

COURSE PLANNING GUIDE

2024-2025



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Educational Planning

This guide deals exclusively with course-related information, providing students and parents/guardians with the information necessary to make thoughtful course selection. Killarney offers a variety of courses. Some are required courses, others are electives. All courses are designed to meet individual needs, interests, and abilities.

The priority is for students to attain the course credits needed to graduate high school. Credits for graduation accumulate in Gr. 10 through 12 coursework. In Gr. 8 and 9, students are laying foundations that will help them be successful in more senior courses. Course selection in grades 10, 11, and 12 also has implications for post-secondary opportunities.

Thus, it is the responsibility of each student to:

- ensure that they complete courses leading to graduation.
- ensure they meet the entrance requirements for the post-secondary institution of their choice.

Once courses are chosen, timetables are built by computer. Every effort is made to provide students with their chosen courses. If an insufficient number of students request a specific course, that course offering will be dropped, and the student will be contacted to choose a new course. *NOTE: It is not possible to select courses by specific teacher.*

Indigenous Focused Graduation Requirement

As part of the provincial government's commitments to truth, reconciliation and anti-racism, the Ministry of Education implemented a new graduation requirement of 4 credits of Indigenous-focused coursework. This requirement came into effect in the 2023-2024 school year for all students working towards a B.C. Certificate of Graduation (Dogwood Diploma). The requirement builds on previous work to integrate Indigenous content into the provincial K-12 curriculum, and support students to graduate with a deeper understanding and knowledge of First Peoples' perspectives, histories, and cultures.

All students working towards a BC Certificate of Graduation (Dogwood Diploma) are required to **complete 4 credits of Indigenous-focused coursework to graduate**. While the total number of credits required to graduate remains unchanged at 80 credits, students may fulfill the new requirement through a variety of existing and new course options.

Students may also have the option to meet more than one graduation requirement within one course at the same time. For example:

- English First Peoples 10-12 would meet both the existing English Language Arts requirement for Grade 10-12 as well as the Indigenous Focused requirement.
- BC First Peoples 12 or Contemporary Indigenous Studies 12 would meet both the existing Social Studies requirement for Grades 11 and 12, as well as Indigenous Focused requirement.

The courses offered at Killarney that satisfy the Indigenous Focused requirement are:

- English First Peoples at the Grade 10 and 12 levels
- BC First Peoples 12

Graduation Requirements

GRADUATION REQUIREMENTS	
80 CREDITS MINIMUM ARE REQUIRED FOR GRADUATION <i>(equivalent to 20, 4-credit courses)</i>	
<p>52 CREDITS ARE REQUIRED COURSES, including:</p> <ul style="list-style-type: none"> <li style="text-align: right;">an English 10* 4 credits <li style="text-align: right;">an English 11* 4 credits <li style="text-align: right;">an English 12* 4 credits <li style="text-align: right;">Social Studies 10 4 credits <li style="text-align: right;">a Social Studies 11 or 12* 4 credits <li style="text-align: right;">Science 10 4 credits <li style="text-align: right;">a Science 11 or 12 4 credits <li style="text-align: right;">a Mathematics 10 4 credits <li style="text-align: right;">a Mathematics 11 or 12 4 credits <li style="text-align: right;">Physical & Health Education 10 4 credits <li style="text-align: right;">a Fine Arts or Applied Skills 10, 11 or 12 4 credits <li style="text-align: right;">Career and Life Education 10 4 credits <li style="text-align: right;">Career Life Connections 12 and Capstone 4 credits 	<p>52 credits in required courses</p>
<p>28 CREDITS ARE ELECTIVE COURSES</p> <p>Of the 28 Elective credits:</p> <ul style="list-style-type: none"> ○ 12 elective credits (3 elective courses) must be at the Grade 12 level. ○ 16 elective credits may be either Grade 10, 11 or Grade 12 courses. ○ Elective courses are any courses that are outside of the required courses 	<p>28 credits in elective courses</p>
<p>INDIGENOUS-FOCUSED GRADUATION REQUIREMENT: All students working toward a B.C. Certificate of Graduation (“Dogwood Diploma”) must successfully complete at least one 4-credit course that satisfies the Indigenous-Focused graduation requirement.</p> <p style="text-align: right;">Indigenous Focused courses offered at Killarney (2024/25): English First Peoples 10 English First Peoples 11 English First Peoples 12 BC First Peoples 12</p>	
ASSESSMENTS	
<p>Numeracy 10 Assessment Literacy 10 Assessment Literacy 12 Assessment</p>	
EXTERNAL LEARNING CREDITS	
<p>Students may earn additional Gr. 10, 11, or 12 credits towards graduation through external credits (outside Killarney), such as:</p> <ul style="list-style-type: none"> ○ Approved equivalency credits from ○ Language Challenge Exams ○ Music Exams in Royal Conservatory ○ Certification through Cadets ○ Dual credits from a post-secondary or trade program <p>Please speak with your Counsellor if you have questions regarding external credits.</p>	

How to make maximum use of this course planning book:

- study the Graduation requirements.
- read the course descriptions and determine what, if any, prerequisites must be met.
- choose courses that are suitable to your interests, abilities, and possible future vocation.

Post-secondary information can be found at:

www.educationplannerbc.ca or login to your myBlueprint account at www.myblueprint.ca. Students should also visit individual university and college websites for specific program requirements.

Information on B.C. Graduation Requirements can be found at: <https://www2.gov.bc.ca/gov/content/education-training/k-12/support/graduation>

NOTE: Meeting B.C. High School Graduation requirements does not guarantee admission to a post-secondary institution. It is the responsibility of all students and parents to ensure that they have met all post-secondary admission requirements as they vary among post-secondary institutions and programs of study.

Career Life Education

Career Life Education and Career Life Connections

Career Life Education (CLE 10) and Career Life Connections (CLC 12) and Capstone project is an 8-credit program spread out over grades 10 and 12 that introduces students to the Graduation Program and equips them with a series of skills to make informed decisions, access information, and develop personal responsibility. This bundle of courses is a graduation requirement, and all students must pass to graduate. Over the two years, CLE/CLC courses cover topics such as career options and planning, post-secondary research, post-secondary pre-requisites, setting post-secondary goals for education and/or work, budgets and financial planning, resume and application writing, applying for universities and colleges, scholarship applications, etc. Both CLE 10 and CLC 12 are delivered online through MS TEAMS and MyBlueprint.

Work Experience

Work Experience is a program that joins classroom theory with practical experience in the workplace. The program provides students a glimpse into working life away from the school, helps to build and hone working skill sets and helps students find career paths. Students will be required to volunteer approximately 90 hours. The number of days per week and working times each day vary by employer (weekdays, weekends, evenings); however, students are still expected to maintain school assignments during this time.

The Work Experience Coordinator will also visit workstations to monitor students' progress and evaluate their performance. In addition to providing work experience, the program can help students build resumes and cover letters, make decisions about their future careers and to gain confidence in making the transition from secondary school to the world of work or post-secondary education.

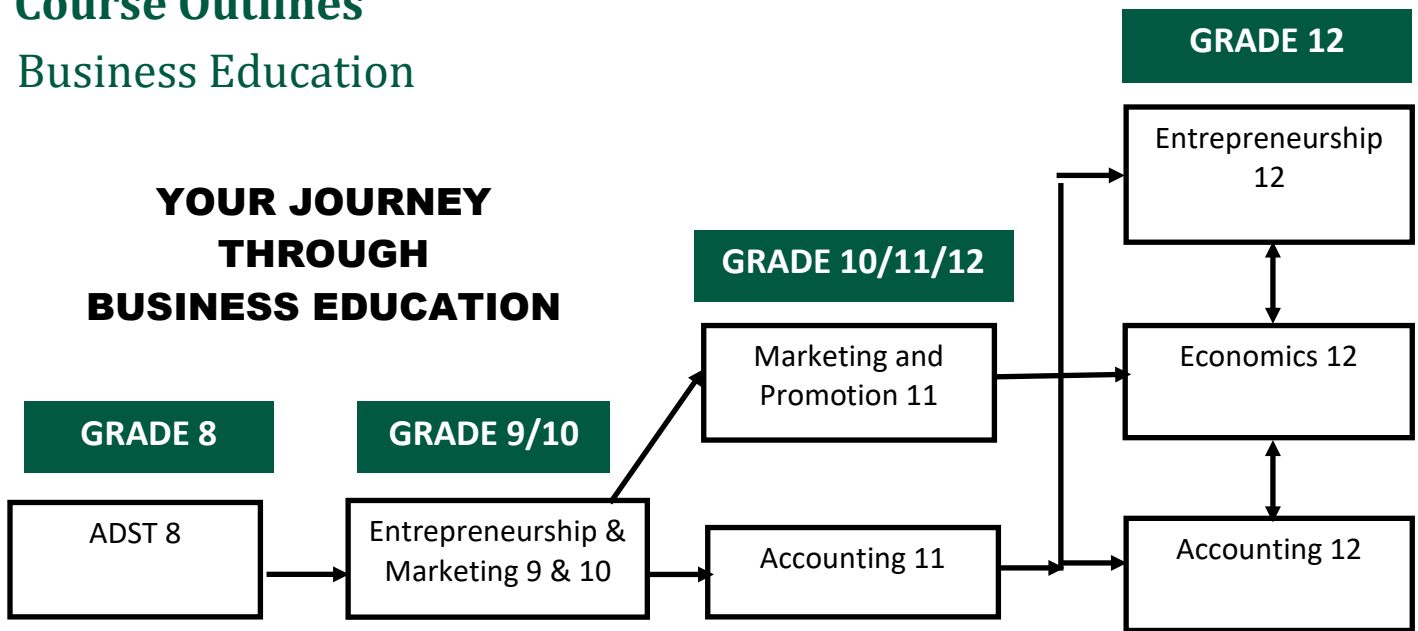
Course Codes

Grade 11: XAT--11WEX

Grade 12: MWEX-2A

Course Outlines

Business Education



Note:

Each senior grade (10-12) may enrol in multiple Grade 11/12 business classes at the same time. Classes do not need to be taken in this order.

Recommended: It is recommended you take multiple senior business classes to bridge your understanding of how these subject areas interrelate with at least one senior class in Grade 10.

ADST—ENTREPRENEURSHIP & MARKETING 9 & 10 (MADEM09 & MADEM10)

Want to create a modern-day business? Then this is the course for you! This course blends together the process of becoming an Entrepreneur from building and starting a business to understanding consumer behaviour in marketing. You will explore how to build a model and participate in an international business competition. Explore how traditional and digital advertising influences consumers and how to focus your business.

Within this course, you will be able to sample offerings from Senior level business courses including exploring investment strategies, competing on the stock market, develop advertising campaigns and build your digital software and communication skills. Some of the sample areas of focus include:

- Sustainable Entrepreneurship
- Marketing Segments
- Tourism
- Business Presentation Skills
- Investment Strategies
- Business Career Communications

This course provides you 4 credits and fulfills the requirement for an Applied Design, Skills and Technologies course that you need for graduation.

ACCOUNTING 11 (MAC--11)

Open to Grades: 10, 11, 12

This is an introductory course to accounting. You can expect to learn about how accounting is vital to any business and how to become more financially savvy. Learn how businesses make important decisions based on data. You will also explore the career opportunities that accounting has to offer. In this course, you will be introduced to the following concepts:

- The accounting equation
- The accounting cycle
- Bookkeeping and journal entries
- Introductory financial statements
- Business reports and chart creation using Word and Excel
- Presentation skills in a business environment
- Introductory finance/budget planning

NOTE: Workbook Cost: \$35.00

ACCOUNTING 12 (MACC-12)

Strongly Recommended: Accounting 11

Open to: Grades 11, 12

This course will continue where the Accounting 11 course finishes off. This is an excellent course for students planning to pursue post-secondary studies in accounting, finance, business management or commerce. Topics covered include:

- Posting
- Completing the accounting cycle
- Accounting for cash
- Accounting for a merchandising business
- Special journals and subsidiary ledgers
- Business organizations and decision-making
- Financial analysis of corporations
- Personal income taxes

Accounting 12 uses the same workbook as Accounting 11. Students will also be using special accounting software such as Sage 50 and QuickBooks.

MARKETING & PROMOTION 11 (MMAP-11)

Open to: Grades 10, 11, 12

Want to run a company and plan fun events and sales? This is the course for you. Come join Marketing & Promotion 11 and run the Killarney Marketing Group (and see our work here at killarneymarketing.square.site). This organization helps support the school community through hired fundraising while helping you build real life leadership and employment skills. Come be a Director, Project Manager or Representative. This course examines current marketing concepts, careers, entrepreneurship, advertising, customer service and business environments. Some sample concepts include:

- The Marketing Mix (4 P's)
- Understanding the Consumer
- Market Segmentation
- Market Analytical Tools
- Advertising
- Product Life Cycle

Please note that this course will dedicate a significant portion to teaching students the *Case Study Method of Learning* in business – a popular and widely used method of study for business in post-secondary and business competitions. This course includes several field trips throughout the year.

Note: Taking Marketing 11 is highly recommended for entry into Entrepreneurship 12

ENTREPRENEURSHIP 12 (MENT-12) Cougar Mart

Priority will be given to students that have taken either Marketing 11, Accounting 11 or Accounting 12.

Note: Entry to the course is based on an application process. Please see Mr. Bui for an application form.

Entrepreneurship 12 is an introductory course to owning and operating a small-scale business and experiencing the challenges and rewards of entrepreneurship. You will have an opportunity to apply the marketing background knowledge that you acquired in Marketing 11 to the operation of the school store—Cougar Mart. You will also get to develop your own venture and sell a product or service to the school community.

You will have numerous “hands on” opportunities to take on a variety of leadership roles to contribute to the success of the store’s operation. For example: You could be the CEO of the store and be responsible for managing your employees (your peers); or be the accountant who manages the financial operation of the store. You will gain valuable future employability skills such as:

- Operating a cash register
- Managing staff
- Marketing goods and services
- Developing and implementing new and innovative ideas

ECONOMICS 12 (MEC--12)

Students will understand how a modern economy works from both a micro and macroeconomic perspective, which can be helpful no matter what you plan to do after high school. An emphasis is placed on what to expect from both a university course structure and a career in business. Many former Killarney students have commented that their Economics 12 course at Killarney gave them an advantage in first year university level *Principles of Microeconomics and Macroeconomics* classes as they already knew many of the topics and theories covered. Those two courses are generally required if you go on to complete a business or economics degree in university. Topics covered will include the following, as well as others, permitting time:

Microeconomics:

- The Economic Problem of Scarcity
- Demand and Supply
- Competitive Dynamics and Government Policies
- Costs of Production

Macroeconomics:

- Measures of Economic Activity
- Inflation and Unemployment
- The Foreign Sector
- Foreign Trade

Other topics:

- Stock market
- Current business news and trends

English Language Arts (and Psychology)

In English Language Arts 8-12, students will examine and enjoy a variety of Canadian and First Peoples texts to help understand themselves and make connections to others and to the world around them. Questioning what they read, hear and view contributes to students' ability to be educated and engaged citizens. All students are required to take an English course in each year of secondary school.

Daily at-home reading is recommended to support student success in English Language Arts (especially in the semester the student doesn't have an English course).

ENGLISH LANGUAGE ARTS 8 (MEN--08)

English 8 provides students the opportunity to strengthen their understanding of themselves, diverse cultures, and multiple perspectives through the exploration of First Peoples' and other Canadian and international texts. Students will be expected to engage critically with and produce their own oral, written, visual and digital texts. Reading, listening and the critical viewing of texts will be presented as a source of creativity and joy.

ENGLISH LANGUAGE ARTS 9 (MEN--09)

English 9 emphasizes self-directed learning and communication through language and literature. Skills include synthesizing, making connections, critical and creative thinking, exchanging ideas, extending thinking, and establishing and supporting an opinion. Students will engage with non-fiction texts, novels, short stories, poetry, plays, film, and a variety of graphic texts to explore a diversity of voices including Canada's First Peoples.

Introduction to English First Peoples Courses

In English Language Arts, English First Peoples (EFP) courses are exciting opportunities to explore the diverse world views of Indigenous peoples in Canada and beyond. These courses are the academic equivalent to the regular English Language Arts courses 10-12 but with a focus on authentic texts written solely by Indigenous writers. Students will consider how First Peoples texts and stories provide insight into Canada's past, present, and future, and how studying these texts is a pathway to reconciliation and to justice.

***Indigenous-Focused Graduation Requirement** (for graduation in 2024 and later): EFP 10 and EFP 12 courses will satisfy the four credits needed for the Indigenous-Focused Graduation requirement. You may take one or all your senior English Language Arts credits in the EFP courses offered.

ENGLISH FIRST PEOPLES 10 - LITERARY STUDIES AND WRITING (MEFWR10 & MEFLS10 - PKG--10M)

This blended course (worth four credits) will be required for all Killarney's grade 10 students. The course surveys Indigenous literature across a variety of genres including short stories, novels, poems, drama, films, and graphic texts, all created by Indigenous writers and artists across Canada. Students will develop their skills of close reading and analysis, as well as their writing skills (both academic and creative) required for success in senior English Language Arts courses. EFP 10 will explore themes such as identity, family, place, conflict, cycles, dreams/visions, tradition and ceremony, community, and resilience with reference to Indigenous world views and ways of knowing.

