exactes.

This is an introductory course in the study of Chemistry. Major topics include; theory of matter, the mole, mass and energy conservation in chemical reactions, calculations involving reactions (stoichiometry), solubility, and organic chemistry. This is a lab course with emphasis on sound lab techniques that lead to accurate conclusions.

Sciences de la vie 11 (MLFSC 11)**4 crédits****Prérequis : SC 10**

Ce cours examine le spectre des formes de vie sur Terre. Par le biais de la microscopie, de dissections et d'observations directes, les élèves examinent les membres typiques des principaux phylums d'animaux, de plantes et de microbes ; ils étudient le regroupement d'organismes en fonction de caractéristiques communes ; et ils étudient l'évolution des formes de vie complexes par le biais d'un examen des formes de vie simples et de l'exigence croissante de nouveaux environnements.

This course examines the spectrum of life forms on Earth. Through microscopy, dissections and direct observations, students examine typical members of the major animal, plants and microbe phyla; the grouping of organisms based on common characteristics is considered; and the evolution of complex life forms is studied through an examination of simple life forms and the increasing requirement of new environments.

Physique 11

4 crédits

Prérequis : SC 10

Physique 11 est un cours d'introduction qui met l'empase sur les principes et les théories de la physique, encourage l'enquête des relations physiques et illustrent les relations entre la théorie et la mise en pratique de cette dernière. Les sujets suivants seront étudiés : le mouvement ondulatoire comme transfert d'énergie, la cinématique en deux dimensions, la dynamique en deux dimensions, l'énergie, les machines simples et les circuits électriques.

Physics 11 is an introductory course that focuses on the principles and theories of physics, encourages investigation of physical relationships, and illustrates the relationship between theory and application. The following topics will be studied: wave motion as a transfer of energy, kinematics in two dimensions, dynamics in two dimensions, energy, simple machines, and electric circuits.

Pré-Calcul 11 (FPREC 11)

4 crédits

Préalable : On suggère une note égale ou supérieure à 60%. Les étudiants avec une note inférieure à 60% doivent consulter leur professeur avant de s'inscrire dans le cours.

Ce cours est recommandé aux élèves qui pensent poursuivre des études postsecondaires qui nécessitent le calcul différentiel et intégral, par exemple les sciences, les mathématiques, ingénierie et l'économie. Les sujets d'étude comprennent les relations et les fonctions, la trigonométrie et les graphiques. Ce cours rencontre les critères d'obtention de diplôme de fin d'études/ diplôme d'études secondaires du ministère de l'éducation

Prerequisite: 50% however, a final grade of 60% or higher in Foundations and Pre-Calculus Mathematics 10 is strongly recommended. Students with less than 60% should consult with their teacher before choosing this course.

This course is strongly recommended for students who are planning on pursuing post-secondary studies in math, sciences or economics. Topics covered may include relations and functions, trigonometry, polynomial functions, and graphing. Students who successfully master the learning outcomes of this course may continue on to Pre-calculus 12. This course satisfies the Ministry of Education's mathematics graduation requirements. Students who are planning on pursuing post-secondary studies in the arts or the social studies should take Foundations of Mathematics 11.

Français langue 12 (FFRAL 12)

4 crédits

Préalable : FRAL 11

Ce cours débutera avec une bonne révision des concepts grammaticaux étudiés auparavant par les élèves. Il est attendu que les élèves utilisent correctement ces concepts dans leurs présentations orales et écrites. D'autres études de grammaire incluront l'apprentissage des structures correctes des phrases et des concepts de grammaire plus sophistiqués. Les techniques de questionnement seront examinées. Une emphase sera mise sur l'utilisation correcte des pronoms. Les étudiants sont tenus d'utiliser correctement tous les temps composés ainsi que le présent et le passé du subjonctif et le passé simple et antérieur. (4-5 semaines.) Nous poursuivrons avec les changements des registres de langues, les négociations, les reformulations et les interactions professionnelles, les structures de communications (blogs-courriels...) et les outils nécessaires afin de composer des dissertations de haute qualité. * **À NOTER : Tout élève de 12^{ème} année immersion doit compléter et réussir l'évaluation de Littératie 12 du ministère de la Colombie –Britannique afin de se voir octroyer le French Immersion diplôme d'études secondaires.**

This course will begin with a solid review of grammatical concepts previously studied by students. Students will be expected to use those concepts correctly in their oral and written presentations. Further grammar studies will include proper sentence structure and more sophisticated grammar concepts. Questioning techniques will be examined. Clauses and proper use of pronouns will be emphasized. Students will be expected to use all compound tenses correctly and will have the present and past subjunctive as well as the simple past and anterior to study. (4-5 weeks) We will follow with the changes in the language registry, negotiations, reworking language parts and professional interactions, communications structures (blogs, emails...) and necessary tools to write high quality dissertations. ***NOTE: A grade 12 student in the French immersion program must complete and pass the British-Columbia Ministry Littératie 12 assessment in order to receive their French Immersion High School diploma.**

Philosophie 12

4 crédits

Quelle est la signification de la vie? Est-ce que les besoins du groupe l'emportant sur les besoins de quelques personnes ou même d'une seule? Qui êtes-vous et en quoi croyez-vous vraiment?

Prenez philosophie 12 et trouvez les réponses à ces questions et à plusieurs autres tout en apprenant ce que quelques grands penseurs ont dit à propos d'eux-mêmes et ce que vous en direz tout en discutant (argumentant) à leur sujet avec vos camarades de classe et votre enseignant.

Le curriculum de la Colombie-Britannique dit que la philosophie 12 :

- Est une discipline qui examine la nature fondamentale du savoir, de la réalité et de l'existence.
- Fournit des outils pour enquêter sur le sens des choses et favorise la compréhension des différents modes de réflexion.
- Permet aux gens de questionner leurs hypothèses et mieux comprendre leurs propres croyances.
- Se penche souvent sur des questions sans réponse définitive, mais nous enseigne que les arguments logiques et raisonnés peuvent démontrer la valeur relative de réponses possibles.
- Est un vrai cours accrédité de science humaines.

