

COURSE PLANNING GUIDE

2022-2023



Killarney Secondary School
6454 Killarney Street
Vancouver, BC V5S 2X7

Phone: 604-713-8950
Website: killarneysecondary.com

Table of Contents

Educational Planning.....	4
Course Selection Booklet	4
Graduation Requirements	5
Career Life Education	6
Work Experience	6
Killarney Library / Learning Commons.....	7
Course Outlines.....	8
Business Education	8
English Language Arts (and Psychology)	12
English Language Learning (ELL)	14
Fine Arts - Visual	15
Fine Arts – Theatre.....	16
Fine Arts – Music.....	19
Band	19
Composition & Technology.....	20
Choir.....	21
Strings	22
Home Economics.....	23
Information Technology.....	25
Mathematics	28
Modern Languages	32
Physical and Health Education.....	34
Science	36
Social Studies	40
Student Leadership/Services	46
Technical Studies	47
Automotive	48
Woodworking.....	48
Electronics.....	49
Graphic Arts	50
Drafting	51
Yearbook	52
Metalwork/Jewelry.....	52

Career Programs 54

 Dual Credit Programs 55

 School-based Programs 55

Vancouver Learning Network 57

VSB Adult Education 57

<p>Principal Mr. K. Gill</p> <p>Vice Principals Mr. T. Myring Mr. B. Soong Ms. S. Underwood</p>	<p>Counsellors (2022-2023) Ms. T. Romano (Grade 8) Ms. Glynianyi (Grade 9) Mr. O. Goncalves (Grade 10) Mr. H. Clark (Grade 11, LALS) Ms. A. Sum (Grade 12, LAC) Mr. R. Ferguson (Grade 12)</p>
---	---

Educational Planning

The purpose of this guide is to provide students and parents/ guardians with the information necessary to make thoughtful course selection. Course selection in grades 10, 11, and 12 will have implications for post-secondary opportunities as this guide deals exclusively with course-related information. It is the responsibility of each student to ensure that they complete the appropriate sequence of courses leading to graduation and that they meet the entrance requirements of the post- secondary institution of their choice.

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>

How to make maximum use of this course planning book:

- study the Graduation requirements.
- study the Course Selection Guidelines.
- read the course descriptions and determine what, if any, prerequisites must be met.
- choose the program and course sequence which you feel is most suitable to your interests, abilities, and possible future vocation.

Course Selection Booklet

This booklet is designed for parents/guardians and students who are planning course choices. Each student from Grade 8 to Grade 12 must choose eight courses each year. Grade 12's may choose 7 if they have met graduation requirements.

Killarney provides a variety of courses. Some are (*required*), others are electives. All courses are designed to meet individual needs, interests, and abilities.

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, the offering will be dropped, and the 'alternate' course will be inserted into the timetable by the computer.

NOTE: You cannot select courses by specific teacher.

Graduation Requirements

NEW GRADUATION REQUIREMENTS	
80 credits (equivalent to 20, 4-credit courses) required for graduation	
52 credits are REQUIRED COURSES, including:	
English 10	4 credits
English 11	4 credits
English 12	4 credits
Social Studies 10	4 credits
Social Studies 11 or 12	4 credits
or * B.C. First Nations Studies 12	N/A
Science 10	4 credits
Science 11 or 12	4 credits
Mathematics 10	4 credits
Mathematics 11 or 12	4 credits
Physical & Health Education 10	4 credits
Fine Arts or Applied Skills 10, 11 or 12	4 credits
Career and Life Education 10	4 credits
Career Life Connections 12 and Capstone	4 credits
28 CREDITS ARE ELECTIVE COURSES	
As part of the 28 credits, 12 credits (3 full year courses) must be at the Grade 12 level. The remaining 16 credits may be either Grade 10, 11 or Grade 12 courses.	
ASSESSMENTS	
<ul style="list-style-type: none">• Grade 10 Numeracy Assessment• Grade 10 Literacy Assessment• Grade 12 Literacy Assessment	
EXTERNAL LEARNING CREDITS	
Increased options for students to earn Grade 10, 11 and 12 credits toward graduation by recognizing other learning opportunities.	
Career and Life Education will promote information about and access to:	
<ol style="list-style-type: none">1) Equivalency2) External credentials3) Challenge, and Independent directed studies4) Independent directed studies	
Schools will be able to offer students the Independent Directed Studies option to a maximum of 4 credits in each Ministry or Board Authority-authorized course.	