ACADEMIC STRATEGIES/EFP 10 (YESFLOA)

Transitional English (TREN) is designed for Grade 10, 11 and 12 ELL students who have reasonably strong reading and writing skills and are ready to transition to regular English. The course supports the skills and content of English Language Arts 9 and 10. The goal of the course is to support the acquisition of English language through reading and writing of increasingly complex texts as well as through group and class discussions. Students will further develop their sentence fluency and correct use of grammar while expanding vocabulary. Students in Transitional English will also take English First Peoples concurrently (see EFP 10). *This course will count as an Indigenous Graduation Credit.*

ENGLISH LANGUAGE ARTS 11

The following courses all count as 4 credits for English Language Arts 11. Students must take at least ONE of these courses but may choose to take additional courses as electives. All options have the same level of difficulty and will be comprised of reading, writing, listening, viewing, and speaking but with a focus on literature and writing.

LITERARY STUDIES 11 (MLTST11)

Literary Studies 11 allows students to delve deeply into a selection of Canadian and World literature to explore individual and cultural identities including Indigenous voices. Students will study the various literary techniques and devices used to create depth and meaning in both fiction and non-fiction. The course also offers students practice in close reading of text and in written analysis and response. Literary works will be studied in both whole-class and literature-circle groupings.

COMPOSITION 11 (MCMPS11)

Composition 11 is designed to support students as they refine, clarify, and adjust their written communication through practice and revision. Students will read and study texts by other writers and be exposed to a variety of techniques, styles and models for the development of their own writing. The course provides opportunities for students to study, create, and write original and authentic pieces for a range of purposes and real-world audiences. Writing will include different types of essays including a research essay as well as other personal and academic writing products.

ENGLISH LANGUAGE ARTS 12

Grade 12 students must take English Studies 12 **OR** English First Peoples 12 to fulfill graduation requirements.

ENGLISH STUDIES 12 (MENST12)

English Studies 12 promotes critical thinking to challenge students' perceptions and to help them understand themselves and their world with greater compassion and respect. The course uses a variety of contemporary literature including Indigenous texts to encourage students to delve more deeply into themes, ask insightful questions, make meaningful connections, engage in thoughtful discussions and demonstrate their understanding through a variety of academic and creative assignments. The course will expand students' awareness of literary techniques and forms as well as research and citation skills. Written compositions will reflect an awareness of various conventions, audiences and purposes. English Studies 12 offers increased opportunities for peer and self-assessment allowing students to become more reflective and autonomous learners.

ENGLISH FIRST PEOPLES 12 (MENFP12)

English First Peoples 12 offers students the opportunity to engage with a wide variety of authentic Indigenous texts to explore the worlds of First Peoples both within and outside Canada. Oral story, speech, poetry, drama, songs, films and prose (fiction and non-fiction) will open students to the experiences, values, beliefs and lived realities of Canada's First Peoples. Students in EFP 12 will further develop their skills of close analysis, critical thinking and effective communication of ideas through increasingly sophisticated multi-genre texts and projects. By engaging with Indigenous texts, students will appreciate and understand how language constructs and reflects personal, social and cultural identities. In EFP 12, students will explore a variety of themes including: connection to the land, tradition, healing, balance, well-being, the importance of elders, the loss (and affirmation) of identity, the importance of oral tradition, the nature of spirituality as an aspect of wisdom, roles and responsibilities, resilience and renewal.

PSYCHOLOGY 12 (YPSYC2A)

(Psychology 12 is NOT an English 12 credit) Psychology 12 is open to students in Grades 11 or 12.

*this course replaces Psychology 11. Students who took the grade 11 course in 2023/24 are advised not to enroll in Psychology 12 in 2024/25 as the course repeats the grade 11 curriculum.

This exciting introductory course is like first year Psychology at local colleges and universities. Students will examine the complex human mind through studies in brain physiology (how do our brains work?), personality theory (who are we?), abnormal psychology (mental illness), social psychology and various therapies. Students will explore the connections between the spirit, the mind and the body as well as major issues in mental health and wellness. Psychology is a great course for those considering future studies or occupations in Business, Education, Human Resources, Hospitality and Tourism or Healthcare.

English Language Learning (ELL)

Classroom assignments and observations by teachers ensure that students are appropriately placed in our ELL Program.

The English Learning Language Department provides a four-level program for students.

Level 1 is appropriate for students whose English skills are at a beginning level.

Level 2 is for students whose English skills are at an intermediate level.

Level 3 is for students who generally have advanced language skills but are performing below grade level. Senior students who would like extra support can also take Academic Strategies 10.

- Transitional**
- JUNIOR—Students in Grades 8 and 9 who have strong enough English skills will be placed in regular classes and receive one block of ELL Support Block for additional support.
 - SENIOR—Grade 10, 11 and 12 ELL students who have reasonably sufficient oral and written English language skills are registered in Transitional English and Transitional Social Studies. Successful completion leads to English 10 and Socials 10 credits.

LEVEL 1	LEVEL 2	LEVEL 3	TRANSITIONAL JUNIOR	TRANSITIONAL SENIOR
ELL English 1	ELL English 2	ELL English 3	ELL Support	ELL English Senior Transitional
ELL Reading 1	ELL Reading 2	ELL Reading 3	English 8 or 9	Literary Studies Transitional
ELL Social Studies 1	ELL Social Studies 2	ELL Social Studies 3	Regular Social Studies	ELL Social Studies Senior Transitional
ELL Science 1	ELL Science 2	Regular Science	Regular Science	Regular Science
		Academic Strategies 10		Academic Strategies 10

Revised: November 1, 2021

Fine Arts - Visual

VISUAL ARTS 8 (MVA--08)

This course runs for half a semester in conjunction with Drama 8. It introduces students to the foundation of making art. The goal of this course is to understand the important role art plays in our lives and to develop skills in making art with a wide range of media. This is an introductory art course that will cover basic art processes and techniques such as:

- Drawing - lines, pattern, perspective, shading, different drawing media
- Design - elements and principles of design, learning to create effective compositions
- Painting - colour theory, colour mixing, different paint media
- Mixed-Media - collage, printmaking, stenciling, found materials

VISUAL ARTS 9 (MVA--09) and VISUAL ARTS: ART STUDIO 10 (MVA10)

This course is for Grade 9 and 10 students who would like to further develop and challenge their skills in making art. Art offers students an opportunity to express themselves in creative ways and to interpret the world around them through their own artmaking. This art course builds on techniques taught in Art 8 and goes into more depth and covers a greater variety of art forms such as:

- Drawing - lines, pattern, perspective, shading, graphite, charcoal, pastels, ink
- Design - elements and principles of design, learning to create effective compositions
- Painting - colour theory, colour mixing, different paint media
- Mixed-Media - collage, stamps, recycled, found materials
- Print-Making – block prints, relief prints
- Ceramics – intro to working with clay (offered in alternate years)

Different projects will be covered each year, so students are able to take this course in Grade 9 and again in Grade 10.

ART STUDIO 11/12 (FIBRE & FABRIC ARTS) (MVA11 or MVA12)

Open to: Grade 11/12 students

This course is taught in combination with Studio Art 2D 11/12. Students will explore traditional and contemporary fiber arts as an art form. Students will be encouraged to develop their creativity and skill set in a range of fiber arts such as:

- Weaving
- Natural Dyes
- Silk painting
- Embroidery
- Felting
- Printmaking on fabric
- Mixed media works on fabric

Different projects will be covered each year, so students are able to take this course in Grade 11 and again in Grade 12.

STUDIO ARTS 2D 11/12 (DRAWING & PAINTING) (MVA11 or MVA12)

Open to: Grade 11/12 students

The goal of this course is to understand the important role art plays in society, history, culture, and its relevance in our lives. Students will learn about the history of art and contemporary works of art. This course will include both teacher-assigned projects as well as opportunities for students to generate independent work. Students intending to apply to post-secondary art schools may want to use work from this course towards their portfolios. This course is designed to develop more advanced skills in making 2D art with a wide range of artistic media such as:

- Design – elements and principles of design, creating effective compositions.
- Drawing – lines, pattern, perspective, shading, still-life, portraits
- Painting – colour theory, acrylics, watercolours, landscape painting
- Print-Making – monoprints, block prints, collagraphs, stencils
- Mixed-Media – collage, stamping, found materials, altered books, fiber arts
- Guest artists and field trips may be included

Different projects will be covered each year, so students are able to take this course in Grade 11 and again in Grade 12.

STUDIO ARTS 3D 11/12 (CERAMICS) (MVAC-11 or MVAC12)

Open to: Grade 11/12 students

Humans have been using clay to create functional and decorative objects for over 20,000 years! Ceramics and sculpture are art forms that challenge artists to think and work with 3D space. The goal of this course is to understand the important role ceramics and sculpture play in our world and to develop skills in making 3D art. This course covers a variety of 3D art techniques such as:

- 3D Design - Line, shape, form, texture, balance, colour
- Clay Construction Techniques - Pinch pot, coil, slab, the pottery wheel
- Functional Objects: Cups, bowls, plates, vases
- Clay Surface Decoration - Glazing, under glazing and non-glaze techniques
- Sculpture - Mixed media, paper-mâché, plaster
- Guest artists and field trips may be included

Different projects will be covered each year, so students are able to take this course in Grade 11 and again in Grade 12.

VISUAL ARTS: PHOTOGRAPHY 9 & 10 (MAE—09PHO & MVAPH10)

Want to learn how to take great photos for your Instagram, always your family photographer, become a food blogger, or are interested in a new art form, photography 9 & 10 are here for you. Photography is a unique art form that captures images as artistic expression. Using high quality DSLR cameras, lighting equipment, green screens, Adobe Suite, self-made pin hole cameras, and more we will study the beginning basics of how to take a great photo. While studying the principles of design we look at contemporary and historical photography. Photography offers unique ways of exploring our identity and sense of belonging.

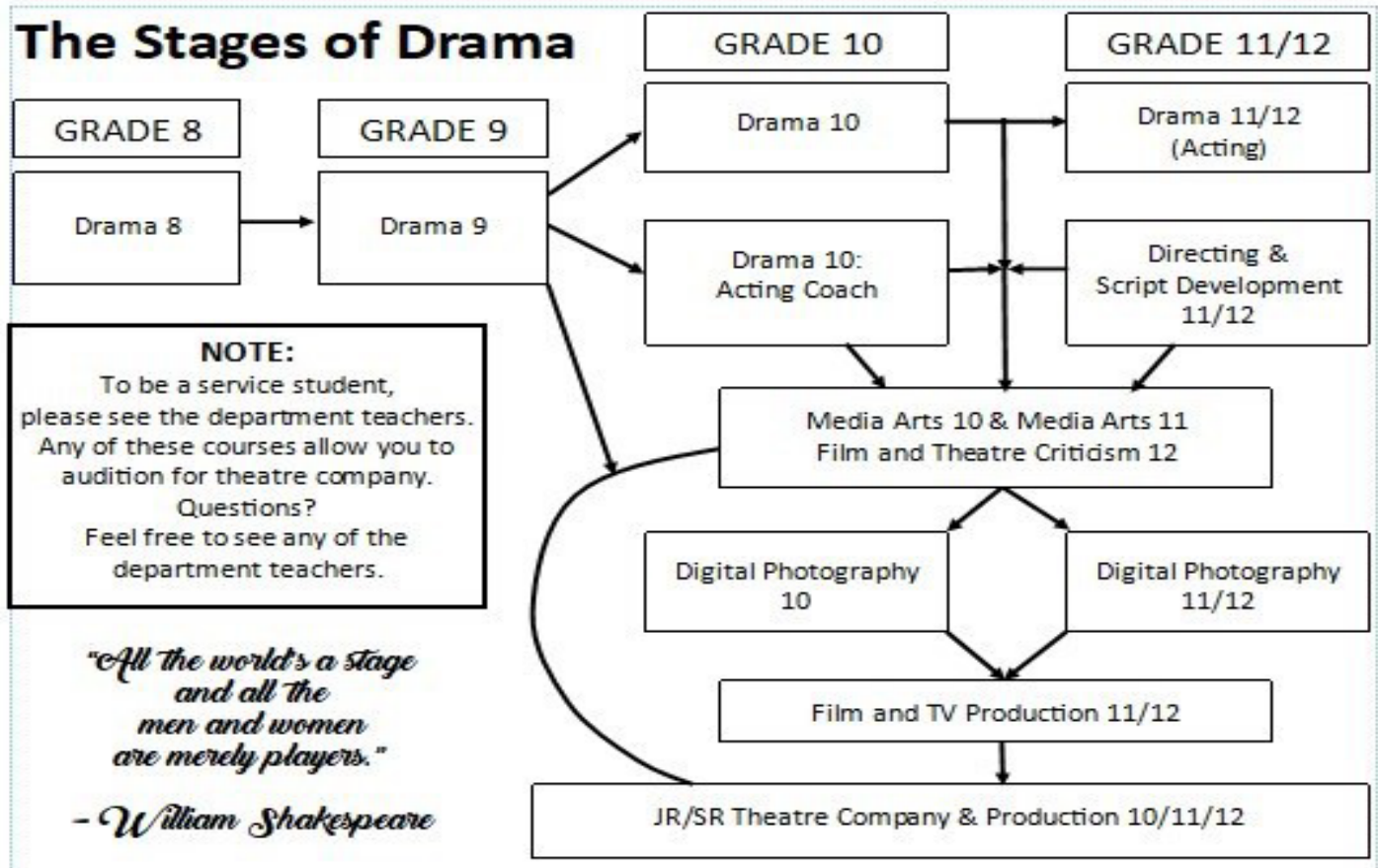
DIGITAL IMAGING & PHOTOGRAPHY 11 & 12 (MVAPH11 or MVAPH12)

Strongly recommended: some experience with cameras or Adobe Suite (Photo 10, Media Design, Graphics, Art)

Moving past the basics of photography we will move more into the editing, manipulation, and differing styles of photography. Units will revolve around developing personal imagery as well as addressing socially relevant issues in photography and media. Students will use high quality DSLR's, lighting equipment, green screens, collage, printing, Adobe suite and more. Students end portfolio may include self-portraits, landscapes, nature photography, photojournalism, pictures in ads and magazines, action shots, shadows / light multiplicity, double exposure, stop motion, Claymation, fashion, portrait, street, long exposure, and more!

Fine Arts – Theatre

Theatre Killarney is a family of students who work together professionally to perform scenes, plays and units in a performance setting. Moreover, students in the courses will have the opportunity to audition for the Mainstage Production, which includes 200 plus students both on stage and behind the scenes. In the spring, students will have the opportunity to direct, write or audition for our spring fever one act festival. Throughout the year, students will work with professionals, attend field trips and have the chance to attend planned and supervised Film and Theatre trips. We are proud to offer our students a safe and welcoming learning environment.



DRAMA 8 (MDR--08)

An interest in drama is all you need!

This course introduces students to the whole range of drama activities and builds confidence. This course is excellent for students who have an interest in building self-confidence and having fun learning the fundamentals of drama. Get ready to have FUN!

Course content includes:

- self-confidence
- basic improvisation
- theatre games and exercises
- Performance strategies
- Voice, movement
- Team building skills
- creative thinking and critical thinking
- beginning scene work and character creation
- Lots of FUN!!

DRAMA 9 (MDR--09)

An interest in drama is all you need!

Drama 9 is a second course in drama education. Excellent for beginning students who want to continue to build self-confidence. During the course, the students will learn something about the theatre but will probably learn more about themselves as beginning actors. The full year course will include group projects, guest workshop leaders, field trips and lots of fun and laughter.

What will be studied:

- exercises for voice, body, and story
- stage fighting/combat
- scene work/ team building
- Improv
- Mask work and commedia del'arte
- creation of character / stock characters
- Music videos
- Style
- Field trips
- Lots of FUN!

DRAMA 10: (MDRM-10)

An interest in drama is all you need!

Drama 10 is a transitional course for acting students who want to perform and develop theatre skills. Among the many interesting and entertaining areas to be studied are:

- drama leadership
- Script work & mini play performance
- drama games
- improvisation
- film acting
- masks
- realistic scenes
- stage fighting routines
- field trips
- Lots of FUN!

DRAMA 10: THEATRE PRODUCTION COACHING (YIPS-0A)

Requires: Permission of instructor

This course is for Grade 10, 11, and 12 students with a strong background in drama and acting who wish to develop and share their leadership and theatre skills with younger students. The coach works along with the teacher in a Grade 8 or 9 Drama class as a director, demonstrator, and group leader. As a teaching assistant, the coach assumes considerable responsibility and challenge.

Coaching is a valuable and rewarding experience for the student who has a particular interest in teaching, leadership and/or directing.

- Weekly themes on leadership
- Leading warmups
- Working with students in groups/building connections
- Creating a mini lesson
- Building your leadership and confidence
- LOTS OF FUN!