Simone de Beauvoir (une fameuse dame de la philosophie) nous dit : « Chacun de nous est responsable pour tout et de chaque être humain. »

Socrate (un grand mec de la philosophie) nous dit : “Ce que je sais, c’est que je ne sais rien. :

M. Dent (un Presque-grand mec de la philosophie) nous dit : “Le café et la connaissance de soi-même sont les deux choses les plus importantes dans la vie. Et peut-être pas dans cet ordre Peut-être.”

Philosophie 12

4 crédits

What is the meaning of life? Do the needs of the many outweigh the needs of the one, or the few? Who are you and what do you really believe?

Take Philosophy 12 and find the answers to these and many other questions as you learn what some great thinkers have had to say about them, and as you discuss (argue?) them with your classmates and teacher.

The BC curriculum says Philosophy 12:

- Is a discipline that examines the fundamental nature of knowledge, reality, and existence.
- Provides tools for investigating meaning and fostering understanding of different ways of thinking.
- Allows people to question their assumptions and better understand their own beliefs.
- Often examines issues with no definitive answers, but teaches that logic and reasoned arguments can show which answers have more or less value.
- Is an actual Social Studies credit course.

Bertrand Russell (famous philosophy dude) says: “science is what you know. Philosophy is what you don’t know.

William James (another famous philosophy dude) says: “There is only one thing a philosopher can be relied upon to do, and that is to contradict other philosophers.”

Mr. Dent (an almost-famous philosophy dude) says: “Philosophy 12 is experiential learning without having to deal with cold weather, bears, or bugs.”

Pré-calcul 12 (FPREC 12)

4 crédits

Préalable : On suggère une note égale ou supérieure à 60%. Les étudiants avec une note inférieure à 60% doivent consulter leur professeur avant de s’inscrire dans le cours.

Cette voie a été conçue afin de fournir aux élèves les connaissances mathématiques et les habiletés de pensée critique qui ont été identifiées pour l'accès aux études post secondaires nécessitant l'étude du calcul différentiel et intégral. Les sujets d'étude comprennent l'algèbre et le nombre, la mesure, les relations et les fonctions, les permutations, les combinaisons, le binôme de Newton et la trigonométrie.

Pre-Calculus 12 (FPREC 12)

4 credits

Prerequisite: 50% in Pre-Calculus 11; however, a final grade of 60% or higher is strongly recommended.

This pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that require the study of theoretical calculus. Topics include algebra and number, measurement, relations and functions, trigonometry.

Chimie 12 (MCH 12)

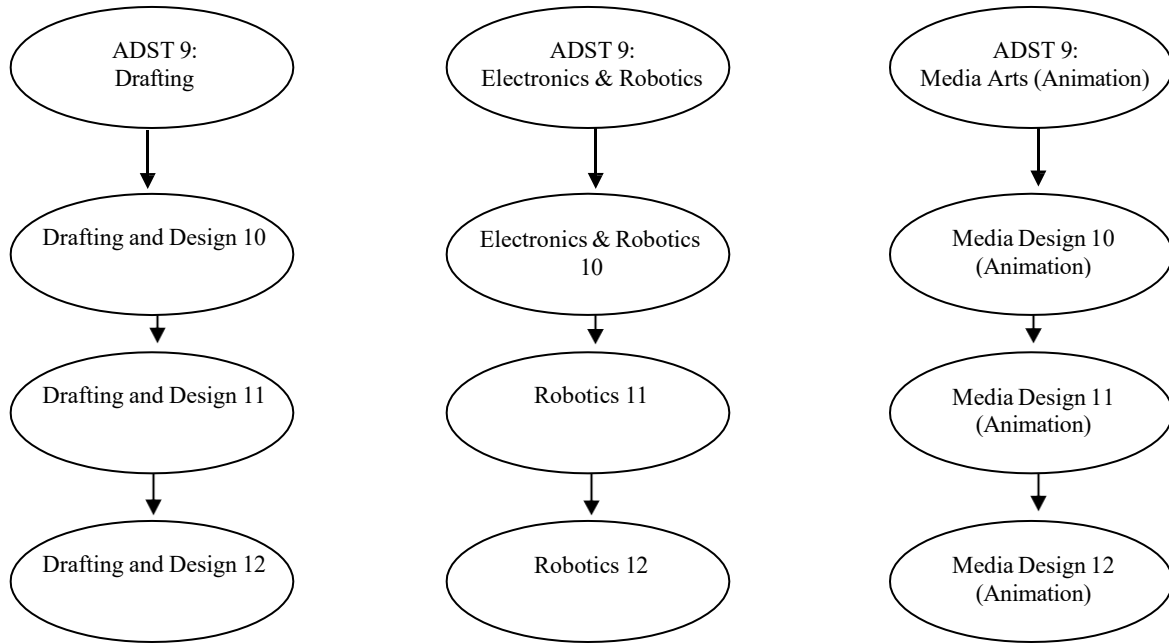
4 crédits

Prérequis : Chimie 11

Ce cours couvre un petit nombre de sujets de chimie de façon très détaillée en mettant l'accent sur la théorie et les exercices de laboratoire. Les sujets abordés comprennent : la vitesse de réaction, l'équilibre, la solubilité, la chimie acide-base et les réactions d'oxydation-réduction. Le rythme et la portée du cours de chimie 12 sont nettement plus difficile que ceux du cours préalable (Ch. 11).