Please 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 meet 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 while providing an asset to our local businesses. Students will be required to volunteer a total of at least 90 hours. 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.

Killarney Library / Learning Commons

Welcome to Killarney's Library! It is a friendly place to explore, read, learn, and work on your school projects.
Teacher-Librarians: Ms. North, Ms. Greer

We have been told Killarney has the best collection of enticing books for all types of readers in our school district. With over 27,000 print resources (This includes over 4,000 NOVELS, ~200 cool GRAPHIC NOVELS, over 2000 POPULAR NON-FICTION books, hundreds of QUICK READ books, and dozens of E (entry level) books. Plus, we have trustworthy, 'must use' online research databases (like you will use in college / university) accessible 24/7.

Ms. North and Ms. Greer, (two full time teacher-librarians) love working with and helping students. We are available to help you: with your research, find a fascinating book or two or three, and guide your class with meaningful inquiry-based research projects.

Reading for pleasure, doing quality research, and inquiry projects, prepares you not only for post-secondary studies but also helps you develop life-long interests and critical thinking skills.

Killarney has 34 computers (4 reserved for individual students to use during the day) and a high-volume printer. Students usually have access to the library books and computers before and after school, and during library hours (Library Hours are posted on the library door)

Killarney Library's website has helpful tools for students to be successful students, researchers, and critical thinkers.

To access Killarney Library's website: [LIBRARY LEARNING COMMONS](#)

GOOGLE: Killarney Secondary Library

> **RESEARCH** (tab) -gives students helpful research skills, tips, and tools

> **DATABASES / HOME** = #1 step for research

How do I access the
RESEARCH DATABASES?

AT SCHOOL? LOGIN—use your VSB LOGIN & password AT HOME?
LOGIN—use 39ki PASSWORD: library

How do I borrow a book?

- Use your Student Number to sign out a book
- Carry your Student IDCard - GO CARD with you for quicker service
- Lost your Student ID / Go Card? You can buy a new one from the office.

How do I look for a library book online?

- Google: Killarney Secondary Library
- SEARCH CATALOGUE > Type in the name of the book or author or series

How do I renew my library book(s)?

- Go to **LIBRARY CATALOGUE**
 - click **Killarney Secondary** (middle right side)
 - click: **Log in** (upper right)
- **LOGIN:** use your VSB student # and password
- **MY ACCOUNT** * If your books are NOT overdue, click the books you want to renew, then RENEW

REMEMBER...
**PLEASE DO NOT BRING ANY
FOOD OR DRINK INTO THE
LIBRARY**
Thank you

HOURS: 8:20 am – 4:00pm
**Open during FLEX TIME for
doing schoolwork. Open
before and after school to
sign out or return library
books.**