DRAMA 11 ACTING (MDRM-11)

Previous experience would be helpful but not needed. And an interest in theatre. For students who want to perform in front of audience members. This serious acting course includes the basic skills of:

- Improvisation & Theatre Sports
- Theatre games
- Team building
- Stylized & stage movement
- Voice training
- Theatre History
- Play-building
- One-act plays and much more!
- Field trips
- LOTS OF FUN!

DRAMA 12 ACTING (MDRM-12)

Previous drama or acting experience and asset but not needed and an interest in theatre. For serious acting students who want to perform in front of audience members. This course enhances all of the skills and areas outlined in Acting 11. In addition, students will participate in:

- Improvisation & Theatre Sports
- Theatre games
- Stylized & stage movement
- Advanced Voice training
- Theatre History
- Play-building
- One-act plays
- Field trips
- Leadership / directing and much more!

DRAMA: FILM & TELEVISION 11/12 (MDFT-11 or MDFT-12)

Open to grade 10-12

Want to star in your own version of The Office, write the next marvel sequel, or edit an indie film that will sweep TIFF. Well, you can learn to do it all in Film and TV! Film & TV 11/12 is a course which teaches students to bring stories to life through the visual arts. There are many aspects we learn together, then you can choose what you would like to focus on.

Options include:

- Scriptwriting
- Directing
- Acting on camera
- Cinematography (camera techniques and filming)
- Editing
- Sound design and more.

Every Friday will be flick Friday where we watch and analyze movies.

DRAMA THEATRE COMPANY 10/11/12 (MAINSTAGE) - (MDRTC10 / MDRTC11 / MDRTC12)

The course will be open to students in Grades 8 -12. This will be a course that students will audition/apply for and add to their timetable.

Theatre Company offers committed theatre students an opportunity to study and present many major theatrical works in a studio and mainstage setting. Students gain experience in the basics of theatre production and focus on a professional, repertory theatrical approach in the course.

The Theatre Company's focus will be major productions. The students will have to be committed acting students, prepared to invest a lot of extracurricular time into this course.

DRAMA PRODUCTION 10/11/12 (MAINSTAGE) - (MDRD10/MDRTP11/MDRTP12)

Open to all students in grades 8 to 12.

Theatre Production is a course that is open to all students enrolled in drama and who have an interest in the production side of performance. This leadership course focuses on design, tech, set and painting, costumes, hair and makeup, media, front of house, props and stage and production management. Students will work at a professional level and with adult mentors.

DIRECTING & SCRIPT DEVELOPMENT 11 (MDRDS11)

Focuses on writing, re-writing and directing theatrical works. Students will have many opportunities to be creative, communicative, and exploratory as they write scripts and direct scenes.

The course includes: Field trips, casting plays, Facilitating Play building, Writing and Directing dialogues, scenes and plays, and LOTS OF FUN!

Assessment differential based on grade level.

DIRECTING & SCRIPT DEVELOPMENT 12 (MDRDS12)

Builds on writing, re-writing and directing skills. Students will have opportunities to be creative, communicative and explore leadership opportunities as they write scripts and direct scenes.

The course includes: Field trips, Leadership opportunities, casting plays, Facilitating Play building, Writing and directing advanced dialogues, scenes and plays, and LOTS OF FUN!

MEDIA ARTS 10 (MVAM-10)

MEDIA ARTS 11 (MVAMT11)

MEDIA ARTS 12 THEATRE CRITICISM 12 (MVAMT12)

All courses are open to ALL students in Grade 10—12.

Students will be able to enhance their learning opportunities, beyond the classroom, attending and experiencing a variety of styles of theatrical, musical, media and cinematic productions performed and produced by amateur and professional companies throughout the lower mainland. Students will understand how media is influenced and shaped by our social and cultural experiences.

The students will learn and apply media skills to respond to works of art through digital (including media) and creative methods. Get ready for a year filled with fun and memorable experiences and becoming a critic of design and artistic elements.

Fine Arts – Music

Band

CONCERT BAND

The Killarney Band department offers students the privilege to learn an instrument and perform in a band ensemble. These performance-based courses will provide opportunity for students to:

- Acquire the knowledge and skill required to read and perform music in a traditional concert band
- Develop superior musical, technical, and social abilities as an individual and as an ensemble
- Study and play a wide variety of musical styles (classical, pop, military, and contemporary)
- Perform with confidence and passion in public concerts and festivals
- Represent the school in retreats, workshops, clinics, festivals, exchanges, and performance tours (both national and international)

There are five levels of Concert Band: Beginning, Junior, Intermediate, Symphonic Band and Wind Ensemble. Students who have not played a band instrument before should enter the Band program at Level One. Please refer to the chart at below for specific level information.

A balanced Concert Band is made up of many instruments: flute, oboe, clarinet, bassoon, saxophone, trumpet, French horn, trombone, euphonium, tuba, and percussion. The school owns a limited supply of these instruments which can be rented to families at a lower cost than would be found in a music store. Families may also choose to rent, rent-to-own or purchase an instrument from their local music shop on their own.

Students must be prepared to take part in occasional extra-curricular rehearsals and performances; specific times will be addressed as they arise. Also, **it is expected that students take part in the local performances scheduled throughout the year.**

Participation in performance tours is optional, but strongly encouraged.

WIND ENSEMBLE

The Wind Ensemble is comprised of students who are placed by skill ability rather than years of experience. It is open to students in Grades 9-12, and admission is based on a successful audition by the Band Director. There are a limited number of positions open for each instrument. Students who do not have a successful audition will be registered into the band that corresponds with their years of experience.

JAZZ BAND

Jazz Band is an additional music elective for students with two or more years of playing experience. Jazz band is enrichment to the main thrust of the band program and therefore, students must be enrolled in a Concert Band as well. Course work includes the study and performance of various jazz, rock, fusion, and contemporary arrangements. Students will also gain skills needed to understand and explore improvisation. Jazz music has specific challenges, but the outcome is very rewarding!

COURSE CODES

CONCERT BAND Levels:

LEVEL ONE - Beginning Band

No previous experience for students in any grade—

Music 8 Band Beginners (MMU--08BA1)

Music 9 Band Beginners (MMU--09BA1)

Music 10: Concert Band Beginner (MMUCB10--1)

LEVEL TWO - Junior Band

At least one-year experience or equivalent in private lessons or summer school or elementary school band program

Music 8 Band Junior (MMU--08BA2)

Music 9 Band Junior (MMU--09BA2)

LEVEL THREE - Intermediate Band

At least two years' experience

Music 9 Band Intermediate (MMU--09BA3)

Instrumental Music: Concert Band 10 Intermediate (MMUCB10--3) *

LEVEL FOUR - Symphonic Band

At least three years' experience

Instrumental Music: Concert Band 10 Symphonic Band (MMUCB10--4)*

Instrumental Music: Concert Band 11 Symphonic Band (MIMCB11--4)

Instrumental Music: Concert Band 12 Symphonic Band (MIMCB12--4)

WIND ENSEMBLE

By successful audition.

Music 9 Wind Ensemble (MMU--09WD1) (By permission of the teacher)

**Instrumental Music:
Concert Band 10 Wind Ensemble
(MMUCB10--5) ***

**Instrumental 11: Concert Band Wind Ensemble
(MIMCB11--5)**

**Instrumental Music 12: Concert Band Wind Ensemble
(MIMCB12--5)**

JAZZ BAND

Music 9: Band Jazz (MMU--09JB1)

Instrumental Music: Jazz Band 10 (MMUJB10)

Instrumental Music 11: Jazz Band 11 (MIMJB11)

Instrumental Music 12: Jazz Band 12 (MIMJB12)

Composition & Technology

PIANO SKILLS 10

This course assumes that the student has little or no prior knowledge of playing the piano. Students will be taught in our Digital Music Technology Lab, using the Roland EM55 pianos. These keyboards are capable of reproducing the sounds of 3,600 instruments including: piano, organ, guitar, voices, ethnic sounds, orchestral strings, woodwinds, brass, and percussion.

Using the technology, students will create full, professional-sounding performances that include melody, harmony and rhythm. Student will record their playing onto floppy disk and ultimately transfer the recordings to CD format.

In Pop Piano, students will:

- Learn the principles and language of music
- Learn piano skills with an emphasis on right-hand (treble clef) melody note reading and left-hand “single fingered” accompaniment
- Learn the features of electronic piano keyboards and real-time digital recordings
- Practice and record their songs along with pre-recorded back-up bands
- Learn to create their own back-up tracks in many styles
- Practice in the privacy of their own keyboard station, listen on headphones

CONTEMPORARY MUSIC 10 PIANO SKILLS (MMUCM10SC2)

Students DO NOT need to have a keyboard at home— ALL work will be done in class.

Further courses in Music Technology: MCT11 and MCT12

PIANO SKILLS 11 / 12

MCT classes are held in our Digital Music Technology Lab, using the Roland EM55 keyboards.

In order to explore the exciting world of digital music, the MCT courses cover three key components:

Music—the core of the MCT classes. NOTE: There is no previous piano skill required for this course. Students will enrich their piano skills and study the various musical structures in class. *For those students who have piano skills (Gr. 3 or higher), we offer the Advanced MCT class.*

Composition—which involves learning how to write and arrange songs. Using simple ideas, students will come up with their own renditions of songs.

Technology—used throughout the course, not only as a tool to learn music and recording music, creating MIDI files, burning music CDs, downloading music files from the Web, and performing music using an audio system.

In the MCT courses, students will:

- Learn basic piano keyboard skills and music reading
- Learn to play up to 100 styles of music from classics to today’s pop
- Use the keyboard to produce amazing back-up and karaoke tracks
- Produce in-class performances of digital music
- Learn to record music through multi-tracking, sequencing on the keyboard, as well as Minidisk and CD recording
- Download MIDI-files from the Web and turn them into sheet music
- Learn composition and arranging techniques
- Create sound effect stories and radio commercials
- Use a variety of technological tools to create and explore music

MUSIC: COMPOSITION & PRODUCTION 11/12 (MMUCP11 or MMUCP12)

Prerequisite: None

These courses are designed for students with little or no piano skills. Highly recommended as an additional course for Killarney music students.

Prerequisite:

Grade 3 or higher in piano studies

Choir

MUSIC 8 CHOIR (MMU--08CC1)

No experience necessary, and everybody is welcome! Improve your singing and confidence, make great friends, and perform in a group! Learn songs in many styles, learn to sing in harmony, learn music reading skills, and more!

MUSIC 9 CHOIR (MMU--09CC1)

No experience necessary and everybody is welcome! Improve your singing and confidence, make great friends, and perform in a group! Learn songs in many styles, learn to sing in harmony, learn music reading skills, and more!

CONTEMPORARY MUSIC: ADVANCED TREBLE CHOIR (MMUCM10SC1, MMUCM11 OR MMUCM12)

Improve your singing and confidence, make great friends, and perform in a group! Learn songs in many styles, learn to sing in harmony, learn music reading skills, and more! Soprano and Alto voices looking for more challenging repertoire and a higher level of singing. You need at least one year of choir and a successful interview/placement from the teacher. Please see Ms. Reimer if you are new to choir before registering.

SENIOR CHOIR 10/11/12

Choral Music: Concert Choir 10 (MMUCC10--2), Choral Music 11 (MCMCC11), Choral Music 12 (MCMCC12). No experience necessary, and everybody is welcome! Improve your singing and confidence, make great friends and perform in a group! Learn songs in many styles, learn to sing in harmony, learn music reading skills, and more!

MIXED CHAMBER CHOIR (SATB) 10/11/12:

Choral Music: CHAMBER CHOIR 10 (MMUCH10) Choral Music: CHAMBER CHOIR 11 (MMUCH11) Choral Music: CHAMBER CHOIR 12 (MMUCH12)

Prerequisite: Learn advanced singing techniques through more challenging repertoire in faster-paced classes. You need at least one year of choir and a successful interview/placement from the teacher. Please see Ms. Reimer if you are new to choir before registering.

Strings

All students are required to take part in all scheduled events.

STRINGS

Killarney Strings is a highly acclaimed program dedicated the finest instruction, opportunities and experiences. Strings gives students the opportunity to learn and perform in a string orchestra.

Students will learn:

- Technical knowledge to play a string instrument i.e., Violin, Viola, Cello, Double bass.
- Skills to read and interpret music
- Teamwork skills to work as a group for superior performances
- Study many styles of music including the social contexts of the music
- Create and recognize artistry

***1 Piano Player, 2 Percussionists and 2 Stage Managers are also accepted into each class. See Mr. Urquhart to find out if this is appropriate for you.

Killarney Strings performs locally, nationally and internationally. They have recently performed in Los Angeles, Disney Land, Montreal, Quebec City, Seattle, Victoria, and taken part in Music Monday, Kiwanis Festivals, and partnered with orchestras from around the world.

The opportunities that come out of this program are limitless and amazing. The shared experiences with your classmates are some of the most memorable and powerful experiences of your high school career. Great music and great friendships lead to a wonderful and meaningful time in Killarney Strings.

There are five levels of strings: Beginner, Junior, Intermediate, Senior and Honour. See Mr. Urquhart for appropriate placement.

Students are required to take part in all scheduled performances throughout the year.

GUITAR

There is one guitar class offered for all levels from beginner to advanced. Open to all students Grade 9-12. This course will teach skills on the guitar including strumming, picking, chords, melodies.

- *Music 9 Guitar (MMU--09GR1)*
- *Instrumental Music: Guitar 1 (MMUGT10)*
- *Instrumental Music 11: Guitar (MIMG-11)*
- *Instrumental Music 12: Guitar (MIMG-12)*

LEVEL—1—BEGINNER STRINGS

Prerequisite: None

No previous experience required

- **Music 8 Strings Beginners (MMU--08ST1)**
- **Music 9 Strings Beginners (MMU--09ST1)**
- **Orchestra 10 Beginners (MMUOR10--1) ***
- **Instrumental Music 11: Orchestral Strings Beginners (MMUOR11--1)**
- **Instrumental Music 12: Orchestral Strings Beginners (MMUOR12--1)**

LEVEL 2—JUNIOR STRINGS

Played in Elementary School or placement by Mr. Urquhart

- **Music 8 Strings Advanced (MMU--08ST3)**
- **Music 9 Strings Junior (MMU-09ST3)**
- **Instrumental Music: Orchestra 10 Junior (MMUOR10--3)**
- **Instrumental Music 11: Orchestral Strings Junior (MMUOR11--3)**
- **Instrumental Music 12: Orchestral Strings Junior (MMUOR12--3)**

LEVEL 3—INTERMEDIATE STRINGS

Move up from Level One or Two by placement by Mr. Urquhart

- **Music 9 Strings Intermediate (MMU--09ST2)**
- **Instrumental Music: Orchestra 10 Intermediate (MMUOR10--2) ***
- **Instrumental Music 11: Orchestral Strings Intermediate (MMUOR11--2)**
- **Instrumental Music 12: Orchestral Strings Intermediate (MMUOR12--2)**

LEVEL 4—SENIOR STRINGS

Move up from Level 2/3, or by placement by Mr. Urquhart

- **Music 9 Strings Senior (MMU--09ST4)**
- **Instrumental Music: Orchestra 10 Senior (MMUOR10--4)**
- **Instrumental Music 11: Orchestral Strings Senior (MMUOR11--4)**
- **Instrumental Music 12: Orchestral Strings Senior (MMUOR12--4)**

LEVEL 5—HONOUR STRINGS

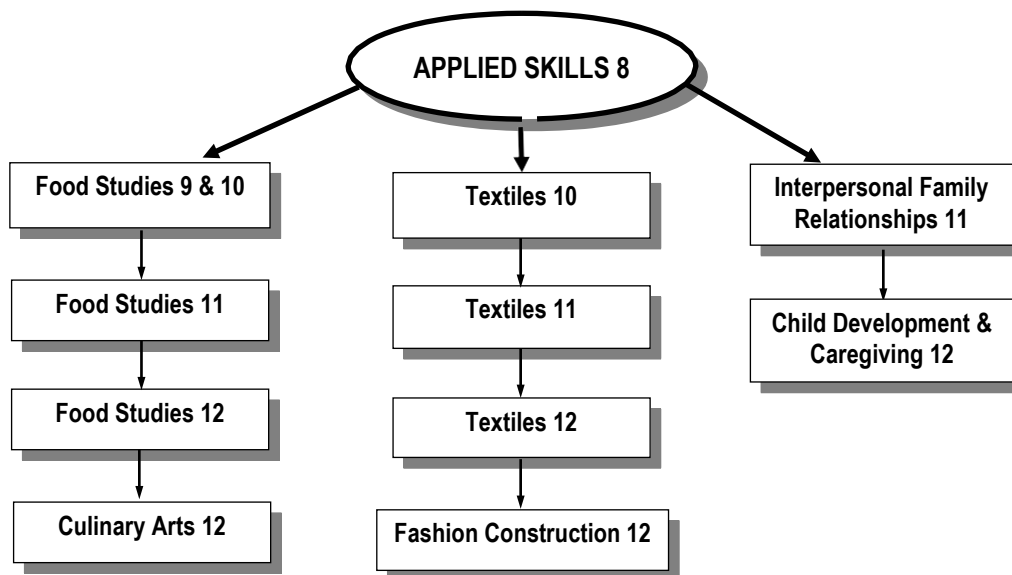
Move up from Level 4, or by placement by Mr. Urquhart

- **Music 9 Strings Honours (MMU--9ST5)**
- **Instrumental Music: Orchestra 10 Honours (MMUOR10--5) ***
- **Instrumental Music 11: Orchestral Strings Honours (MMUOR11--5)**
- **Instrumental Music 12: Orchestral Strings Honours (MMUOR12--5)**

ALL STUDENTS MUST BE PREPARED TO TAKE PART IN EXTRA-CURRICULAR REHEARSALS AND PERFORMANCES AS THEY OCCUR IN ALL COURSES.