This course covers a small number of chemistry topics in considerable details with emphasis on both theory and laboratory exercises. Topics include: rate of reaction, equilibrium, solubility, acid base chemistry and oxidation-reduction reactions. the pace and scope of the Chemistry 12 course is significantly more challenging than its prerequisite course (Ch. 11)

APPLIED DESIGN, SKILLS & TECHNOLOGY (ADST)



ADST: Drafting 9 (MADD 09)

No Prerequisite

This introductory course will provide students with a foundation in computer assisted drafting (CAD) as well as an understanding of the design process (sketching, modeling, prototype creation). Students will learn to create 2D and 3D designs on the computer and output them in a usable format (2D Printer, 3D Printer, Laser Cutter). Projects include: CO₂ Race Cars and Model Houses.

ADST: Electronics & Robotics 9 (MADER 09)

No Prerequisite

An introduction to Electronics and Robotics; students will learn C+ programming, how to program electrical circuits (in Arduino), and how to design, build, and code autonomous and user-controlled robot builds.

ADST: Media Arts & Animation 9 (MADGE 09)

No Prerequisite

This introductory course Students will primarily be working on computers with a variety of software to create and manipulate vector (Illustrator), bitmap images (Photoshop) and motion graphic design (Animate). In doing so students will study the creation and manipulation of digital images and animation.

Drafting 10 (MTDRF 10)

4 credits

No Prerequisite

This course will provide students with a foundation in computer assisted drafting (CAD) as well as an understanding of the design process (sketching, modeling, prototype creation). Students will learn to create multi-layered 2D drawings including floor plans and then move on to 3D designs and prototype creation. Throughout the course, the various elements of good design and drafting fundamentals will be taught through both computer-based and hands-on activities. Projects include CO₂ Race Cars and Model Houses.

Electronics & Robotics 10 (MTEAR 10)

4 credits

No Prerequisite

An introduction to Electronics and Robotics; students will learn C+ programming, how to program electrical circuits (in Arduino), and how to design, build, and code autonomous and user-controlled robot builds. Students will explore robot behaviours using sensors and actuators through various robotic challenges and competitions.

Media Design 10 (MMEDD 10)**4 credits****No Prerequisite**

This course will allow students to develop an understanding of the changing place of media arts, especially how it applies to computer technologies and digital images and how it affects us within person, social, cultural and historical contexts. Students will primarily be working on computers with a variety of software to create and manipulate vector (Illustrator), bitmap images (Photoshop) and motion graphic design (Flash). In doing so students will study the creation and manipulation of digital images, digital file formats, color theory and bit depth, resolution and image size. The course will culminate in a final animation.

Drafting 11 (MTDRF 11)**4 credits****No Prerequisite**

This course will provide students with a foundation in computer assisted drafting (CAD) as well as an understanding of the design process (sketching, modeling, prototype creation). Students will learn about architecture including 2D drawings and development problems and then move on to 3D wireframe and solids from various viewpoints. Throughout the course, the various elements of good design and drafting fundamentals will be taught. The course will culminate in the students designing something of their own interest. Some examples of final projects include car bodies, gazebos, water fountains and airplane bodies. This course is recommended for anyone aspiring to go into any post-secondary engineering school.

Media Design 11 (MMEDD 11)**4 credits****No Prerequisite**

In this course students will explore and learn about the history and techniques involved in animation. Projects will include stop-time claymation, 2D animation techniques (using Adobe Animate) and 3D animation techniques (using Maya).

Robotics 11 (MTROB 11)**4 credits****No Prerequisite**

Design. Build. Code. Compete. Students will explore robotics, from computational thinking and programming, to user vs. autonomous controls, schematics and circuits. We'll also explore various platforms for robotics programming and try out some competitive robotics.

Media Arts 11 (MVAMT 11)**4 credits****No Prerequisite**

Media Arts provide a unique way to represent self, identity and culture. Students will work with a variety of media technologies and image development strategies, as well as media production (including pre and post production), exploring ways that media arts can reflect personal voice and cultural values.

Drafting 12 (MDFT 12)**4 credits****Recommended prerequisite: Drafting & Design 11**

In this higher-level design course, students will gain a deeper understanding of the design process and learn advanced techniques in 2D and 3D design and modeling. Students will have the opportunity to focus their attention in either architectural drafting techniques (take on the challenge of generating a complete set of architectural plans for a small residence) or mechanical drafting techniques (choosing a project of interest such as designing a car chassis).

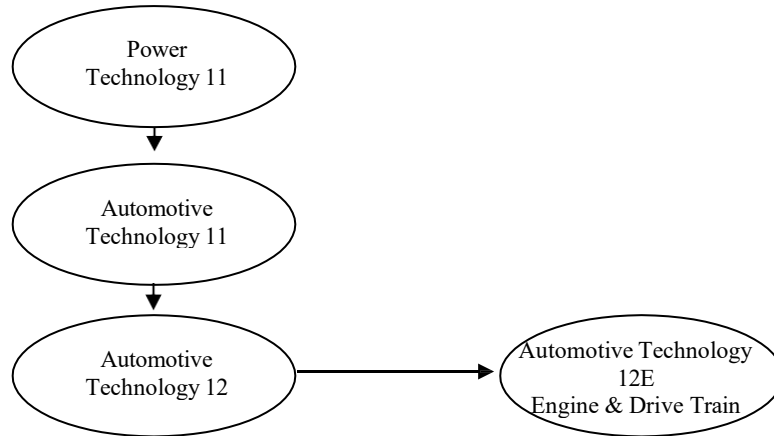
Media Design 12 (MMEDD 12)**4 credits****Recommended prerequisite: Media Design 11**

In this course students will explore and learn more about the history and advanced techniques involved in animation. Students will be able to focus their attention on the type of animation that most interests them such as stop-time animation, 2D animation techniques (using Adobe Animate) and 3D animation techniques (using Maya).