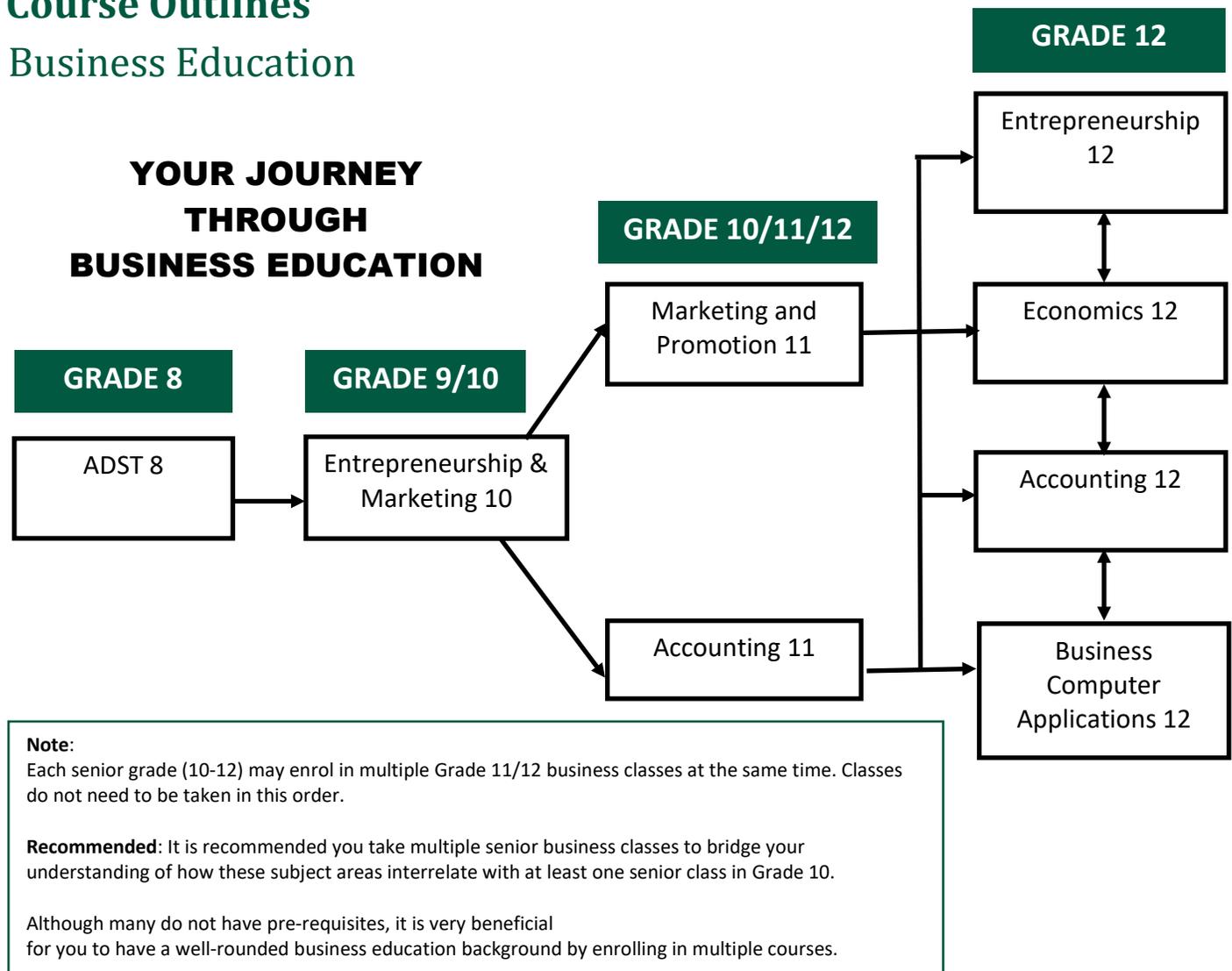
Where do I go to do quality research? > RESEARCH (tab) > DATABASES (tab)

The library is **ALWAYS open at FLEX TIME**; the best time of day to get caught up on your homework, ask for help on your research or inquiry projects, and / or find a great book to read.

Reading at Flex Time is one of the best ways to be a more prepared student and to relax.

Course Outlines

Business Education



ADST—ENTREPRENEURSHIP & MARKETING 10 (MADEM10)

Prerequisites: None
Open to: Grade 9 & 10

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 completion. 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)

Prerequisite: None

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: \$30.00

ACCOUNTING 12 (MACC-12)

Prerequisite: 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)

Prerequisites: None

Open to: Grades 10, 11, 12

Marketing 11 is an introductory course to the world of marketing. This course combines business fundamentals and practical applications with a focus on retailing. Students will learn core concepts and frameworks marketers' use to analyze and improve businesses. The course will examine current marketing concepts, careers, entrepreneurship, advertising and display, customer service, business ethics, and the business environment. Topics covered in the course are:

- The Marketing Mix (4 P's)
- Understanding the Consumer (Buying Behavior)
- Market Segmentation
- Visual Merchandising
- Advertising
- The 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. Get a taste of real-life business scenarios and decision making. The 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

Prerequisite: Priority will be given to students that have taken Marketing 11. Accounting 11 and Accounting 12 are strongly recommended.