Home Economics

Killarney Home Economics Courses



See your Home Economics teacher for further information.

APPLIED SKILLS 8

Home Economics is one of three sections of the Applied Skills rotation. The Home Economics course is divided into two parts: Foods Studies and Textiles.

In Food Studies, students develop basic food preparation. Healthy eating habits, nutrition and safety are emphasized throughout the course.

In Textiles, students will learn how to use a sewing machine safely. Students will create and keep a basic sewing project (e.g.: fabric tote bag, apron, stuffed toy).

Lab fee applies.

TEXTILES 9 & 10 (MADT-09 & MTXT-10)

In this course, students will learn the basics of using commercial patterns and sewing techniques to sew projects for practical personal use. This may include pajamas, sweatshirts or fleece jackets, and more complicated garments; alongside smaller projects such as tote bags and textile craft pieces. The number of projects completed will depend on each student's speed and commitment; most will complete 3-4 projects.

In addition to a studio fee for basic supplies in class, students will be responsible for purchasing their own fabrics, patterns, and notions for each project.

TEXTILES 11 (MTXT-11)

This is an intermediate course in which students will have the opportunity to work with more challenging fabrics and patterns. Students will sew clothing such as shirts, blouses, jackets, pants, skirts, dresses, exercise wear, sleepwear and accessories. Students will use the sewing machine and serger. The number of projects varies from 3-5 depending on the student's interest and skills.

In addition to a studio fee for basic supplies in class, students will be responsible for purchasing their own fabrics, patterns, and notions for each project.

TEXTILES 12 (MTXT-12)

This is an advanced course in sewing and tailoring. Students are introduced to basic fashion design and in modifying commercial patterns to fit their own style. Students may proceed to creating their own patterns. At least 3 garments will be made, and depending on student's sewing rate, more may be accomplished. Students will be encouraged to sew with more challenging fabrics and designs, including but not limited to, formal wear, casual wear, and accessories. *In addition to a studio fee for basic supplies in class, students will be responsible for purchasing their own fabrics, patterns, and notions for each project.*

BA FASHION CONSTRUCTION —ADVANCED 12 (YVHE-2D)

This course is for students who would like to take an additional year of Clothing & Textiles 12. *In addition to a studio fee for basic supplies in class, students will be responsible for purchasing their own fabrics, patterns, and notions for each project.*

ADST—FOOD STUDIES 9 & 10 (MADFS09 & MFOOD10)

Open to: Grades 9 and 10

This course will teach you to do more than survive in the kitchen. You will create tasty snacks and learn how to prepare the three major meals of the day: breakfast, lunch, and dinner. Food safety, sanitation and equipment skills will be included in lab work which together, with written assignments and tests, will make up the course mark. *Lab fee applies.*

FOOD STUDIES 11 (MFOOD11)

Recommended: Food Studies 10

Further develop your culinary skills by exploring different cultures and cuisines around the world. You will create sweet and savoury dishes from North America, Asia and Europe. Course marks are determined by lab work, written assignments, projects and tests. Lab fee applies.

FOOD STUDIES 12 (MFOOD12)

Recommended: Food Studies 11

Refine your culinary skills and practice advanced techniques to create everything from budget-friendly meals to fancy appetizers. Cook with local foods, learn to plan complex meals for various nutritional needs, talk about global food issues, and discuss current culinary trends. This course is made up of labs, written assignments, and projects. Lab fee applies.

CULINARY ARTS 12 (MCUL-2C)

Recommended: Food Studies 12

This course is for students who would like to further challenge themselves in the culinary arts and take an additional year of Foods in their Grade 12 year. This course will focus on creating beautiful pastries, breads, and meals. This course is made up of labs, written assignments, and projects. Lab fee applies.

INTERPERSONAL AND FAMILY RELATIONSHIPS 11 (MIAFR11)

The aim of this course is to provide a broad overview of how relationships form and change. You will explore a variety of relationships, including friendships, family relationships, work relationships, and committed relationships, as well as examine how these relationships evolve or end. This course will also provide an overview on effective communication, wellness, and safety in interpersonal relationships. You will examine the variety of ways people communicate and describe components of healthy and unhealthy relationships.

Note: Interpersonal and Family Relationships 11 AND Child Development and Caregiving 12 are taught together, rotating between an A and B curriculum.

CHILD DEVELOPMENT AND CAREGIVING 12 (MCDAC12)

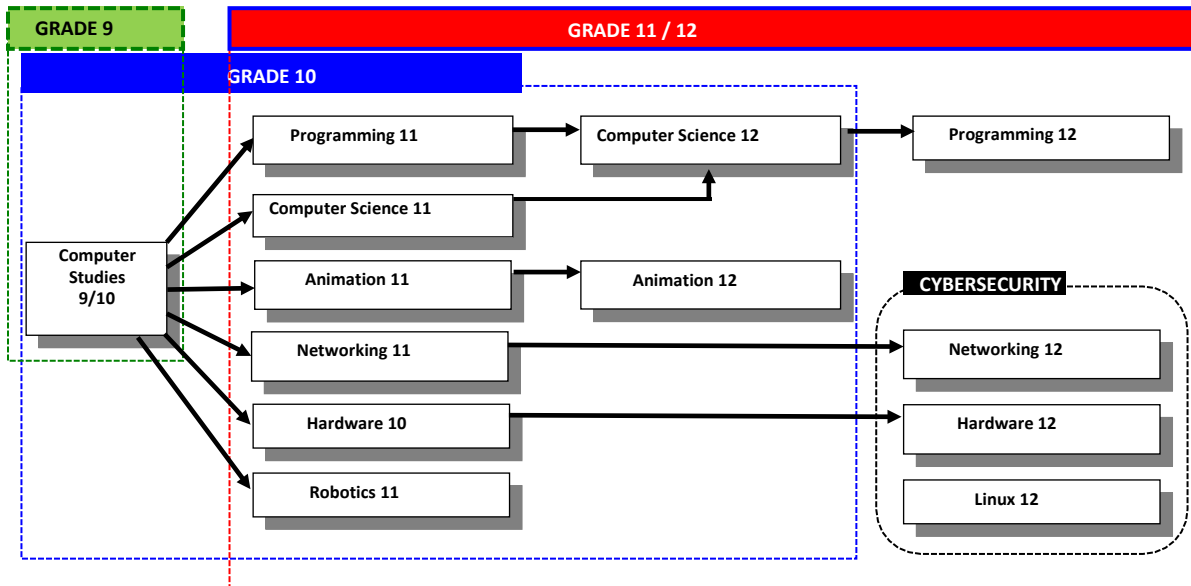
This course provides an in-depth study of human growth, behavior and development. Students will explore the life cycle from birth to death, learn about different theories of child development, caregiving styles and how and why theories change over time. Students will examine the issues challenging today's families and the cognitive, social, physical, emotional, and psychological development of the individual within the family.

Students will have the opportunity to take home an infant simulator for their Baby Project. Students will also have the opportunity to observe and mentor elementary school children.

This is a great course for students who are interested in careers in childcare, health service, and education.

Note: Interpersonal and Family Relationships 11 AND Child Development and Caregiving 12 are taught together, rotating between A and B curriculum.

Information Technology



ADST—COMPUTER STUDIES 9/10 (MCSTU10)

Strongly recommended to have successfully completed: Math 8 and Science 8

This is a fun entry level course combining a mix of hardware, programming, computer science, networking and animation.

- Programming Apps, Micro bits, and Arduinos
- 3D Animation
- Introduced to Python, HTML, CSS and JavaScript, Arduinos use C++
- Circuit design and Boolean logic
- Graphics programming using Processing
- Install RAM, hard drives and investigate new computer builds

Note: No prior experience is necessary.

COMPUTER HARDWARE & SOFTWARE 10 (YCAIS0B)

Strongly recommended to have successfully completed: Math 8

Gain the knowledge and experience you need to repair, upgrade or build your own computer. This is a hands-on class with many labs focusing on every part of a computer build. You will learn how to take apart and build computers. You will study every step involved in building a computer, from sourcing components and purchasing components, putting the system together, installing the drivers and testing the new system. You will also learn how to do cool things in Windows.

DIGITAL COMMUNICATION 11 (ANIMATION 11) (MDCOM11)

Strongly recommended to have successfully completed: Math 10 or Computer Studies 10

Introduction to 3D animation using Maya. Create a lip sync for your favourite song using a 3D rig. Learn how to apply the principles of animation for poses, pose to pose animation, a ball bounce and walk cycle. Build your dream home and model a 3D character. In addition, animate particles to create explosions and other special FX.

DIGITAL MEDIA DEVELOPMENT 12 (ANIMATION 12) (MDMD-12)

Strongly recommended to have successfully completed: Animation 11

Vancouver is one of the top three cities for digital animation with over 60 studios. Why wait to begin your animation career? Start creating your portfolio now. In Animation 12, you will expand upon your knowledge of 3D animation and

modeling. You will create short movies, further enhancing your abilities. You will design an animation for a given sound clip, animate a dance, learn about constraints and further your knowledge of the principles of animation by studying exaggeration and appeal. If you have no prior experience in animation, you will follow the curriculum for Animation 11.

Students will be able to work on their portfolios for scholarships or entrance requirements.

ICT: COMPUTER PROGRAMMING 11 (MCMPR11)

Strongly recommended to have successfully completed: Math 10 or Computer Studies 10

Learn how to create a website like Reddit or Facebook. You do not need to have any prior experience in programming. The skills that are covered in this course can be transferred to a large variety of different types of jobs. You will learn the basics of HTML, CSS, JavaScript, PHP and MySQL (database).

COMPUTER SCIENCE 11 (MMACS11)

Strongly recommended to have successfully completed: Math 10 or Computer Studies 10

Introduction to Computer Science. No previous programming abilities are required. Topics that will be covered are:

- Introduction to Artificial Intelligence
- Image manipulation
- Web data extraction
- Algorithms
- Creating functions
- Arrays
- Files

BA CISCO NETWORK MANAGEMENT 11 (YCAIS1C)

Strongly recommended to have successfully completed: Math 10

Learn the basics of cybersecurity and networking. There will be hands on labs, where you will set up networks and use some hacking software to create better protected systems. You will be able to access another person's computer and make changes to them, with or without them being able to see you do it. You will make your own ethernet cables and use them to set up and test networks. Networking 11 content covers the hardware, software and protocols required to operate in today's networks. There is a lab fee required to cover the hardware such as cabling and connectors.

ADST – ROBOTICS 11 (MTROB11)

Strongly recommended to have successfully completed: Minimum 73% in both Math 10 and Science 10. MCMPR11 or MMACS11 is a pre- requisite or co-requisite course.

Design and build your own competitive robot. No prior experience necessary. Concepts from Physics, Programming and Engineering are blended together to create a functional robot. Creativity, teamwork, project development and communication are also necessary.

HARDWARE 12 (YCAIS2B)

Strongly recommended to have successfully completed: Hardware 10 or any Math 11

Students will learn how to repair, build, and troubleshoot computers while preparing for the A+ certification exams. This is an advanced Computer Hardware class which will prepare them to pass these internationally recognized exams. They will be able to install RAM, hard drives, power supplies and motherboards.

In addition, they will learn how to properly maintain their computers to avoid malware attacks, recover data and restore to a prior system state. Furthermore, they will be able to source components, configure and build a computer based on system requirements. Students will construct a SOHO network.

In doing so, they will learn how to set up a router, have the computers interact with each other, as well as share services and devices. Lab activities are an essential component of the course. Students having hands-on experience with the hardware and software will impact their understanding and troubleshooting abilities. This course is part of the CISCO District IT program.

COMPUTER SCIENCE 12 (MMACS12)

Strongly recommended to have successfully completed: Computer Science 11 or Programming 11

Discover how to write better code, work with different data structures, and do more things with it, like cryptography, file manipulation, and create images with code.

BA LINUX 12 (YCAIS2H)

Strongly recommended to have successfully completed: Computer Studies 10 or any Math 10 course

Learn how to become a systems administrator to the world's most popular and diverse operating system for servers. Linux is freeware, allowing users to customize their own versions and distribute it to anyone. In this course you will learn how to create users, share directories, restrict access to users, bash scripting, and security. Learn how to hack or protect your system from getting hacked. Other topics will include setting up web servers, security, regular expressions, creating your own commands and how countries use technology to attack each other.

NOTE: On average, IT professionals who can use Linux earn more than those who don't.

ICT: COMPUTER PROGRAMMING 12 (MCMPR12)

Strongly recommended to have successfully completed: Computer Science 12

This course will focus on more advanced topics in Computer Science. We will cover Artificial Intelligence topics, Data Science and Machine Learning! Work with big data. Learn how to teach a computer how to identify images correctly on its own! This course will cover an industry standard programming language that is being used at the post-secondary level and the Information Technology field.

CISCO DISTRICT IT ACADEMY PROGRAM

Networking Academy Program is a one-year cohort program offered to students in Grade 12 on Day 2 at Killarney Secondary School that allows students to save about \$1700 and get credit for BCIT courses. The program consists of the following courses:

- Hardware 12
- Linux 12
- Programming 11
- Networking 12

BA CISCO NETWORK MANAGEMENT 12 (YCAIS2F)

Strongly recommended to have successfully completed: Math 10 or Computer Studies 10

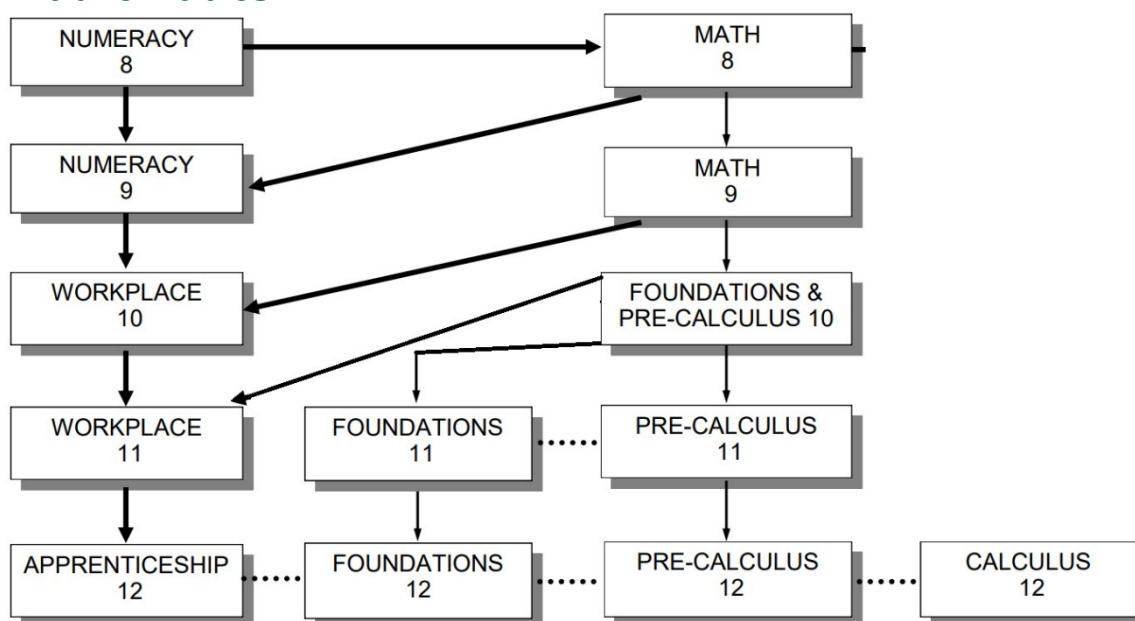
Networking 12 builds upon the curriculum covered in Networking 11 to further develop a student's understanding of digital communication. Networking 12 covers routing protocols, switching technologies, VLANs. Networking 11 is a prerequisite, and it is recommended that the student complete Math 11 before entering this course. The completion of Networking 11 and Networking 12 may lead to the international networking standard Cisco Certified Network Associate (CCNA) Certification. There is a lab fee required to cover hardware such as cabling and connectors.