Robotics 12 (MTROB 12)**4 credits****Recommended prerequisite: Robotics 11**

Design. Build. Code. Compete. Students will dive even deeper into robotics, exploring advanced programming, as well as more open-ended robotics design and programming. Students will be encouraged to challenge themselves in the FIRST Robotics Challenge.

APPLIED DESIGN, SKILLS & TECHNOLOGIES - AUTOMOTIVE



ADST: Power Technology Education 9/10: Mechanics (TEC 10)

4 credits

No Prerequisite

This Course will consist of lectures and labs covering the safe and proper use of hand and power tools as they apply to the field of power mechanics. This course will introduce students to the internal combustion engine and the basics of engine operation, including ignition and fuel systems. Lab work and student centered projects will be used to provide students with practical experience to support the theory material studied. Students will also become familiar with precision measuring and drafting as it applies to trades and technology.

ADST: Automotive Technology 11 (MTAUT 11)

4 credits

Recommended prerequisite: Power & Tech 9/10 Or an interview with the instructor

The emphasis of this course is to provide students with the opportunity to learn about Automotive Career Opportunities, acquire skills and attitudes in working safely, and to gain knowledge and competence in working with tools and shop equipment.

ADST: Automotive Technology 12 (MTAUT 12)

4 credits

Recommended prerequisite: Auto Tech 11 Or an interview with instructor

Underhood & Body Inspection & Service – Suspension/Steering/Brakes This course allows students to master skills and concepts in the repair and diagnosis of the automobile. Students will study the overhaul and repair of the: electrical, fuel, cooling and lubrication systems. Students should have access to a vehicle for this course.

ADST: Engine and Drive Train (MTEAD 12)

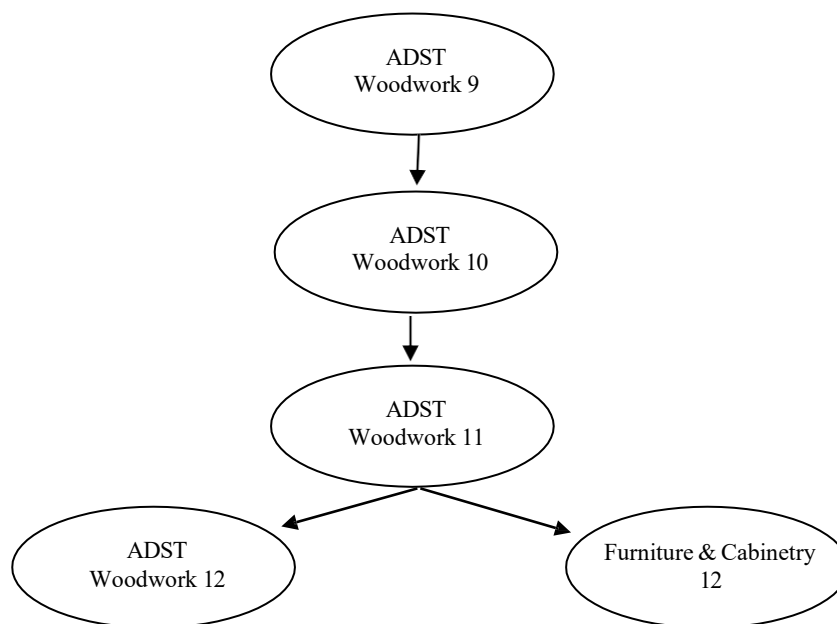
4 credits

Recommended prerequisite: AT12, ATE12 Engine and Drive Train

The emphasis of this course is to provide students with the opportunity to continue their automotive training at a more advanced level. The course is based on commercial work on the following systems:

- Automotive Engines
- Automotive Engine Systems
- Automotive Drive Train

APPLIED DESIGN, SKILLS & TECHNOLOGIES - WOODWORKING



Technology Education Woodworking 9

This course will provide the student with basic instruction in the safe and proper use of woodworking machines and tools. (This course is designed for those students who have little or no previous woodworking experience, but who wish to investigate construction as a possible career choice). The student will be expected to develop a level of competency in the use of these machines and tools and the student will also be expected to construct both an individual and group project that utilizes these tools and machinery.

Technology Education Woodworking 10 (MWWK 10) 4 credits

Recommended prerequisite: MCJ 9

Building on skills learned in Technology and Education Woodworking 9, students will participate in similar projects, with more advanced expectations. This class will give more time and experience to those students who enjoy being in the wood shop and wish to develop their skills and experience. The student will be expected to develop a level of competency in the use of these machines and the student will construct both an individual and group project that uses the tools and machinery in the shop and challenges them to build up their skill set.

Technology Education Woodworking 11 (MCJ 11) 4 credits

Recommended prerequisite: MCJ 9/10

Building on skills learned in Technology and Education Woodworking 10, students will design and build more advanced projects, with more advanced expectations and will be introduced to all tools and machines in the shop. This class will give more time and experience to those students who enjoy being in the wood shop and is structured to provide more flexibility to individual projects. The student will be expected to develop a level of competency in the use of these machines and the student can expect to construct both an individual and group project that uses the tools and machinery and challenges them to build up their skill set.