Open to: Grade 12 students only

Note: Entry to the course is based on an application process. Please see Mr. Stutz or 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 back-ground 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

BUSINESS COMPUTER APPLICATIONS 12 (MBCA-12)

Prerequisite: None (keyboard skills are recommended)

Open to: Grades 11, 12

Prepare yourself for entering the world of work, college, or university with the proper tech skills used in business. Use industry-standard software. You will walk away from this course with valuable skills to use for the rest of your school and career lives. In this course, you will be introduced to a variety of software applications, some of them including:

- Word
- Excel
- PowerPoint and presentation skills
- Outlook
- Windows Moviemaker
- Google documents
- Photo-editing software
- Media studies
- Layout and design techniques for websites, posters, and infographs

ECONOMICS 12 (MEC--12)

Prerequisite: None

Open to: Grades 11, 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 texts, including Canadian and Indigenous stories 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. A supplemental home reading program is recommended to support academic success.

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. Content will cover a wide range of genres and media, including Indigenous perspectives. The primary goal of English 9 is that students become literate and responsible citizens.

ENGLISH LANGUAGE ARTS 10

English 10 provides two options for students. Both options have the same level of difficulty. Students are to choose one of the following bundles:

COURSE PACKAGE 10M (PKG---10M)

(English Literary Studies—New Media + Literary Studies 10)

Option 1: New Media and Literary Studies

The Literary Studies component focuses on various genres, themes and authors. Within this, students will engage with writers from various perspectives in order to recognize themselves as global citizens. The Media Studies component includes film and visual literacies, journalism and publishing, and digital communication. Through this, students will analyze, assess and produce various mediums.

COURSE PACKAGE 10N (PKG---10N)

(English Composition—New Media 10 + Composition 10)

Option 2: New Media and Composition

Through the composition element of this course, students will explore various forms of writing, for specific audiences and disciplines. This includes narrative, expository, descriptive and persuasive modes of writing. The Media Studies component includes film and visual literacies, journalism and publishing, and digital communication. Through this, students will analyze, assess and produce various mediums.

ELL TRANSITIONAL ENGLISH (XLDCE10ENT)

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 Language Arts 10 (New Media + Composition) concurrently.

ENGLISH LANGUAGE ARTS 11

The following courses all count as 4 credits for English Language Arts 11. Students must take a least ONE of these courses but may choose to take additional courses as electives. Both options have the same level of difficulty and will be comprised of reading, writing, listening, viewing and speaking but with a focus on literature, creative or academic writing. Grade 11 students are also welcome to enroll in Literary Studies 12 IN ADDITION to an ELA 11 option if they have a minimum 80% in their English Language Arts 10.

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 compositions 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.

PSYCHOLOGY 11 (YPSYC1A)

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

This exciting introductory course is similar to 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 ARTS 12

Grade 12 students must take English Studies 12 to fulfill graduation requirements. In addition, they may also take Literary Studies 12 as an elective.

ENGLISH STUDIES 12 (Mandatory) (MENST12)

English Studies 12 promotes critical thinking to challenge students' perceptions and helps 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.

LITERARY STUDIES 12 (MLTST12)

Grade 11 students are welcome to enroll in Literary Studies 12 if they have a minimum 80% in their English Language Arts 10.

LITERARY STUDIES 12: Where Words and Hearts Meet!

Come join this LIT course! We will look at some of the most powerful works of Literature, talk philosophy, history and some of the best gossip this side of the Tower of London all while sipping a cuppa (tea that is). This course is a survey (a survey is like a really great buffet!) of English Literature from the Medieval adventure legend of *Beowulf* (Think: "The Rock" meets "the Predator") to the 20th Century T.S. Eliot's "The Hollow Men" (Think: The Kardashians). This academic course will give students a solid foundation in critical analysis and literary techniques using a variety of shorter literary works (no novel studies!). It is an excellent companion course to English Studies 12, especially for those who are serious about doing well in First Year English at college or university. So put on your sweater vests, beef up your English skills (which will get you a higher mark in English Studies 12, or your money back -- guaranteed!), chill out with some seriously good tea, and join us!

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. Those who would like extra support can also take Academic Strategies 10.

LEVEL 1	LEVEL 2	LEVEL 3	TRANSITIONAL JUNIOR	TRANSITIONAL SENIOR
COURSE CODE PKG--10H	COURSE CODE PKG--10I	COURSE CODE PKG--10J	COURSE CODE XLDCE10SB1	COURSE CODE PKG--10K
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)

Prerequisite: None

This is half year course is run in conjunction with Drama 8. It explores the elements and principles of design through the major ex- pression areas of drawing, painting, printmaking and three-dimensional art.