CYBERSECURITY

Cybersecurity has become one of the fastest-growing segments in technology. Gain an understanding of the technology and security techniques to protect yourself. By taking a combination of IT courses at Killarney, you will develop the skills to be more proficient with cybersecurity and be part of a new group of IT students at Killarney. These courses are:

- Networking 11
- Networking 12
- Hardware 12
- Linux 12

Mathematics



PREAMBLE

Mathematics is an integral part of human experience and is a necessary requirement for all citizens to function productively in society. Also, important is the human satisfaction that arises from an understanding of mathematics as an extension of the concrete world. For these reasons, mathematics is an important component of education and, as such, it should be the right of every student to receive mathematics instruction appropriate to his or her needs and abilities.

Students are asked to demonstrate conceptual understanding concretely, pictorially, and symbolically using the mathematical processes of communicating, connecting, mental math estimation, problem-solving, reasoning, technology, and visualization.

GOALS

The goals of our mathematics program at Killarney are consistent with those set forth by the Ministry of Education. These are that the curriculum will provide:

- The mathematics necessary to function in society;
- The mathematics necessary to engage in life-long learning;
- The mathematics necessary to pursue further formal study in mathematically related areas;
- The opportunity to develop skills in logical analysis and to present problem solutions in a clear and precise manner.

COURSE SELECTION

Killarney's Mathematics Department offers a variety of courses designed to meet the needs of all students. You will be assisted by your present mathematics teacher in choosing appropriate mathematics courses for the following year. Ask your mathematics teacher if you have any concerns about your choice of courses available.

In selecting your courses in mathematics, remember the following:

Your choices should be appropriate for your long-range goals and realistic in relation to your present level of achievement.

CALCULATORS

The mathematics curriculum of B.C. is designed to enable students to make use of calculators in the development of their understanding of concepts and in problem solving. Each student is required to have their own calculator. The school has limited supply of (graphing) calculators for in class use.

GRADE 8

MATH 8 (MMA—08)

This course builds on mathematics basics learned in elementary grades. Topics include further work on fractions, rate, ratio, percent, algebra, exponents, ordered pairs, graphing, basic data graphing/analysis, central tendency, theoretical probability, and financial literacy.

Grade 9

MATH 9 (MMA--09)

Strongly recommended: Successful completion of Math 8.

This course builds on the mathematics basics learned in Mathematics 8. Topics include square roots, exponents, rational numbers, linear relations and equations, inequalities, polynomials, similarity and scale factors, statistics, and financial literacy.

NUMERACY 9 (MMA--09CO1)

Numeracy 9 is a course that is available for only Grade 9 students who could use some time strengthening the fundamental skills to be successful in high school math. After completion of this course and depending on the skills the student has mastered, they will either go into Math 9, Workplace 10, or Foundations of Math & Pre-Calc in the following school year.

Grade 10

FOUNDATIONS OF MATHEMATICS & PRE-CALCULUS 10 (MFMP-10)

Strongly recommended: Successful completion of Mathematics 9 OR Numeracy 9 with a teacher recommendation. This course is designed for most students in Grade 10.

This option is designed to provide students with the Mathematical understanding and critical thinking skills identified for post-secondary academic students at colleges and universities. Topics include surface area and volume of 3-D objects, applying trigonometric ratios to right triangles, irrational numbers, powers involving integral and rational exponents, polynomials, and coordinate geometry with linear relations, systems of linear equations, and function notation. This course is designed for most students in Grade 10.

WORKPLACE MATHEMATICS 10 (MWPM-10)

Strongly recommended: Successful completion of Numeracy 9 or completion of Mathematics 9 with a satisfactory level of achievement, and a teacher recommendation. This course is the first course in the Apprenticeship and Workplace stream. The Apprenticeship and Workplace stream is aimed to provide a background for students interested in pursuing most Apprenticeship programs after high school. It is also accepted as an entrance requirement to many other post-secondary institutions.

This option is designed to provide students with the Mathematical understanding and critical thinking skills identified for most apprenticeship programs and for direct entry into the work force. Topics include understanding and applying the metric and imperial systems to the measurement of 2-D and 3-D objects, geometry and trigonometry, and the fundamentals of income, spending, and debt. All topics are taught within a framework of problem-solving.

**Pre-Calculus
Foundations of Mathematics
Workplace/Apprenticeship Mathematics**

It is important that students choose their options carefully, ensuring that it is realistic in relations to their present level of achievement and interests, as well as their long-range post-secondary goals. Students can take one or more of the Grade 11 math courses during the same year.

Successful completion of one of these courses at the “11” level is required for graduation.

Grade 11

PRE-CALCULUS is an option designed for students whose post-secondary goals might include the study of Calculus. It is a requirement for entry to all science and engineering programs.

FOUNDATIONS OF MATHEMATICS is an option designed for most students whose post-secondary goals do not include the study of Calculus or sciences.

APPRENTICESHIP AND THE WORKPLACE is an option designed to provide students with the Mathematical understanding and critical thinking skills identified for most apprentice- ship programs and for direct entry into the workforce.

FOUNDATIONS OF MATH & PRE-CALCULUS EXTENDED (MFMP10 or MPREC11)

These courses are an option that runs every day over the entire school year. They are intended for students who have encountered difficulty in the previous year and therefore would have math in each semester. MFMP10 or MPREC11 Extended is by invitation only.

PRE-CALCULUS 11 (MPREC11)

Strongly recommended: Successful completion of Foundation & Pre-Calculus 10 (MFMP-10)

Algebra and Number: absolute value, radicals, rational expressions, Trigonometry: Unit circle, cosine and sine laws

Relations and Functions: quadratic functions, factoring, graphing, arithmetic and geometric sequences, reciprocal function

FOUNDATIONS OF MATHEMATICS 11 (MFOM-11)

Strongly recommended: Successful completion of Foundation & Pre-Calculus 10 (MFMP-10)

Forms of mathematical reasoning. Graphical analysis: linear inequalities, quadratic functions, systems of equations, optimization. Applications of statistics. Scale models. Financial literacy. Research project.

WORKPLACE MATHEMATICS 11 (MWPM-11)

Strongly recommended: Successful completion of Apprenticeship and the Workplace 10, OR Foundations & Pre-Calculus 10 with a teacher recommendation.

Measurement: unit conversion (SI and Imperial), Algebra: surface area, volume, slope and rate of change, finance charges, proportional reasoning and unit analysis, Geometry: scale, triangles, model and draw 3-D objects and Statistics: interpreting graphs Number: numerical reasoning, financial math, and credit options.

Grade 12

PRE-CALCULUS 12 (MPREC12)

Strongly recommended: Successful completion of Pre-Calculus 11

FOUNDATIONS OF MATHEMATICS 12 (MFOM-12)

Strongly recommended: Successful completion of Foundations of Mathematics 11.

APPRENTICESHIP MATHEMATICS 12 (MAPPR12)

Strongly recommended: Successful completion of any Math 11 course

CALCULUS 12 (MCALC12)

Strongly recommended: Completion of Pre-calculus 11 with minimum B standing AND concurrent enrollment in Pre-Calculus 12 or completion of Pre -Calculus 12 with minimum C+ standing.

This course is designed for students planning to enroll in Commerce, Science or Engineering programs at the post-secondary level. The course provides thorough preparation for university calculus. Students may choose to write examinations that offer the opportunity of advanced placement and course credit at the university level.

CALCULUS 12 INTRODUCTORY (MIDS-2F)

Strongly recommended: Completion of Pre-calculus 11 with less than B standing AND concurrent enrollment in Pre-Calculus 12 or completion of Pre-Calculus 12

This preview course is designed for students who are planning to enroll in Arts, Commerce, Science, Engineering, or other programs at the post-secondary level and require First Year Calculus, but who may not wish to take the more rigorous course. Students would be learning topics covered in university calculus at an introductory level. Note: Students enrolled in this course will NOT get credit for the regular Calculus 12 course, but rather, a Grade 12 Independent Study 2-credit course.

Modern Languages

The aim of Modern Languages education is to develop communication skills and promote life-long learning and positive attitudes that encourage awareness and understanding of cultural diversity.

The Modern Languages curriculum is based on the Core Competencies with an emphasis on the Communication Competency. This approach encompasses language abilities that students need to impart and exchange information, experiences, and ideas and to communicate in meaningful real-life situations. All courses balance the four language skills of listening, speaking, reading, and writing with emphasis on communication over mastery. A cultural component involves using different learning styles from diverse cultures as well as exploring authentic francophone and aboriginal documents, literature, cinema, music, and cuisine. Assessment includes formal and informal evaluation of language skills as well as self-reflection of individual progress.

The Killarney Modern Languages Department offers second languages (French, Spanish, Japanese) with curriculum designed for students with **little or no** previous knowledge or ability to speak that language. The second language class is **not** designed to meet the needs of those students who have learned a heritage language or acquired the target language in an immersion setting. Services for these levels are provided elsewhere. For students coming from French Immersion or Intensive French, a challenge assessment can be provided to determine the appropriate level class.

CORE FRENCH 8 (MFR--08)

An introductory level course which offers basic French vocabulary and structures involving themes such as: personality and physical traits, friendships, hobbies and interests and travel. Students will be introduced to authentic documents used in the francophone world to familiarize them with the language and enable them to communicate at a basic level.

CORE FRENCH 9 (MFR--09)

This course continues the development of communication skills using and exploring real life situations and experiences. Students will be encouraged to share opinions and ideas in situations involving pair and small group activities. This program's grammatical concepts are associated with themes such as food, cultural excursions, and music. Completion of French 8 is strongly recommended prior to this course.

CORE FRENCH 10 (MFR--10)

Learning situations are based around high interest themes such as friendship, movies, and shopping. Students will increase their level of communicative competence with a continued emphasis on oral skills. Completion of French 9 is strongly recommended prior to this course.

CORE FRENCH 11 (MFR--11)

This senior level course is still based on communication with extended grammar and content areas in order to develop language in a more sophisticated manner. Students are encouraged to increase their abilities to communicate in French in context, to achieve positive attitudes about using French and to develop an understanding and appreciation of Francophone and Aboriginal culture.

This course deals with a variety of themes including ethnic foods, childhood memories, advertising, stress and facing challenges. Completion of French 10 is strongly recommended prior to this course.

CORE FRENCH 12 (MFR--12)

This advanced course extends the communication skills previously employed in French 8 through 11. Students work on expressing themselves clearly and correctly in both oral and written French using a variety of resources. Students are presented with a more varied and sophisticated vocabulary, advanced grammatical concepts as well as literature selections. The content of this course focuses on the ability to comment on relevant issues such as graduation, career planning and future goals in addition to providing cultural exposure to the arts, literature, cinema, and travel. Completion of French 11 is strongly recommended prior to this course.

INTRODUCTORY JAPANESE 11 (MBJA-11)

For students enrolled in Grades 9, 10, 11 or 12.

This introductory course is designed to give students a basic knowledge of the Japanese language. The course will help students develop fundamental skills in all four aspects (reading, writing, listening, and speaking). The students will learn how to read and write both Hiragana and Katakana. They will also acquire knowledge of Japanese customs and culture.

JAPANESE 11 (MJA--11)

Introductory Japanese 11 or equivalent knowledge of the Japanese language is strongly recommended prior to taking this course. Japanese 11 is a continuation of the Introductory Japanese 11 course. The course is a basic second year/intermediate course where students will continue to develop their skills in all four aspects of the language through a variety of authentic language-learning activities.

Some basic Kanji will be introduced, while students will be encouraged to become fluent in writing Hiragana and Katakana.

JAPANESE 12 (MJA--12)

Japanese 11 or equivalent knowledge of the Japanese language is strongly recommended prior to taking this course. Students enrolled in Japanese 12 will study the language in more depth with an emphasis on more sophisticated vocabulary and grammatical concepts. Students will learn additional Kanji.

INTRODUCTORY SPANISH 11 (MBSP-11)

This is an introductory course designed for students with no previous knowledge of or ability to speak Spanish. The course is taught using a Comprehensible Input approach, which is based on research that our brains acquire language naturally when we are exposed to compelling, comprehensible input. Students will acquire Spanish through storytelling, daily conversations to learn about each other, reading short texts and novels, listening to music, and watching short films and movies. Throughout the course, we will gain cultural and social awareness about the Spanish-speaking world by experiencing creative works and culture. Regular attendance, active listening and engaged participation are essential for success in this course.

SPANISH 11 (MSP--11)

This is a senior course for non-Spanish speakers. The course is taught using a Comprehensible Input approach, which is based on research that our brains acquire language naturally when we are exposed to compelling, comprehensible input. Students will continue to build their proficiency in Spanish through storytelling, daily conversations to learn about each other, reading increasingly more complex texts and novels, listening to music, and watching short films and movies. Students will be able to understand and use Spanish with increasing confidence and complexity. Throughout the course, we will gain cultural and social awareness about the Spanish-speaking world by experiencing creative works and culture. Regular attendance, active listening and engaged participation are essential for success in this course.

It is strongly recommended that students take this course after Introductory Spanish 11.

SPANISH 12* (MSP--12)

This is an advanced class for motivated Spanish language learners with an interest in the cultures of the Spanish-speaking world. This advanced senior course builds on previous knowledge gained through Introductory Spanish 11 and Spanish 11. The course is taught using a Comprehensible Input approach, which is based on research that our brains acquire language naturally when we are exposed to compelling, comprehensible input. Students will continue to build their Spanish proficiency through storytelling, daily conversations to learn about each other, reading increasingly more complex texts and novels, listening to music, and watching short films and movies. Students will be able to read, write and interact spontaneously in Spanish with their peers and teacher using increasingly complex structures. Throughout the course, we gain cultural and social awareness about the Spanish-speaking world by experiencing creative works and culture. Regular attendance, active listening and engaged participation are essential for success in this course.

*It is strongly recommended that students take this course after Spanish 11.

Physical and Health Education

Physical Health Education is required for all students from Grade 8 to 10. Some P.E. classes from grades 8 to 12 are co-educational.

All students enrolled in P.E. are expected to participate in the following activities during the year.

- Square Dancing - Grades 8 to 12
- Ice Skating - Grades 8 to 12
- Cardio-vascular fitness development program - Grades 8 to 12
- Physical Fitness testing - Grades 8 to 10
- Indoor Track Meet events - Grades 8 to 10
- Swimming - Grades 8 to 12 (Swimming is offered to all students in P.E. 8, 9 and 10 and the only students exempted are those with a current, valid medical certificate).

Proper gym strip (**GREY T-SHIRT & BLACK SHORTS—which can be purchased from the PE teacher**) is required of all students enrolled in Physical Education. Strip consists of a t-shirt, shorts, and socks. Alternate strip such as sweatshirts will be acceptable, but shirts imprinted with logos or pictures of rock bands, drugs, alcohol, cartoons, sex slogans, obscenities, etc. are not suitable attire and will not be permitted. Proper supportive running shoes are required. Socks are mandatory.

PHYSICAL & HEALTH EDUCATION 8 (MPHE-08)

This course is an introduction to selected team and individual activities with the emphasis on motor skill development, physical fitness and the development of a positive attitude to activity as part of one's lifestyle.

Some of the activities are soccer, wrestling, rugby, gymnastics, square dancing, swimming, basketball, weight training, track/ field, volleyball, field hockey and minor games.

This course includes a mental, sexual, and nutritional health unit.

PHYSICAL & HEALTH EDUCATION 9 (MPHE-09)

Strongly recommended: Completion of Physical Education 8.

This course is a continuation of selected activities from PE 8 with a selection of new activities.

PHYSICAL EDUCATION 10 (MPHE10)

Strongly recommended: Completion of Physical Education 9.

This course is a continuation of grade 8 and 9 PE with the introduction of first aid and more emphasis on leadership type activities.

ACTIVE LIVING 11 & ACTIVE LIVING 12 (MACLV11 & MACLV12)

Recommended: PHE 10

This class is designed to encourage students to participate in fun-filled, supportive, and non-competitive activities. The course will emphasize building self-esteem, discussing health issues, and choosing alternative fitness activities. Students will not be assessed on their fitness levels; instead, the goal will be to incorporate physical activity and healthy eating into their lives. Lifetime activities may include going for walk in the community, yoga, meditation, bowling, indoor rock-climbing, kayaking, paddleboarding ice skating and more.

GAMES AND SPORTS 11 (YLRA-1A)

Recommended: PHE 10

This course will appeal to students who prefer playing sports in a more competitive setting than in PHE 8-10. Students will be given many opportunities to participate in tournament-style activities such as basketball, volleyball, dodgeball, football, soccer and many more. Students will also learn how to plan, organize and execute different formats of competition to promote physical activity and maintain a healthy lifestyle. Students will abide by concepts of sportsmanship/fair play, recognizing them as foundational to competitive situations. Field trip opportunities may also be offered in activities such as hiking, paddle boarding, racquetball, bowling, rock-climbing, ice skating and more.

YOGA FOR LIFE 12 (YLRA-2A)

Strongly recommended: Completion of Physical Education 10.