Technology & Education Woodworking 12 (MCJ 12) 4 credits

Recommended prerequisite: MCJ 11

Please Note: Course Fee \$100.00

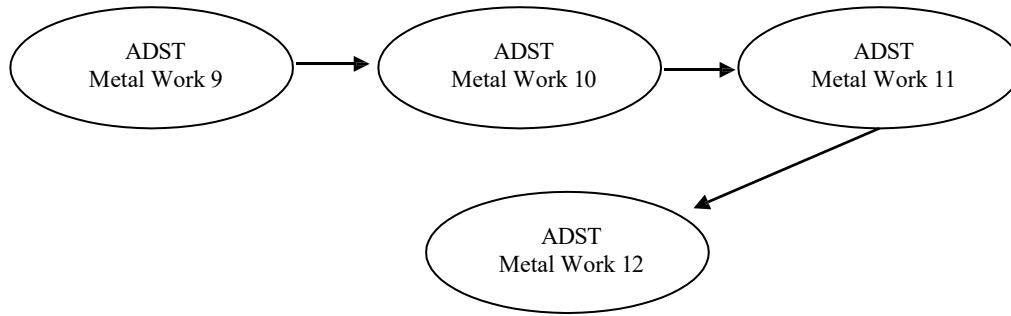
Building on skills learned in Technology and Education Woodworking 11, students will design and build more advanced projects, with more advanced expectations and will be given the opportunity to use all machines in the shop. This class is designed for a senior student with a solid background in wood working and will provide the flexibility to allow them to create advanced individual projects. The student is expected to complete an individual project and display a reasonable level of skill in the construction of the project as well as the written aspect of the course.

Carpentry and Joinery Residential Construction 12 (MCJF12)

Recommended prerequisite: MCJ11

This course is intended to meet the needs of those students who wish to improve their skills in the carpentry trade. With a focus on residential construction, students are expected to construct a carpentry project or to construct a small building. Students are expected to completed assigned group projects such as a shed or a green house. This class is designed to get students job site ready and will cover most of the common components of construction typically seen in the Yukon.

APPLIED DESIGN, SKILLS & TECHNOLOGIES – METAL WORK



ADST: Metal Work 9 (MADM 09)

4 credits

No prerequisite

This course will offer to the students an introduction to several areas in the Metal Shop. Students will learn about a variety of tools, machines, measurement used within the Metal shop and proper techniques specific to industry and best practices. Safety will be focused on for continued learning and application.

ADST: Metal Work 10 (MTMET 10)

4 credits

No prerequisite

This course will provide the student with basic instruction in the metalworking process. This will include the Oxy/Acetyl torch, brazing techniques, MIG welding, jewelry making, sheet metal work, machining, measurement and layout. Students will learn safety procedures in all areas of study. Students will also learn the principles of changing the properties of metals, forming metals and finishing metals.

Metal Work 11 (MTMET 11)

No prerequisite

4 credits

Students in this course will learn more techniques in machining, layout, welding, and sheet metal work, as well as related theory. All instruction will emphasize safety procedures. Students will be responsible for completion of pre-determined projects and completion of individual projects.

Metal Work 12 (MTMET 12)

No prerequisite

4 credits

There will be 2 sections to this course. Section 1 will focus on Machining and the techniques used both on a Milling machine and a Machine lathe. Applying best practices on both machines. Section 2 will focus on Fabrication. The initial steps of design and layout, choice of materials, planning and procedures, and precise finishing of a project. Following step by step application of design and fabrication.



BUSINESS EDUCATION PROGRAMS

Entrepreneurship 12 (MENT 12)

4 credits

No Prerequisite

Entrepreneurship 12 develops analytical, research, and decision-making processes to assist in the evaluation of viable business ventures and potential market opportunities. Students formulate, implement, and evaluate a mini-venture based on a business plan. Students consider elements such as operating strategies, organizational structures, administrative policies, operational processes, information management systems, and legal, ethical, and regulatory considerations. Students will also complete units on personal finance, labour laws, occupational health and safety, and estate planning.

INDIVIDUALIZED WORK PLACEMENT GRADUATION PROGRAMS



Work Experience

4 credits

Work Experience 12A and 12B are Ministry-Authorized work experience courses and are worth 4 credits each. These courses are available to all Grade 11 and Grade 12 students and consist of the following components:

- ◆ Pre-placement orientation in the classroom during the first two-three weeks of the class.
- ◆ Activities to develop an understanding of the similarities and differences in behaviour standards between the workplace and school.
- ◆ 100 hours of out-of-school, on-the-job training.
- ◆ Activities that focus on employment readiness skills, self-awareness, labor market trends, and goal setting.
- ◆ Activities to develop an understanding and appreciation of the importance of workplace safety.

Partnerships: In a joint effort between F.H. Collins and the business community in Whitehorse, resources will be used to provide “hands-on” learning experiences outside the classroom. Students will be placed in work locations specifically selected to match individual interests and abilities. The participating employer and the school jointly develop, monitor and evaluate the student’s out-of-school Work Experience placement. Students will be evaluated on performance, attendance, assignments and term projects.

Entry: Entry into Work Experience is by application. Application forms are available from the Counsellors or the Work Experience Education Coordinator. All applicants should be prepared for a screening interview.

Prerequisite:

- ◆ regular attendance at work is also an important employability skill, students who have maintained a good attendance pattern at school will be given priority in the application process.

Credits: Students who successfully complete the program will receive the following credits:

- ◆ 4 Credits WEX 12A
- ◆ 4 Credits WEX 12B

Enrolment to this course is by application.

YUKON SECONDARY SCHOOL APPRENTICESHIP TRAINING

The program is open to Yukon secondary school students who would like to explore a skilled trade and complete high school at the same time.

Many secondary school students work part-time while attending school, or during the summer break period. Some of those students are working in trades designated in Yukon for apprentice training. Those students working in a trade can be registered as apprentices with their employer and receive credit for their trade experience, even if the work is on a part-time or short term basis. Once they complete high school (defined as not returning to high school for the following semester), their apprenticeship agreements convert to a regular apprentice training schedule. They then continue their on-the-job training and access in-school technical training as regular apprentices.

Secondary school students should contact the Apprenticeship Office and also their school counselors to discuss options available for them to work in a trade and gain credit for their trades training while still attending and completing high school.

DUAL CREDIT INFORMATION

What is a dual credit?

A dual credit is a college/university level course taken by high school students at a postsecondary institute. The students earn credit at both the high school level (for Yukon students, these courses count as a grade 12 elective course) and at the postsecondary level. The course will be offered by Yukon University at their campus. The following web link lists the courses that are available at Yukon College: <https://www.yukonu.ca/programs/dual-credit>

What's the benefit of dual credit?