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

Prerequisite: None

This full year course builds upon the basics taught in Art 8, and explores in greater de- tail the elements and principles of design through the major expression areas of drawing, painting, printmaking and three-dimensional art.

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

Prerequisite: None

This course explores Fiber Arts as an art form and as a craft. Students will be encouraged to develop their creativity and skills set. The con- tent of the course will be multifaceted. It will include some, or all of the following techniques: appliqué, beading, embroidery, crocheting, felting, knitting, macramé and weaving.

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

Drawing and painting have been part of the human experience for thousands of years. In this course students will look at the art of the past and the work of contemporary artists; develop technical skills and create substantial works of art. Individual creativity and expression is encouraged in this studio program.

STUDIO ARTS 3D 11/12 (CERAMICS) (MVA11 or MVA12)

Prerequisite: None

Students will explore ceramics by first learning basic hand building techniques using pinch, coil, and slab. As well, students will learn the basics of firing and glazing. Some pottery wheel work will be covered.

VISUAL ARTS: PHOTOGRAPHY 10 (MVA10)

Pre-requisite: None

Photography is a unique art form that captures images for artistic expression. Learn the studio lightroom basics of photography, Adobe photoshop, DSLR camera's, and lightroom. Catch a glimpse of contemporary and historical photography, beyond your technical and conceptual development. Photography offers unique ways of exploring our identity and sense of belonging.

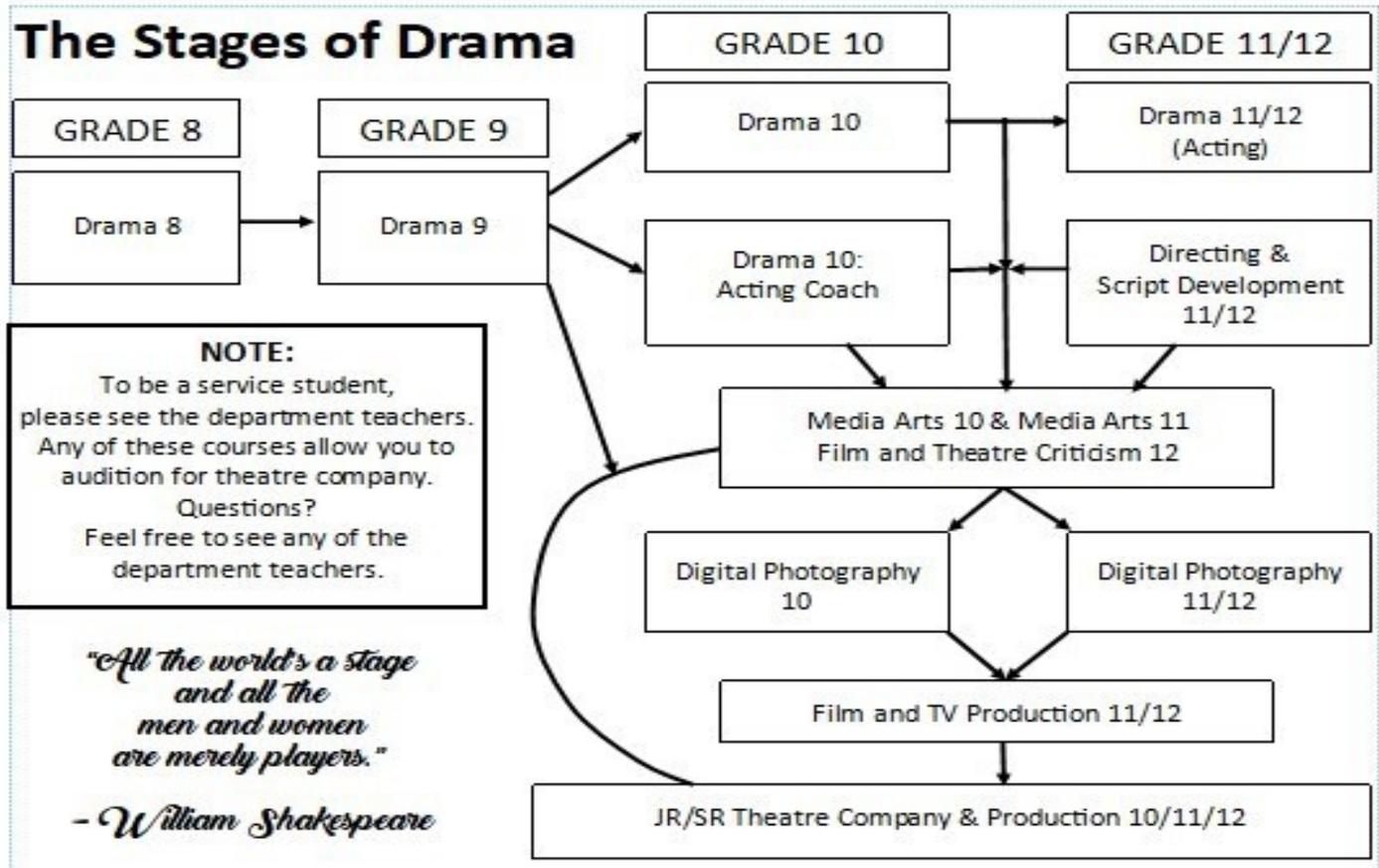
DIGITAL IMAGING & PHOTOGRAPHY 11 & 12 (MVA11 or MVA12)