This elective course has been developed to introduce high school students to the principles of yoga. Yoga for Life is a non-denominational, vigorous physical course which promotes lifelong fitness and health. Students will experience various styles of yoga in a safe, supportive, noncompetitive learning environment. Physical benefits of yoga include improved muscle tone, strength, flexibility, balance, reduced tension, and improved energy levels. Mental benefits of yoga include stress management, improved concentration, self-awareness, and self-discipline. Proper body alignment and breathing will be key topics of the course. Lessons will also be given on proper nutrition, body physiology, and goal setting.

Science

PREAMBLE

The study of science requires the ability to use reasoning and analytical thinking for the solutions to problems. Through the completion of the science program, students are expected to develop higher order thinking skills such as analysis, synthesis, and integration of concepts. The Core Competencies and Indigenous ways of knowing will be intertwined with the scientific concepts with a particular focus on reciprocity and interconnectedness.

GOALS

The science program will provide opportunities for students to develop creative, critical, and formal (i.e., abstract) thinking abilities through the development of the skills and processes of science. Through this process students will be given opportunities to develop positive attitudes to science and to gain knowledge about different topics in science.

SCIENCE 8 (MSC--08)

BIOLOGY

- Characteristics of life
- How microorganisms such as viruses, bacteria and protists affect our life and how our immune system protects us against them
- The impacts of epidemics and pandemics on humans

CHEMISTRY

- The atom and subatomic particles
- Types and effects of electromagnetic radiation

LIGHT

- Properties, behaviors, and ways of sensing light

GEOLOGY

- Plate tectonics, layers of the Earth and how they cause major geological events.

SCIENCE 9 (MSC--09)

BIOLOGY

- Asexual and sexual reproduction

CHEMISTRY

- The Periodic Table
- Elements' properties and how they relate to the atom

PHYSICS:

- Electric circuits

ECOLOGY

- Sustainability system and First Peoples' principles of interconnectedness.
- The cycling of matter within biotic and abiotic components of the ecosystem

SCIENCE 10 (MSC--10)

LIFE SCIENCES

- Genetics and patterns of inheritance
- How DNA and mutations drive changes in species
- Artificial and Natural Selection

PHYSICAL SCIENCES

- Chemical reactions
- Energy transformations: globally and locally
- Nuclear energy and radiation
- Astronomy
- The formation of the universe.

SCIENCE FOR CITIZENS 11 (MSCCT11)

Please speak to your science teacher or counsellor if you are interested in this course.

Science and the Citizen focusses on real world science, exciting laboratory experiments and interesting classroom activities. Students will learn about the science that impacts them in their day to day lives and have opportunities for hands on exploration of the concepts. The topics covered include:

- Home Science (health, medicines, and human biology)
- Workplace Science (WHMIS certification)
- Scientific literacy

CHEMISTRY 11 (MCH--11)

Strongly recommended: Science 10, Math 11 is either to be taken concurrently; or it has been completed successfully.

Chemistry 11 will explore numerous topics in Chemistry with an emphasis on applications and implications to society, health, and the environment.

Core Topics include:

- Safety
- Measurement (significant figures, scientific notation, uncertainty)
- The Mole
- Atoms and Molecules (matter, model of the atom, electron configuration, periodic table, chemical bonding)
- Chemical Reactions (equations, stoichiometric calculations, applications, and implications)
- Solution Chemistry (dissociation, properties, concentration, applications, and implications)
- Organic Chemistry

LIFE SCIENCES 11 (MLFSC11)

Life Sciences 11 gives the student an overview of the living world around them. It begins with the fundamental unit of life, the cell, and goes through the process of how single celled organisms have developed into the diversity of life that surrounds us. In addition to the concepts of reciprocity and interconnectedness a more focused exploration of Indigenous Knowledge will also be explored in such units as the application of plant use. This course is a useful introduction to first year biology in university.

Characteristics of Living Things

- cells are the basic unit of life:
- viruses

Process of Evolution

- the development of the theory of evolution
- evolutionary change
- speciation
- trends in complexity across the three Domains and six Kingdoms

Taxonomy

- taxonomy principles for classifying organisms:
- unifying characteristics across the three Domains and the 6 kingdoms

Plant Biology

- diversity and evolution; structure, life cycles and ecology of representative green algae, conifers, flowering plants; human plant interactions

Animal Biology

- diversity and evolution; structure, life cycles and ecology of representative (invertebrate and vertebrate species), human-animal interactions.

ANATOMY & PHYSIOLOGY 12 (MATPH12)

Strongly recommended: Biology 11 or a high standing in Science 10.

Biology 12 is a course designed for students that are thinking about studying science at a higher level. Therefore, in addition to work required for assignments and tests, students must be prepared to spend 1 to 2 hours per week outside of class time reviewing material and/or doing practice questions.

- Cell Biology: cell compounds, ultra-structures, ultra-processes, cancer
- Human Biology: structure/function and disorders of digestion, circulation, blood and immunity, respiratory, excretory, endocrine, nervous, and reproductive systems.

CHEMISTRY 12 (MCH--12)

Strongly recommended: Science 10 & Math 11 (To be taken concurrently; or has been completed successfully previously)

Students with a final standing below C+ in Chemistry 11 are strongly advised NOT to enroll in this course. Chemistry 12 is a course designed for students that are contemplating studying science after high school. Therefore, in addition work required for assignments and tests, students must be prepared to spend 1 to 2 hours per week outside of class time reviewing material and/or doing practice questions.

Core topics include:

- Reaction Kinetics (Collision Theory, factors affecting rate, mechanisms)
- Equilibrium (characteristics of equilibrium, Le Chatelier's Principle, Application of K_{eq})
- Solubility of Ionic Substances (solubility rules, K_{sp} , Qualitative Analysis)
- Acids-bases (Bronstad-Lowry Definition, K_a , K_b , Buffers)

PHYSICS 11 (MPH--11)

Strongly recommended: Science 10 & Math 11 is either to be taken concurrently; or it has been completed successfully.

Physics 11 is intended as an introduction to the scope, nature, and relevance of physics. Planning and conduction experiments, graphing, global applications and skepticism will be common threads throughout each unit. The four main areas of study are:

- Kinematics in 1D: Position, velocity, acceleration, uniform motion, uniform acceleration, projectile motion.
- Dynamics: Newton's Laws, gravity, friction, springs.
- Momentum: Momentum and Impulse, conservation of momentum, collisions and explosions.
- Energy: work; kinematic, potential and thermal energy; conservation of energy; power and efficiency.

Additional topics may include Waves, Optics, particle physics, relativity.

PHYSICS 12 (MPH--12)

Strongly recommended: Physics 11(Students with a final standing below C+ in the prerequisite course are strongly advised NOT to enroll in this course)

Math 12 is either to be taken concurrently; or it has been completed successfully previously.

The Physics 12 course concentrates on basic areas that are essential for studies in physics or applied science (i.e., engineering, mechanics and electromagnetism).

The main topics will be:

- vectors
- motion in two dimensions
- universal gravitation
- charges and currents
- electromagnetism.

ENVIRONMENTAL SCIENCE 11 (MEVSC11)

This is a NEW course offered in 2024/2023. There is no prerequisite for this course.

The aim of this course is for students to cultivate a deeper understanding of the interconnectedness of our world, including how humans fit into and affect the Earth's systems. The course is an extension of the ecology unit in grade 9 that will dive deeper into understanding the processes, diversity, sustainability, and stewardship of ecosystems. We will focus our studies on BC systems and incorporate First People's traditional ecological knowledge and ways of knowing. This will predominately be a project-based course that will incorporate learning through experience. To do well in this course, students should be willing to take the initiative for independent and group work, enjoy learning outside, and have a passion for the environment and sustainability issues.

Environmental Science is a rapidly growing discipline of science, that combines all the core sciences – biology, chemistry and physics. There are many career opportunities for those in a background in environmental science including green energy development, conservation biology, physical geography, land-use planning, resource management, environmental law and more.

Content Overview (also see <https://curriculum.gov.bc.ca/curriculum/science/11/environmental-science>):

- Ecosystems:
 - abiotic characteristics
 - biotic diversity
 - complexity
 - energy flow (e.g. food webs, biomass)
 - succession
- Cycling of matter (e.g. carbon, nitrogen)
- Human actions and impacts on ecosystems
- Stewardship and restoration practices
- First Peoples TEK and ways of knowing

Social Studies

PREAMBLE

Secondary school graduation requires the successful completion of Social Studies 8 and 9 and 10. In addition, graduation requirements for grade 10-12 include a Social Studies 11 or 12 (4 credits). Most of the senior Social Studies courses offered at Killarney are at the grade 12 level. The graduation requirement of 4 credits of Indigenous-focused coursework can be obtained in English 10-12 or the Social Studies course: BC First Peoples 12 at Killarney.

The main purpose of the Social Studies curriculum is to develop graduates who have the knowledge, skills, and competencies to be active, informed citizens. A focus on inquiry and historical thinking skills will be part of all Social Studies courses. This includes an examination of **historical significance, evidence, continuity and change, cause and consequence, historical perspectives, ethical judgments and geographic thinking skills**. As well, Indigenous Peoples history, culture and perspectives are embedded throughout all grades.

SOCIAL STUDIES 8 (MSS--08)

Social Studies 8 builds and expands upon geography skills and history studied in elementary school. Students will learn to use Social Studies inquiry processes and skills and to assess the significance of events in the past and their short-and long-term consequences. Current Event issues will provide an opportunity to think critically and to promote debate and discussion in the classroom.

CONTENT OVERVIEW:

- Social, political, and economic systems and structures
- Scientific and technological innovations
- Philosophical and cultural shifts
- Resources, ideas, arts, and culture exchanged between and among different civilizations
- Exploration, expansion, and colonization
- Changes in population and living standards

SOCIAL STUDIES 9 (MSS--09)

Social Studies 9 builds on the historical and geographic competencies of Social Studies 8.

CONTENT OVERVIEW:

- Political, social, economic, and technological revolutions
- Effects of imperialism and colonialism including indigenous peoples
- Global demographic shifts
- Nationalism and the development of modern nation-states
- Global conflicts
- Discriminatory policies, attitudes, and historical wrongs
- Physiographic features of Canada and geological processes

SOCIAL STUDIES 10 (MSS--10)

Social Studies 10 builds on the historical and geographic competencies of Social Studies 9.

Social Studies 10 will investigate global and regional conflicts, the development of political institutions, and the worldviews and historical and contemporary injustices which effect the Canadian identity.

CONTENT OVERVIEW:

- The development, structure, and function of Canadian and other political institutions, including First Peoples governance
- Political and economic ideologies and the development of public policy
- Changing conceptions of identity in Canada and Canadian autonomy
- Domestic conflict and co-operation
- Discriminatory policies and injustices in Canada and the world, such as the Head Tax, the Komagata Maru incident, residential schools, and internments
- International conflicts and co-operation
- Human–environment interaction
- Economic development and Canada’s role in a global economy
- Truth and Reconciliation in Canada

SENIOR TRANSITIONAL SOCIAL STUDIES 10 (XLDCE10SST)

Transitional Social Studies will cover the content of Socials 10 with adaptations for ELL Learners. Successful completion will give credit towards Social Studies 10.

All the following courses will count towards a [Senior Social Studies](#) credit for graduation.

***BC First Peoples 12 will also count towards the graduation requirement of 4 credits of Indigenous-focused coursework.**

Please note: Most of the senior Social Studies courses offered at Killarney are at the grade 12 level and while open to students in grade 11, **grade 12 students have priority.**

EXPLORATIONS IN SOCIAL STUDIES 11 (MEPSS11)

This course is designed to be a Social Studies survey course of the Big Ideas for Social Studies taken from several Grade 12 BC Ministry courses. Explorations in Social Studies 11 is not a replacement for Social Studies 11 and may be taken along with other senior grade 11 or 12 Socials courses as it will cover different content.

Explorations in Social Studies 11 will cover the key Social Studies skills of **inquiry, significance, evidence, continuity and change, cause and consequence, perspectives, ethical judgements and geographic thinking skills**. This course builds on the historical and geographic competencies of the grade Social Studies 8-10 curriculum.

Throughout the year students will explore several varied themes which will include:

- **Political Science/Social Justice:**
 - Current issues in local, regional, national, or global politics
 - Systems of power and governance
 - Methods used by individuals, groups, and organizations to promote social justice
- **Human Geography**
 - Sustainability and how human activities alter landscapes and effect natural systems
 - Demographic shifts in population, quality of life and health care
- **Indigenous Studies:**
 - The richness, diversity, and resiliency that is embedded in the culture and experience of Indigenous Peoples
 - Indigenous peoples continue to advocate and assert rights to self-determination despite the effects of colonialism and through their connection to the land.

LAW STUDIES 12 (MLST12)

Explore and experience the Canadian legal system. During this school year, students will be introduced to fundamental legal concepts, possible career opportunities, court procedures, criminal investigation techniques, the prison system, and both Civil and Criminal Law. This course will focus on reading, analyzing, and discussing actual real life legal cases. Students will also learn how to do basic legal research. This course builds on the historical and geographic competencies of the grade 8-10 Social Studies curriculum.

Course content:

- Foundations and History of Law
- The Charter and Human Rights
- Civil Law (Tort, Business, Contract, Family etc.)
- Criminal Law
- The Court System
- The Prison System
- Criminal Investigation
- Crime Scene Analysis
- The Criminal Mind (i.e., Serial Killers, Organized Crime etc.)
- Indictable, Hybrid and Summary Offences
- Civilian and Police Rights
- Justice, Ethics and Morality Issues

- Legal Case Studies and Analysis
- Current Events
- Indigenous Rights under the Law and Self-Governance
- ... and much, much, more.

Goals—Students will be able to:

- Understand the fundamental legal principles including equality, justice, and liberty
- Recognize and act upon their rights and responsibilities
- Identify legal elements in problems
- Prevent or address legal problems in everyday life
- Apply their knowledge to their studies, careers, and daily lives
- Controversial topics will be debated and discussed in relation to criminal and civil procedures.

COMPARATIVE CULTURES 12 (MCMCL12)

Examine ancient and modern civilizations throughout the world and their contributions to our collective human experience and history. Explore fantastical and gripping stories of heroes and villains through the ages. Students will carefully study and compare various past and contemporary cultures and civilizations by analyzing political, social, economic, and cultural structures.

Topics covered include, but are not limited to: China, Egypt, Ancient Rome, the Aztecs, the Maya, the Inca, India, Islam, Ancient Greece, and many others. (Students are also given an opportunity to explore an ancient civilization of their choice). Critical thinking and understanding will be emphasized. This course builds on the historical and geographic competencies of the grade 8-10 Social Studies curriculum.

Course content:

- Foundations of Civilizations
- Myths and Legends
- Military Exploits, Conflict and Conquests
- The Reign of Emperors, Kings and Queens
- Innovators and Inventors
- Social Norms and Values
- Culture and Art
- World Philosophies, Religions and Great Thinkers
- Anthropology and Archeology
- Power Structures and Hierarchy
- Linguistics and Languages
- ... and much, much, more.

Goals:

- Generate ideas and process information about cultures from a variety of sources
- Demonstrate an understanding of the concepts of civilization and culture
- Describe the relationship between natural environments and the development of civilizations
- Describe ways in which art reflects and influences society.
- Demonstrate an understanding of different value systems from different

20th CENTURY WORLD HISTORY 12 (MWH- -12)

20th Century History 12 will cover social, economic, and political changes in the 20th century. This will include movements, conflicts and the development of technologies which led to the breakdown of long-standing empires and created new economic and political systems. This course builds on the historical competencies of the grade 8-10 Social Studies curriculum.

The course will require students to know:

- global conflicts, including World War I, World War II, and the Cold War
- authoritarian regimes
- civil wars, independence movements, and revolutions

- human rights and movements including indigenous rights
- religious, ethnic, and/or cultural conflicts, including genocide
- migrations, movements, and territorial boundaries
- interdependence and international co-operation
- social and cultural developments communication and transportation technologies

The course will also require students to:

- Use historical inquiry processes
- Assess the significance of people and events
- Assess historical evidence
- Compare and contrast continuities and changes
- Assess causes and consequences
- Explain different perspectives
- Make reasoned ethical judgements.

SOCIAL JUSTICE 12 (MSJ- -12)

The aim of Social Justice 12 is to raise students' awareness of social injustice and to analyze situations from a social justice perspective. Social Justice 12 provides students opportunities to challenge their beliefs and values through reflection, discussion, and critical analysis. This course builds on the historical and geographic competencies of the grade 8-10 Social Studies curriculum.

The goals of Social Justice 12 are to enable students to:

- Acquire knowledge that allows them to recognize and understand the causes of injustice.
- Apply critical thinking and ethical reasoning skills to various issues
- Develop an understanding of what it means to act in a socially just manner
- Become a responsible agent of change, making positive contributions toward a socially just world.

ASIAN STUDIES 12 (MASIA12)

This course will provide a survey study of the Asian continent through the lenses of geography, history, economics, and political science. Students will gain a greater understanding of the diverse cultures and regions within the continent through inquiry-based learning, projects, and discussion. There will be a special emphasis on examining the historical beliefs and traditions that have influenced Asian culture today. Students will also explore the Asian-Canadian experience and living with a "dual-culture." The course will conclude with a look at the modernization and emerging economies of Asia. This course builds on the historical and geographic competencies of the grade 8-10 Social Studies curriculum.