Participating in dual credit programming gives students the opportunity to experience postsecondary courses and programming, explore potential career pathways, and earn university credit. Students can also prepare themselves for postsecondary by getting some foundational course work completed while still in high school. In addition, Yukon Education sponsors the dual credit program, so there is no tuition! Students need only pay a small student and technology fee.

How many dual credits can students take?

Students are permitted to take two dual credit courses per year. They can take one course each semester or two courses in one semester. Students and counsellors must ensure that students have sufficient time in their schedule to accommodate dual credit courses.

-students must have the prerequisite high school courses in order to register for a dual credit

Which Yukon University courses are eligible for dual credit?

Any Yukon University course that is part of the British Columbia Council on Admission and Transfer (BCCAT) system are eligible for dual credit. Students can determine if a course is included in BCCAT by clicking the “check BC transfer options” on each course page. This link will take you to the BCCAT page for that course and list all the other postsecondary institutes in BC that will accept that course.

Further Information.

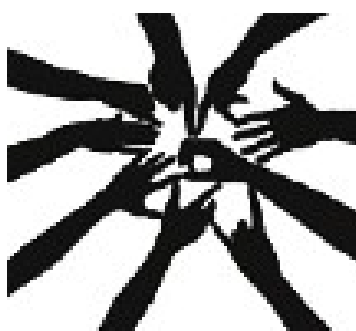
Students will find further information on the Yukon University website or by discussing the matter with their FHC school counsellor.

<https://www.yukonu.ca/programs/dual-credit>



INDIGENOUS ACADEMY

The Indigenous Academy is a new and exciting opportunity for students to explore learning through Indigenous ways of knowing and doing with a more experiential approach. While a broad focus on the Yukon Indigenous culture is examined, students will experience a more holistic approach with local Yukon culture. Students will participate in authentic, hands-on Indigenous activities aimed at enriching their understanding of the local culture while making a positive contribution to the community. This is a unique and innovative opportunity for students to gain a greater sense of how their interaction with local Indigenous culture has an effect on future generations of Yukoners. Students will be involved in a half day program where they will participate in credit courses enriched in culture through language's and connections with Elders, Knowledge Keepers and respected Indigenous leaders in the community. Students will have opportunities to develop leadership skills, and experience service learning through an Indigenous approach to learning and doing. Upon successful completion students will receive credit for English First Peoples 10, Leadership 10, Social Studies 10, and Career Life Education 10.



STEAM 11 (Science, Technology, Engineering, Art & Math)

The STEAM program is an integrated semester in **French Immersion** offering five different courses. It gives students the opportunity to discover and learn outside the classroom through creative and positive hands-on learning experiences. The program endeavours to develop physical, intellectual, social, emotional, and cultural aspects of their personality. Outdoor experiences are used to understand concepts of physics, mathematics, field studies and media production as well as gain an understanding and appreciation of the land on which we live, thus fostering a culture of stewardship. **This program will earn the student 18 credits and one can expect to spend approximately 22-25 days away on field trips.**

Enrolment is limited to 16 students per semester. Registration will include a STEAM application form along with a paragraph describing why you would be a good fit for the program and why you are interested in learning in this way. The application should contain a list of current teachers and the name and contact of one character reference.

STEAM Semester

- Physics 11 (4 credits)
- Pre-Calculus 11 (4 credits)
- Media Arts 11 (4 credits)
- Outdoor Education 11 (4 credits)
- Field Studies 12 (2 credits)

Alternate Semester

- English 11 (4 credits)
- Français 11 (4 crédits)
- Elective (4 credits)
- Elective (4 credits)

The cost of the STEAM program is \$650.00 and includes the STEAM Big Trip activities, transportation, and most food. Students can expect activities to include mountain biking, rock climbing, canoeing, paddle-boarding, snorkeling, hiking, and possibly surfing. The application deadline is February 10. Further information can be obtained by speaking with Mr. Grotoli.

FH COLLINS SPORT 4 LIFE PROGRAM – SPORTS SCHOOL

Full semester - ½ day program at FHC

8 credits

Physical activity is crucial to the way students think and feel. It has a positive impact on overall physical health, mental well-being and on the capacity to learn. The FHC Sports School is based on the Canadian Sport School model used in British Columbia. It emphasizes mastering fundamental movement skills and overall physical development in students, whether they already consider themselves athletes or whether they are simply interested in enhancing their physical fitness.

Students will spend half of each day focusing on sport training and half on academics. The program is structured to allow students to participate while still meeting requirements for mandatory academic courses. The sport training curriculum will be supplemented with guest trainers and speakers on a variety of fitness and nutrition topics aimed at improving physical literacy.

Key features of the FHC Sports School include:

- Involvement in co-curricular athletics and/or community involvement to build leadership skills
- Development of personal fitness, healthy lifestyle and interpersonal skills

The FHC Sports School is an inclusive, athletic focused learning environment that supports diversity in education through a commitment to healthy active living and provides a variety of leadership and healthy lifestyle opportunities for all students. This program will allow you to reach your full potential as an athlete and as a scholar. Program entrance will be determined by completed registration form with all material handed in and suitability to the program determined after a short interview. Students will take regular program courses in the alternate ½ of the day



WOOD STREET EXPERIENCIAL PROGRAMS

Please visit the Wood Street Centre website for the up-to-date information woodstreetcentre.yukonschools.ca

OPES 9 (Outdoor Pursuits/Experiential Science) (24 days on trips)

This integrated science program is a new approach for grade 9 students. Students who enroll in **OPES 9** will be scheduled for the following courses:

OPES Semester

- Socials Studies 9 (4 credits)
- Science 9 (4 credits)
- Outdoor Education 9 (4 credits)
- Physical Education 9 (4 credits)

Alternate Semester

- English 9 (4 credits)
- Mathematics 9 (4 credits)
- Career Ed 9 (4 credits)
- French 9 / Social Studies 9

Enrolment is limited to 20 students. Registration will include the completion of a program brochure, which outlines the details of this program.