Topics include:

- Historical background (China, India, Japan, Korea, Southeast Asia)
- Impact of European colonialism and imperialism, 19th and 20th centuries
- Industrialization and economic growth
- Modernization/Technology
- Asian Diaspora and Immigration to Canada and growing up as an Asian-Canadian
- Shifting and merging of eastern and western culture/Inter-generational culture clash
- Asian Pop Culture and entertainment
- Environmental issues
- Asian cuisine (Connection to culture and geography)

PHILOSOPHY 12 (MPHIL12)

Philosophy is a discipline that examines the fundamental nature of knowledge, reality, and existence. Philosophy provides tools for investigating meaning and fostering understanding of different ways of thinking. Examining questions in philosophy allows people to question their assumptions and better understand their own beliefs. This course builds on the competencies of the grade 8-10 Social Studies curriculum.

Course Content:

- methods of reasoning and argument in philosophy
- metaphysical theories about the nature of reality
- epistemological theories about knowledge and truth
- social and political philosophy
- theories of morality, ethics, and aesthetics

The course will also require students to:

- Use philosophical inquiry processes
- Assess the significance of philosophical ideas
- Assess philosophical evidence and arguments
- Compare and contrast continuities and changes of ideas
- Assess causes and consequences of systems of thought
- Explain different philosophical perspectives
- Make reasoned ethical judgments

BC FIRST PEOPLES 12 (MBCFP12)

This course builds on the historical and geographic competencies of the grade 8-10 Social Studies curriculum.

BC First Peoples 12 explores the varied identities, worldviews, and languages of B.C. First Peoples, emphasizing their connection to the land. This course examines how the impact of contact and colonialism continues to affect the political, social, and economic lives of B.C. First Peoples. A central focus will concern how cultural expressions convey the richness, diversity, and resiliency of B.C. First Peoples, and how, through self-governance, leadership, and self-determination, they continue to challenge and resist Canada's ongoing colonialism. Reconciliation functions as the foundation of this course, positioned as a transformative practice that requires all members of a society to work together to foster healing and address injustices.

Students will learn using a variety of sources, including films, guest speakers, field trips, student projects, and selected readings.

BC First Peoples 12 will also count towards the new graduation requirement of 4 credits of Indigenous-focused coursework.

Student Leadership/Services

LEADERSHIP 11 (YHRA-1A)

The Leadership and Recreation 11 course's focus is on providing services and leadership to the school and around the community. Students will be engaged in a variety of leadership pursuits and experiences as they engage in becoming and serving as role models for their school and community.

Students will learn the basic concepts of leadership skills, public speaking, conflict resolution, planning and organization of school activities and events.

There will also be an active component to this class. Students will engage in some activities either in school or on field trips throughout the school year.

LEADERSHIP 12 (YHRA-2A)

Prerequisite: Above average academic standing is a prerequisite of this course. Leadership 11 can also be a prerequisite of this course, but it is not necessary.

Leadership 12 is designed for students to further master the concepts of: leadership skills, group processes, leadership practice and planning, and organization of school activities and events.

Students will be provided with the opportunity to work with peers of diverse backgrounds and attitudes; to meet with leaders in the school and community and be involved in the decision-making process; and to become better citizens of both the school and community.

PEER COUNSELLING 12 (Mentorship)

Peer Counselling 12 is an off-timetable course open to Grade 11 students only. Grade 12 students should apply for Peer Tutoring. The student will be placed with a Grade 8 academic or elective class of their choosing to assist and mentor the younger students, not just within the subject area but also in adapting to high school life.

Mentors will also be required to attend an after-school session once every 2 weeks.

[Application Form](#) – please download the form to your computer before completing it or pick up a copy from Ms. Nejad in A310. Forms must be returned to Ms. Nejad in person.

PEER TUTORING 12 (YIPS-2B)

Peer Tutoring 12 is a 4-credit course at Killarney open to grade 12 students who would be interested in working with students in the Tutorial Centre from grades 8 to 12. Peer tutors give one on one support to students in the Tutorial center in all academic subjects. This course is assigned alongside a block of Tutorial with a teacher in semester one or two. Tutors help the same group of students for the entirety of the semester.

Peer tutors will benefit from this course by gaining leadership, organization, and communication skills. Also, by connecting with students in the Tutorial center they will boost their self-confidence and sense of community. This course would be suited to a variety of students but particularly to those interested in entering the fields of education, social work or any other career that involves helping people.

This course requires students to attend regularly, participate in some training with assignments and reflect on their experience as a peer tutor to demonstrate their learning. Students should be in grade 12 and will need to apply and get two teacher references for the course. If you are in grade 11, the class Mentorship 11 is recommended.

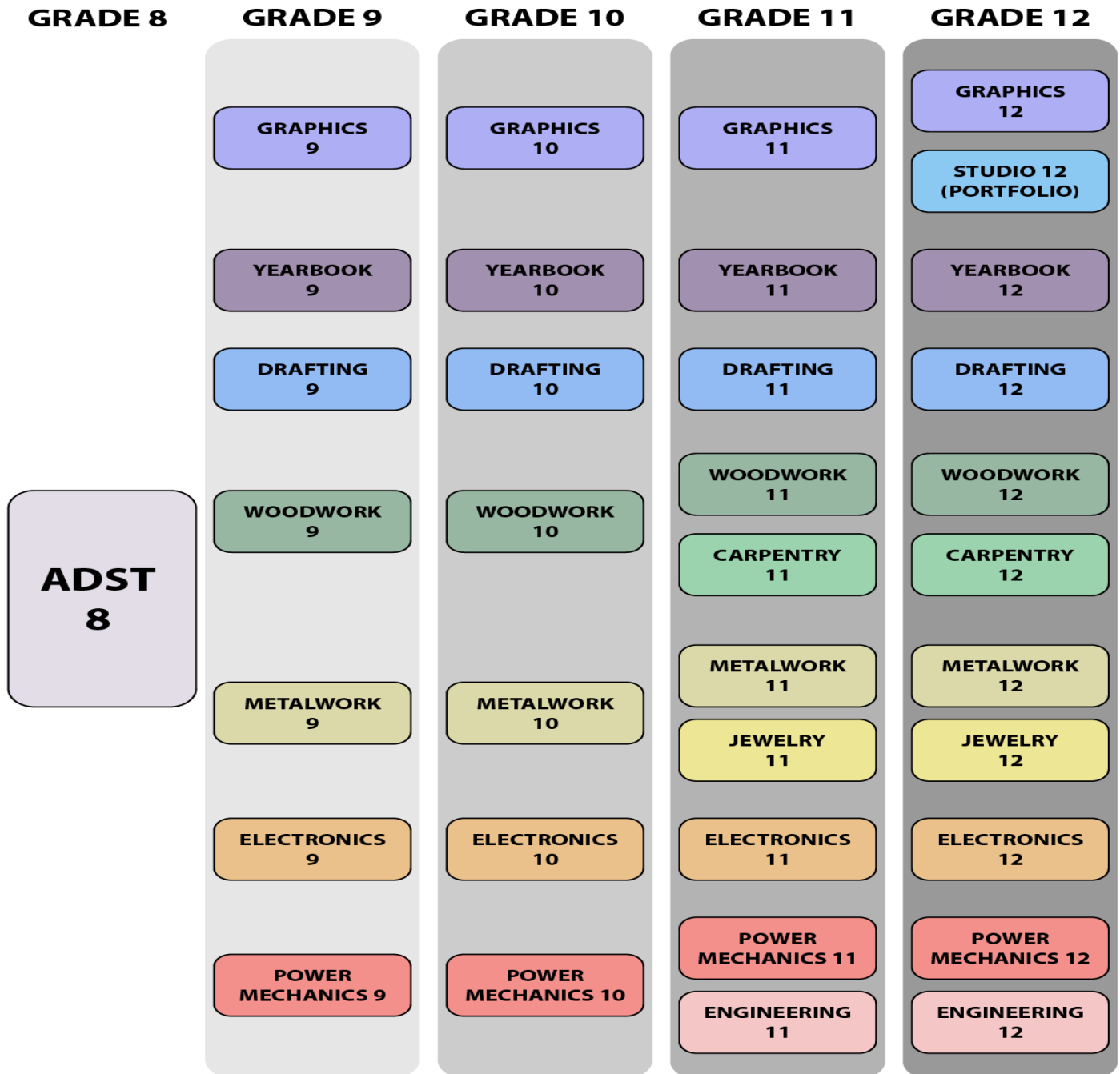
Please visit D110 for more information.

LIBRARY SERVICES 11 (YBMO-1B)

Provides interesting hands-on experiences and dynamic learning about library management skills including: organization, collection management, display creation, and customer service. Students are encouraged to have library experience/community service or have participated in the Library Club before taking this course. If you are interested, and have prior experience, please come see a teacher-librarian to discuss the course and obtain a sign-up form for your counsellor.

Technical Studies

Here's a question: Which career averages a six-figure salary while guaranteeing employers across the country will climb all over each other to hire you? If you answered skilled trades, pat yourself on the back for getting something right that most Canadians tend to get wrong. Despite many misconceptions, careers in the skilled trades for electricians, welders, construction, auto mechanics, and scores of other choices, are lucrative, in demand and provide some of the steadiest and most satisfying employment available. While many university graduates are facing huge debt, low pay or unemployment, students going into a trade are often hired by employers before they have finished their training.



Automotive

ADST—POWER TECHNOLOGY 9 & 10 (MADTP09 & MTPOW10)

(No prerequisite)

This co ed course has been designed to give students exposure to today’s technology. Students will gain awareness of various transportation and power systems. Machines, cordless and hand tools will be used to build the projects in the course. Students will learn through projects in the following areas:

- Small Gasoline engines
- Air rockets
- Scale model CO2 dragster cars
- Catapults
- mouse trap racer
- bicycle mechanics/ maintenance

AUTOMOTIVE TECHNOLOGY 11 (MTAUT11)

(No prerequisite)

Automotive Technology 11 is an introductory course designed to provide all skill levels, ages, and genders with a basic understanding of how a modern vehicle works, as well as how to maintain it. This is a hands-on course which mostly consists of using tools and working on real cars, however there is absolutely no expectation for students to have any prior knowledge or mechanical experience. This course will focus on both the theoretical and practical aspects of the following:

- Engine Design and Operation
- Brake System Operation
- Vehicle Maintenance
- Vehicle Repair
- Charging and Starting Systems
- Cooling and Lubrication Systems

AUTOMOTIVE TECHNOLOGY 12 (MTAUT12)

(No prerequisite)

There are no prerequisites for this course, and absolutely no expectation for students to have any prior knowledge, or to have taken Auto 11, or to have any prior mechanical experience. Automotive Technology 12 is a course designed for all skill levels, ages, and genders. This hands-on course will mostly consist of using tools and working on real cars. This course will focus on both the theoretical and practical aspects of the following:

- Vehicle Maintenance
- Vehicle Repair
- Transmission Design and Operation
- Differentials
- 4-Wheel Drive
- Automotive Electrical Systems

Woodworking

ADST—WOODWORK 9 & 10 (MADW-09 & MWWK-10)

PREREQUISITE: NONE A fee may be charged for this course.

Wood Technology is an introductory course (level 1) in which students will learn basic woodworking skills. This course is a hands-on course involving the use of wood and wood composites and a variety of hand and power tools. The safe use of all machines is demonstrated, and students must pass a competency test before using each. Students will design and create a variety of teacher and student selected projects. Students will become familiar with the safe use of tools and machinery while developing skills in problem solving, joinery, and time management.

WOODWORK: CARPENTRY AND JOINERY 11 (MWWK-11)

PREREQUISITE: NONE (A fee may be charged for this course)

This course is a level 2 woodworking course intended to build upon skills learned in Technology 10 Woodwork. Students will build teacher selected projects using hand and power tools. The major areas of learning will be in Joinery, assembly drawings, finishing, hand tool maintenance, and the safe and proper use of power tools. There will also be a self-directed component to this course involving a student selected project.

WOODWORK: CARPENTRY AND JOINERY 12 (MWWK-12)

PREREQUISITE: Carpentry and Joinery 11 (A fee may be charged for this course)

This is a senior woodworking class and a continuation of Carpentry and Joinery 11 with students designing and building projects of their choice. The course is designed for students with above average woodworking skills and the ability to work independently.

FURNITURE and CABINETRY 12 (MTFAC12)

PREREQUISITE: NONE (A fee may be charged for this course)

This is a level 2 course designed to build and expand upon the skills learned in Level 1. Students will build teacher selected projects using hand and power tools. The major areas of learning will be in Joinery, assembly drawings, finishing, hand tool maintenance, and the safe and proper use of power tools. Projects will consist of a variety of teacher selected activities but there will also be a self-directed component to this course involving a student selected project.

Electronics

ADST—ELECTRONICS & ROBOTICS 10 (Tech Ed. 9/10: Electronics) (MADER09 & MTEAR10)

No Prerequisite: Although there is no prerequisite to this course, completion of the Technology 8 Program is recommended.

Course Objective:

When you have completed this course, you will be able to:

- Demonstrate basic safety procedures designed to protect you and your test equipment.
- Use schematic diagrams as a guide, construct DC circuits with components such as resistors, relays, switches, lamps, batteries, capacitors, and integrated circuits.
- Projects: Building gaming and robotic projects

The student has the option of choosing his own project or doing an assigned project (i.e.: car/home alarm, mini robots, iPod amps)

ELECTRONICS 11 (MTELE11)

Prerequisite: None

Course Objectives:

- Recognize the need to develop safe work habits
- Construct printed circuit boards
- Explain how diodes, transistors, SCR's, etc. operate
- Basically describe how these semiconductor devices are constructed
- Handle diodes, transistors, integrated circuits, properly without burning them out or damaging them with improper handling procedures.
- Recognize the most commonly used semiconductor packages
- Recognize the schematic symbols that are used to represent a wide variety of semiconductor devices
- Test various diodes, transistors, SCR's etc., to determine if they are functioning properly.

Course Structure:

Program goals are achieved by practical experiments & building of projects such as:

- Stereo Light Display

- Home/Car Alarm
- iPod amps
- Digital Dice Game
- Traffic Light Controller
- Car Sub-woofers amplifier
- Robots

The student has the option of choosing his own project or doing an assigned project

ELECTRONICS 12 (MTELE12)

Prerequisites: Electronics 11A

Note: Electronics 12A is required for the Electronics Career Preparation Course.

Course Objectives:

- Recognize the need to develop safe work habits
- Identify basic transistor, common emitter, amplifier circuits, and describe their operation
- Identify and explain the operation of power
- Supply rectifiers, filters, and regulation
- Circuits using Zener diodes, transistors and 741 op. amp.
- Discuss the basic principles of oscillation (tank circuit).
- Explain amplitude and frequency modulation, the heterodyne principle, and modulation and detection circuits (radio transmitter and receivers).
- Learn how to trouble shoot electronic circuits.
- Learn to draw schematic diagrams on a computer.

Course Structure:

Program goals are achieved by practical experiments and the building of projects such as:

- Hi Power car/home amplifier
- Amplifier speaker system
- Surround Sound Decoder
- Proximity Detector Alarm
- Digital Stereo Simulator
- Electronic clock timer/stereo timer
- Intra-red remote-control robotics
- Strobe lights

The student has the option of choosing his own projects or doing an assigned project.

Graphic Arts

ADST-MEDIA DESIGN 9 & 10 (MADMA09 & MMEDD10)

Graphic Communications 10 is a commercial design course that introduces the basics of concept development, design layout, typography, BITMAP and VECTOR image manipulation, digital photography and digital illustration.

Work is done on Apple iMacs using Adobe Photoshop and Illustrator. Students will begin to gain design fluency by using numerous tools to create and design projects such as posters, buttons, decals, logos, water bottles, tumblers, phone cases, t-shirts and coffee mugs. Students will have access to ink jet and sublimation printers, vinyl cutters, heat presses and a laser cutting equipment.

MEDIA DESIGN 11 (MMEDD11)

Strongly recommended: Graphics 10

Media Design 11 is an intermediary commercial design-based course that covers advanced concept development, design layout, BITMAP and VECTOR image manipulation, typography, photography, traditional, multi-page publications and digital illustration.

Work is done on Apple iMacs with Adobe Photoshop, InDesign and Illustrator. Students will learn to apply professional design techniques and expand their design techniques and digital tool fluency. Students will employ advanced knowledge of photographic image manipulation principals.

Intermediate students will also expand their VECTOR design skills to create multiple colour multi-cut designs to press more complicated projects for hoodies, windbreakers, jean jackets and other textiles.

Students will begin to explore using the laser cutter to cut, etch and engrave their designs onto a larger variety of materials such as leather, wood panels, metals, plexiglass and glass materials.

MEDIA DESIGN 12 (MMEDD12)

Strongly recommended: Graphics 10

Media Design 12 is an advanced commercial design-based course that focuses on professional tool techniques and output methods for laser cutting and etching, vinyl cutting and pressing, digital illustration, combined media graphic design, advanced photographic manipulation, compositional artwork, concept development, story-boarding, and multi-page publications.