Activities

- Biking
- Canoeing
- Sea kayaking
- Snowshoeing
- Hiking

ACES 10

(Achievement, Challenge, Environment, Stewardship)

Full semester 16 credits

24 days out of doors

Integrated Program

ACES 10 is a program which combines academic class work with Yukon based experiential projects, both in and out of school. The program is designed to enhance a student's personal growth on a number of levels (i.e. physical, intellectual, etc.) ACES 10 is offered as a package of courses in the Fall and/or Spring semesters. In the ACES semester, students take the following courses: Social Studies 10 (SS 10), Physical Education 10 (PE 10), Science 10 (SC 10), and Outdoor Education 10 (OE 10). In the alternate semester, students will take: English 10 (EN 10), a Grade 10 level Math, Planning 10 and one Grade 10 option. Be aware that this program has limited enrolment. Students must be interviewed prior to program entry.

A.C.E.S. Semester

- Socials Studies 10 (4 credits)
- Science 10 (4 credits)
- Outdoor Education 10 (4 credits)
- Physical Education 10 (4 credits)

Alternate Semester

- English 10 (4 credits)
- Mathematics 10 (4 credits)
- Career Ed 10 (4 credits)
- Option

Activities

- Biking
- Canoeing
- X-Country Skiing
- Snowshoeing
- Hiking

FACES 10

(French, Achievement, Challenge, Environment, Stewardship)

Full semester 16 credits

24 days out of doors

Integrated Program

FACES 10 is a program which combines academic class work with Yukon based experiential projects, both in and out of school with instruction in French. The program is designed to enhance a student's personal growth on a number of levels (i.e. physical, intellectual, etc.) FACES 10 is offered as a package of courses. Be aware that this program has limited enrolment. Students must be interviewed prior to program entry.

FACES. Semester

- Science Humaines 10 (4 credits)
- Sciences 10 (4 credits)
- Outdoor Education 10 (4 credits)
- Physical Education 10 (4 credits)

Alternate Semester

- English 10 (4 credits)
- Mathematics 10 (4 credits)
- Career Ed 10 (4 credits)
- Français Langue 10 (4 credits)

Activities

- Biking
- Snowshoeing
- Canoeing
- Hiking
- X-Country Skiing

EXPERIENTIAL SCIENCE 11

Full semester 20 credits

24 - 25 days of trips

Integrated Program

Experiential Science 11 is an academic program with a central science theme.

Experiential Science 11 Semester

- Life Sciences 11 (4)
- Chemistry 11 (4)
- Geography 12 (4)
- Visual Arts 11 /2D (2)
- Applied Skills in Field Studies 11 (2)
- Physical Education 11 (4)

Alternate Semester

- English 11
- A Social Studies 11 or 12
- Mathematics 11
- Elective

Enrollment is limited to 16 students per semester. Registration will include completion of an Experiential Science 11 application form, three references – preferably teachers from grade 10, and an overnight experiential assessment.

The overnight experiential assessment process includes an activity based evening, meal preparation, and an overnight stay at Wood Street Centre. Field studies focus on science activities, resource management issues, data collection for ongoing research studies, and student projects.

The cost of the Experiential Science program is \$650.00 and includes the ES11 Big Trip activities, transportation, and most food. The overnight experiential assessment is usually in the first week of May.

Students must apply to this program by filling out an application form (available in December) that is available from Wood Street Centre, Whitehorse, YT or <http://es11.weebly.com/>.

P.A.S.E - Plein air et Sciences Expérientielles 9

This program is offered in French and combines academic class work with practical field study projects. Integration of class work with field activities and trips will give students a rich life experience. These projects will be realized during field activities and trips such as:

- wildlife population studies
- hiking trip
- river kayak sessions in pool
- climbing activities
- water survey studies
- sea kayak trip or canoe trip
- ski trip
- native cultural camp
- visits

The Applied Skill component will be offered through Plein Air et Environnement. The Social Studies class will be enriched with a cultural camp, visits and speakers coming into the classroom.

•PASE also aims at enriching the quality of the student's spoken French.

First Semester:

Éducation physique 9 :

- Most of the physical activities will be based on outdoor activities such as hiking, canoeing, kayaking, climbing, skiing, orienteering, etc. Some traditional activities will be covered such as team, dual and individual sports.

Science naturelles 9:

- Students will have to cover the sciences naturelles grade 9 curriculum. The biology unit will look at human body systems and the factors affecting them. Chemistry studies will include elements, compound and reactions. Force, energy, work and power and machines will make up the physics component. The astronomy section will cover the solar system and the universe. The science 9 curriculum will be enriched through its integration into the various outdoor activities and complemented with field studies.

Plein air et environment:

- This course focuses on outdoor skills and projects through participation in daily and extended outdoor field trips such as hiking, backpacking, canoeing, river and sea kayaking, winter camping, and other outdoor activities. Students will also be introduced to a variety of environmental skills, which include stream studies, camping techniques and bird identification. Landscape drawing and other forms of art will be integrated into the class.

Sciences humaines:

- This course studies the history of Canada from the first inhabitant to the war of 1812. Current events, geography of Canada and the use of GPS Systems will also be part of the course.

Second semester:

For their second semester in F.H Collins, students will have to take these courses:

- Français 9
- Anglais 9
- Mathématiques 9
- Career Ed

This program has limited enrolment and registration will include the completion of a program brochure and an interview prior to being accepted in the program.