Work is done on Apple iMacs with Adobe Photoshop, InDesign and Illustrator. Students will learn to apply professional design techniques and expand their design techniques and digital tool fluency. Students will engage in professional strategies and techniques used in image manipulation principles and design.

Senior students will also expand their VECTOR design skills to create multiple colour multi-cut designs to press more complicated projects. They will be introduced to advanced principles for using the laser cutter to cut, etch and engrave their designs onto a larger variety of materials such as leather, wood panels, metals, plexiglass and glass materials.

MEDIA DESIGN INDEPENDENT / DIRECTED STUDIES 12 (MIDS-2G)

Strongly recommended: 1-2 years of Graphics 10-12

This course is essential for students preparing creative portfolios for post-secondary institutions. This course is student driven, whereas applicants will dedicate their time to creating Graphic Design projects to be used for portfolio building. Students will choose a focus area such as illustration, BITMAP image manipulation, storyboarding, production, VECTOR design, merchandise prototyping, design production etc for the purposes of entering a career path in a targeted area of graphic design and production. Students interested in this course should have a solid idea of which post-secondary institution they are applying to so that they can cater their efforts towards expanding their technical skills as well as the strength and professionalism of their application portfolio.

Drafting

ADST—DRAFTING 9 & 10 (MADD-09 & MTDRF10)

Drafting 10 is an introductory course to basic drafting principles and techniques, architectural drafting, 3D design and product modelling. Students will work in Google SketchUp Pro. Students will learn to navigate 3D spaces and use various tools in a 2D computer program to create 3D models that can be used in the real world for prototypes, blueprints, production and 3D model design. Projects range from architectural design to producing a wide range of commercial design models.

ADST-DRAFTING 11 (MTDRF11)

Drafting 11 is a course that builds on the basic tools used in Drafting.

Students will learn to create advanced models, apply materials, plan architectural systems and learn about engineering methods and constructions planning. Students will work in Google SketchUp Pro. Students will create 3D models that can be used in the real world for planning, blueprints, production and prototype design. Projects range from architectural design to producing a wide range of commercial models.

ADST-DRAFTING 12 (MTDRF12)

Strongly recommended: Drafting 10 or 11

Drafting 12 is a course that builds on the tools and techniques learned in Drafting 10. Students will work on concept designs, plan architectural systems and learn how the engineering process and construction planning phase begins. Students work in Google SketchUp Pro. Students are encouraged to incorporate self-directed projects to create advanced models that they can translate into real projects.

Engineering

Engineering 11 & 12 (MENR-11 & MENR-12)

No prerequisite required, just a willingness to learn and have fun.

Would you like to engage in real-world engineering problem solving? Would you like to have fun building awesome projects? In engineering class students are given construction challenges and will design and build solutions to the challenges. A variety of materials may be used such as metal, wood, plastic, etc. Students will be taught the engineering design process, a problem-solving process, to come up with solutions to challenges and the safe use of tools and equipment to build them. In the process students can integrate math, physics, material science, drafting, time management skills and have fun doing it.

Possible projects may include:

- a compressed air rocket
- an air powered car
- a flying model airplane
- a model bridge
- a trebuchet
- a glider
- a self-propelled boat
- a mousetrap powered car
- working with robots, programming

Yearbook

YEARBOOK 10 (YCCT-0C)

Strongly recommended: Graphics 10 (concurrently or previous)

Yearbook 10 introduces an exciting and action-packed course. Students will be part of a creative and energetic team. Students explore layout and design, digital photography, journalism, desktop publishing, marketing, business development, 4K video production as well as sales and promotions.

Students use Adobe Photoshop, Illustrator, InDesign and Premier as well as other software applications. Students will have access to Nikon, Canon DSLR and Sony Alpha mirrorless cameras. Yearbook is a resume building course that provides students with real world skills which translate to well-paying and highly creative jobs.

YEARBOOK 11 (YCCT-1C)

Strongly recommended: Graphics 10 / Yearbook 10 (concurrently or previous)

design, digital photography, journalism, desktop publishing, marketing, business development, 4K video production and sales promotions. Be a part of our award-winning yearbook crew. Yearbook 11 provides students with real world production skills that translate to well-paying and highly creative jobs. Students use Adobe Photoshop, Illustrator, InDesign and Premier. Students will advance their photography skills using Nikon and Canon DSLR as well as Sony Alpha mirrorless cameras. Senior Yearbook students take on greater responsibility as team leaders, co-editors and lead photographers. Students will gain access to professional mentorship opportunities via Killarney's special working relationships with the Artona Group and Friesens.

YEARBOOK 12 (YCCT-2C)

Strongly recommended: Graphics 10/11 or Yearbook 10/11

In Yearbook 12 students will master professional production techniques in layout and design to create a professional publication. Students will work towards professional competency in digital design, digital photography, illustration, journalism, desktop publishing, marketing, web design, business development, 4K video production as well as sales and marketing.

Students use Adobe Photoshop, Illustrator, InDesign and Premier. Students will advance their photography skills using Nikon and Canon DSLR as well as Sony Alpha mirrorless cameras.

Senior Yearbook students take on greater responsibility as editors, lead designers and photographers. Students will have opportunities to use a full frame professional mirrorless camera system for creating dazzling photography and 4K video content.

Be a part of our award-winning yearbook crew. Yearbook 12 is a launchpad course that provides students with real world skills that translate to well-paying and highly creative jobs. Students access opportunities for mentorship, scholarship and employment opportunities via Killarney's working relationships with the Artona Group and Friesens.

Metalwork/Jewelry

ADST—METALWORK 9/10 (MADM-09 & MTMET10)

This enjoyable course is open to all Grade 9 and 10 students who are beginners to machinery and metalwork. You will have an opportunity to cast a sterling silver ring, as well as use your creative talents to fabricate unique metal projects using different types of welding.

You will receive help and encouragement to develop your talents in designing projects, using your creativity, manual skills and the use of machinery.

ADST METALWORK 11 (MTMET11)

Open to creative individuals who enjoy developing practical skills in this fun and innovative metal work design course. Using your creative abilities, you will research, design and fabricate projects of your choice, including jewelry. The variety of projects is limited only by your imagination, and you will be designing, creating and fabricating using brand new equipment, as the workshop environment includes new state of the art digital self-adjust welders. You will have an opportunity to practice self-evaluation of your projects. This course opens doors for careers in machinery and welding, and provides life skills and development of your creative and manual skills.

ADST METALWORK 12 (MTMET12)

Prerequisite: None

There is opportunity for students to double block into the metal shop. Students are expected to continue improving skills learned in grade 11. However, they will be encouraged to choose one or two specialty areas. These could be welding, sheet metal, machine work (lathe, milling machine, etc.) or repair work. Larger and more complex projects will be designed and built by the student.

BA JEWELLRY 11 (YIA--1A)

This engaging course is open to everyone and has no prerequisites— just your imagination! This course will supply credits for both Fine Arts Skills 11, and Applied Skills 11. Open to all students who enjoy using their creative abilities to design and fabricate unique pieces of art.

You will have the opportunity to choose and cast a sterling silver ring, design keychains, candleholders and much more. You will have an opportunity to do sheet metal work, machining, welding, metal sculpture, forging and casting, providing you with life skills as well as entry level skills to many trades.

ADST ARTMETAL JEWELLRY 12 (MTAMJ12)

No prerequisite needed—just your imagination to create unique and personalized art and metal designs. This course explores a wide variety of different design skills, including the lost wax method, welding, soldering, lathe work and wire work to create silver jewelry and other projects such as wire mobiles, garden sculptures and unique objects of functional art. The life skills learned will be useful for both post-secondary career choices, and as an outlet for your creative skills.

Youth Train in Trades Program

The Vancouver School Board offers district programs for students to pursue industry certification or the foundation level of a skilled trade program. These programs save time and money (free tuition) and offer a jump start for students in grade 11 or 12. The benefits include:

- Dual credit with post-secondary institution (most programs)
- Head start with Foundation trades training
- Registration with Skilled Trades BC (formerly the Industry Training Authority)
- Potential direct lead into an apprenticeship
- Work experience in the trade

For more information and to download an application form, please visit the VSB Career Programs website – careerprograms.vsb.bc.ca. The site includes links to Youth TRAIN in Trades information, a PDF brochure for each program, and the application package. For additional detailed information about more than 100 regulated skilled trades and endorsements, visit the Skilled Trades BC website – skilledtradesbc.ca.

All students applying for Youth TRAIN in Trades programs should register at their home school with a full course load. Schools will be asked to modify a student’s timetable if the student is accepted into a Youth TRAIN in Trades program.

Successful completion of a Youth TRAIN in Trades program will earn Level 1 technical training credit or a Certificate of Completion from Skilled Trades BC and leads to either a Red Seal endorsement or Certificate of Qualification in a specific skilled trade.

The following is a list of programs commonly available through Career Programs. Please contact Career Programs directly to determine if Career Programs can accommodate students interested in other trades.

Program	Training Program Institution	Graduation Credits Earned	Standard Class Schedule	Application Due	Program Start Month(s)
Aircraft Maintenance Engineer – M license	BCIT	16	Mon–Fri	March 1	August January
Auto Collision and Refinishing	VCC	32	Mon–Fri	March 1	September
Auto Service Technician	Britannia	20	Mon–Fri, Semester 2	March 1	February
Baking and Pastry Arts	VCC	24	Mon–Thurs 1:00pm – 7:15pm	December 1	July
Carpentry	BCIT	20	Mon–Fri	March 1	July February
Cook	Sir Charles Tupper Secondary	24	Mon–Fri, Semester 2	March 1	February
Electrical	BCIT	24	Mon–Fri	March 1	August February
Hairdressing	VCC	48	Mon–Wed 8:00am – 6:00pm	March 1	September
Heavy Mechanical Trades	VCC	28	Mon–Thurs	March 1	September February

Millwright	BCIT	20	Mon–Fri	March 1	September February
Motorcycle & Power Equipment	BCIT	20	Mon–Fri	March 1	September February
Metal Fabrication	BCIT	20	Mon–Fri	March 1	February
Painting & Decorating	Finishing Trades Institute of BC	4	Mon–Fri	March 1	June
Plumbing	Piping Industry College of BC	8	Mon–Fri	December 1	June

Youth WORK in Trades - Apprenticeship

Students with the skills and connections can start an apprenticeship in high school. Students who are already working or interested in working in a skilled trade can formalize the apprenticeship relationship with their employer. While not all trades are a good fit for work to start without any formal training, several trades allow a student to start a ‘Direct Entry’ apprenticeship first and follow-up with formal training several months into the apprenticeship.

Students interested in a referral to a potential employer can contact Career Programs for support, construction safety training, and/or assistance with the apprenticeship process.

There are 4 courses (16 credits) available to students whose apprenticeship is registered with Skilled Trades BC by the school district. The Career Programs Teacher is available to assist with this process.

Information and application forms are available on the VSB Career Programs website at careerprograms.vsb.bc.ca → Our Programs → Youth WORK in Trades

Youth EXPLORE Trades Sampler – Tupper Tech

Tupper Tech is an exploratory skilled trades program designed for Grade 12 students seeking a supported transition to full-time apprenticeship. Students in the program are introduced to several construction trades, provided with various forms of safety training, and employment readiness skills. This is a program for students who are seeking a more immediate pathway to start working in a skilled trade.

Students in the Tupper Tech program remain attached to their home school for the purpose of graduation but are enrolled in their classes at Sir Charles Tupper Secondary School. In addition to elective credits, students will be enrolled in CLC/Capstone 12 and English First Peoples 12.

For more information or to obtain an application, please visit the VSB Career Programs website. Students interested in applying for the program could benefit from contacting Mr. Joseph Hamilton, the teacher for the Tupper Tech program – jphamilton@vsb.bc.ca or 604-713-8233.

Dual Credit Programs

These programs, in partnership with post-secondary institutions, provide the opportunity for students to get a head start on their certification programs. Students save money (tuition paid by VSB) and earn high school and post-secondary credits at the same time.

Early Childhood Educator

This career path involves working with young children from birth to age five. Early Childhood Educators design and deliver educational programs to support children’s learning and growth. This program can lead to further studies earning a diploma or bachelor’s degree in ECE.

Training Program Institution – Langara College

Program length – 4 months
Graduation credits earned – 16
Application Due Date – March 1
Program Start Month – September

Additional information and application form can be found on the VSB Career Programs website at careerprograms.vsb.bc.ca → Our Programs → Early Childhood Educator

Healthcare Assistant

Students will prepare to work as front-line caregivers in home support, adult day care, assisted living, and complex care (including special care units).

Training Program Institution – Vancouver Community College
Program length – 28 weeks (September to April)
Graduation credits earned – 28
Application Due Date – March 1
Program Start Month – September

Additional information and application form can be found on the VSB Career Programs website at careerprograms.vsb.bc.ca → Our Programs → Healthcare Assistant

School-based Programs

IT and CISCO Networking Program – Killarney Secondary

Students will diversify and enhance their computer knowledge by building a computer, installing software and connecting the computer to networks and to the internet. This hands-on program takes place in a computer lab space. Students can opt to complete industry-recognized certification exams during the program.

Program Length – Semester 2 of grade 12
Graduation credits earned – 16 credits
Application Due Date – March 1
Program Start Month – February

Additional information and application form can be found on the VSB Career Programs website at careerprograms.vsb.bc.ca → Our Programs → CISCO

History of African Descent in BC 12

An off-timetable linear course open to grade 11 & 12 VSB students. Weekly seminars are held at Van Tech.

What do we talk about? Black Culture, African empires, West Indian dialects...Beyoncé, AfroFuturism, Rest, James Brown, Maya Angelou, Art, Architecture, graphic novels, stomping the yard...the list goes on!

Why do we talk about it? To center Black Joy, Resilience and Achievements

What do we do? Field trips and guest speakers, project-based learning, online dialoguing, and seminars.

When do we do it? Once a week in person after school and online through TEAMS

What does it take? A keen interest in history, a desire to connect with students across the district, commitment to showing up to class.

The Fine Print:

There is still space in the course! The course is linear (runs Sept- June) and you are required to attend an in-person seminar once a week. This portion is after school, at Van Tech. This means in your timetable, you *could* have a free block during the day, because you have an off-timetable course.

This course counts as a social studies elective.

It is open to all grade 11 and 12 students in the district, so if you have friends at other schools you can all take the course together.

Questions? Email Jelana Bighorn (jbighorn@vsb.bc.ca)

More Information:

Hear from students? Click [HERE](#)

Information Session **Wed February 21@ 5:30pm (VIRTUAL)**

Register HERE for the Information Session: <https://bit.ly/492ragL>

Register for the course by talking to your school counsellor!

The Vancouver Learning Network is designed to provide opportunities for students to complete secondary school courses in a flexible manner. The program provides a comprehensive selection of quality secondary courses that are delivered largely through asynchronous and self-paced approaches. These courses may replace those in the student's local school, be in addition to their school program, or be a program of full-time studies at VLN.

Refer to the following link for more information: <http://vlns.ca/>

VSB Adult Education



The Vancouver Board of Education operates two Adult Education (AE) centres in Vancouver, South Hill Education Centre, and the Gathering Place Education Centre. AE centres provide students with a wide choice of learning opportunities that range from the basic literacy level (Ministry Foundations courses, Levels 1-7) to high school completion. The Foundations courses help students develop or strengthen specific core skills needed for successful completion of Grade 10/11/12 courses, and senior academic credits lead to high school completion or allow students to gain or upgrade Grade 10/11/12 credits. All courses, both Foundations and Grade 10/11/12, follow prescribed Ministry curriculum. Adult Education also runs one Foundations level out-reach program at Britannia Secondary in partnership with Canuck Family Education Centre, and one senior academic credit youth program located at South Hill Education Centre.

To meet student needs for flexible programming, centres offer courses from early morning to evening, including Saturdays and operate year-round:

- Quarter (9-week terms; beginning 4 times a year; Sept., Nov., Feb., Apr.)
- Semester (18-week terms; beginning 2 times a year; Sept. and Feb.)
- Summer term (5-week term)

Depending on student needs, AE centres provide a variety of course formats which may include:

- Self-paced courses (blended paper-based instruction with face-to-face assistance) from Foundations to Grade 10-12
- Courses – Gathering Place and South Hill Education Centre
- Structured courses at the Foundations and Grade 10/11/12 levels – South Hill Education Centre

Students at our AE centres reflect the diversity of language and cultural backgrounds in Vancouver and range in age from 16 to seniors. Each of the centres responds to the specific needs of its community and program offerings reflect student course requests and enrollment patterns. Please note that students attending adult centres must be 16 years old (on July 1 of the current school year) and follow MOE course concurrency rules to be eligible for Ministry funding.

Gathering Place Education Centre Tel: (604) 257-3849 <http://go.vsb.bc.ca/schools/adulted>

South Hill Education Centre Tel: (604)713-5770 <http://go.vsb.bc.ca/schools/adulted>