M.A.D. (Music, Art, Drama)

MAD

Prerequisites: MAD 9 - Successful completion of grade 8 English (60% recommended)

Students will receive a unique opportunity to participate in a program, which will stress creativity and imagination and foster skills in English, drama, dance, art, music and video production. Emphasis is on group dynamics and individual development. Projects will include story-telling and story theatre, creative movement, mime, improvisation and theatre sports as well as collaborative dramatic creation involving music and set design and building.

MAD 9 Semester

- English 9
- Social Studies 9
- Physical Education 9
- Fine and Applied Arts 9

Alternate Semester

- Science 9
- Math 9
- French 9 or other language
- Career Ed 9

MAD 9 and 10 will provide a strong foundation for those students hoping to take MAD 10,11 and 12. **There is no fee for MAD 9**
Prerequisites: MAD 9 - Successful completion of grade 8 English (60% recommended)

MAD 10

16 credits

Students will receive a unique opportunity to participate in a program, which will stress creativity and imagination and foster skills in English, drama, dance, art, music and video production. Emphasis is on group dynamics and individual development. Projects will include story-telling and story theatre, creative movement, mime, improvisation and theatre sports as well as collaborative dramatic creation involving music and set design and building.

MAD 10 Semester

- English 10
- Social Studies 10
- Physical Education 10
- Drama 10: Theatre Performance

Alternate Semester

- Science 10
- Math 10
- Career Ed 10
- Option

MAD 10 will provide a strong foundation for those students hoping to take MAD. 11 and 12.
Prerequisites: MAD 10 – Successful completion of grade 9 English (60% recommended)

MAD. 11/12

16 credits

Prerequisite-Social Studies and English 10 (MAD 11)

Prerequisite-Social Studies and English 11 (MAD 12)

MAD. 11/12 is a package of courses for students who want to develop their creativity and knowledge in several art forms, yet maintain a strong all around academic program. The MAD. courses may be offered both in and outside the school setting.

Approved courses offered within the MAD Program include English 11 or Communications 11 (4 credits), English 12, Communications 12 (4 credits) Social Studies 11: **a choice of two or three** Fine Arts courses (4 credits each) from Media Arts 11/12, Music: Composition and Technology 11/12, Drama: Film and Television 11/12, Dance Performance 11/12, Dance Choreography 11/12, Theatre Performance Acting 11/12, Theatre Production 11/12, Theatre Production: Technical Theatre 11/12, Theatre Performance: Directing and Script Development 11/12.

This program has limited enrolment. Interested students should speak to a school counselor or the Fine Arts Department Head. Students must be registered by May 1 of the year before the course is to be taken to ensure enrolment.

Alternate Semester (First Semester)

- A Science 11
- A Mathematics 11
- Option
- Option

MAD. Semester (Second Semester)

- English 11 or English 12
- A Social Studies 11 or Option 11/12
- Theatre Performance 11/12
- 1 Fine Arts Option (Dance Performance 11 or Dance Performance 12)

❖ English 9-12 and Social Studies 9, 10 & 12 in MAD presents the standard academic curriculum presented in a functional, relevant and creative manner.

Inlät's'än Kenùdän
“Together we will learn”



CHAOS 10 & 11: Community - Heritage - Adventure - Outdoors – Skills

CHAOS is an experiential program that is offered to Yukon students in grades 10 and 11 and is based at Wood Street School. "CHAOS" stands for Community, Heritage, Adventure, Outdoors and Skills. These programs have been developed in collaboration with the First Nations Programs and Partnerships Unit at the Department of Education.

Goals & Objectives:

- Giving students an opportunity to learn through experience
- Creating an environment for success and learning
- Providing students with an opportunity for leadership
- Developing understandings and making connections to Yukon First Nations knowledge, traditions, skills, values and beliefs in course content
- Providing a sense of belonging and community relationships
- Program will be developed using a holistic approach: working to balance mental, physical, emotional and spiritual.
- Maintain and enhance the standards of the BC curriculum
- Improved literacy

CHAOS 10 Courses:

- Social Studies 10
- English First Peoples 10
- Physical Education 10
- Ancestral Technology 10

CHAOS 11 Courses:

- Social Studies 11
- English First Peoples 11
- Outdoor Education 11
- Ancestral Technology 11

MINISTRY – APPROVED EXTERNAL COURSE CREDITS

A Ministry-Approved External Course is a Ministry-Authorized course. Students may receive two or four graduation credits for organized learning activities offered outside the Yukon or British Columbia school system. The student is responsible to present the appropriate documentation to the school administration.

◆ **External Music Courses**

The study of Voice, Piano, Strings, Guitar, Accordion, Harp, Brass, Woodwind, Percussion, Recorder or Organ taken with the Royal Conservatory of Music, the Western Board of Music or the Victoria Conservatory of Music may earn credits.

◆ **External Sport: Athlete, Coach, Official**

Students seeking credits for a sport course or program are required to present specific documentation as proof of participation or completion. The required documentation is obtained from Sport Yukon, Yukon Recreation and Athletic Commission, North American Indigenous Games or the appropriate National Sport Organization.

Athlete 10 – An athlete must have been selected to a regional/zone select team that competes at the provincial level.

External Official – Official 10 – A student official must complete a theory course, examination, practical evaluation/assessment and 25 hours of practical officiating.

◆ **External Youth Development Course**

Air, Army or Sea Cadets, Guides and Scouts, 4-H Certification

◆ **External Industrial and Occupational Course**

Occupational certification: Tourism

Lifesaving, Bronze, Water Safety Instructor, Lifeguard

WCB – Occupational First Aid Level II

Driver Education Course

Canadian Private Pilot's License

◆ **Grade 2 Rudiments – Royal Conservatory of Music Course. Time and place arranged with instructor**

(UMRC 10) Grade 1 Rudiments

(UMRC 11) Grade 2 Rudiments

(UMRC 12) Grade 2 Rudiments