This course is open to Grade 10—12

To introduce students to digital photography. Content will revolve around developing personal imagery as well as addressing socially relevant issues in photography. Units will include self-portraits, landscapes / nature photography, photojournalism, pictures in ads and magazines, action shots, shadows / light multiplicity, slideshows, double exposure and stop motion. This course focuses on photo composition and will cover basic editing on Photoshop. Students will be using DSLR's—high quality professional cameras.

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)

Prerequisite: None – 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 core competencies. An interest in drama is all you need!

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)

Prerequisite: None - 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 work-shop teachers, 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)

Prerequisite: None - An interest in drama is all you need!

Drama 10 is a transitional course for serious acting students who want to perform in front of larger audiences. Among the many interesting and entertaining areas to be studied are:

- drama leadership
- Script work & mini play performance
- drama games
- improvisation
- film acting
- Lots of FUN!

DRAMA 10: THEATRE PRODUCTION COACHING (MDRD-10SC1)

Prerequisite: Permission of instructor

This course is for Grade 10, 11, and 12 students with a strong back-ground 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.

- Play-building
- some technical theatre
- field trips
- theatre history
- Stage fighting routines
- LOTS OF FUN!

DRAMA 11 ACTING (MDRM-11)

Prerequisite: 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)

Prerequisite: 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!

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 and cinematic productions performed and produced by amateur and professional companies throughout the lower mainland. We will also invite productions to come and perform at our school in our studio and analyze and critique films.

The students will learn and analyze topics such as play style, venue choice, casting, direction, set costume, lighting, acting, cinematography and much, much more. Get ready for a year filled with fun and memorable experiences.

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

Prerequisite: A creative attitude

Film & TV 11/12 is a course which teaches students to bring stories to life through the visual arts. Students will make 6 short films during the year. Student can choose to focus on working in front of the camera, behind the camera and/or acting. Filmmaking skills include:

- Scriptwriting
- Directing
- Acting on camera
- Cinematography (camera techniques)
- Editing (including special effects and sound design) and much more
- This course also involves film critique and analysis

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 extra-curricular time into this course.

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!

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 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. Tubas, baritones, oboes, bassoons, synthesizers and large percussion equipment are available at the school.

The school also owns a limited supply of flutes, clarinets, saxophones, trumpets and trombones. These instruments may be purchased or rented at local music stores or at the *Instrument Night* scheduled at Killarney every September.

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, student 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!

CHORAL MUSIC: CONCERT CHOIR 10 * (MMUCC10--1)

For Grade 10 students who have been in choir for at least one year or by placement from the teacher. 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! Please see Ms. Reimer if you are new to choir before registering.

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 (MMUCCH10-2,) 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.

CHORAL MUSIC: VOCAL JAZZ 10/11/12 (MMUJV10 or MMUJV11 or MMJV12)

Prerequisite: At least one year choir with an "A" standing and/or a successful interview/placement. 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! Students will learn to do solos and duets, use microphones, and learn contemporary acapella arrangements featured in movies such a "Pitch Perfect" and by groups such as "The Pentatonix." 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

***One Piano Player, Two Percussionists and Two 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 from 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 or 3 by placement from 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

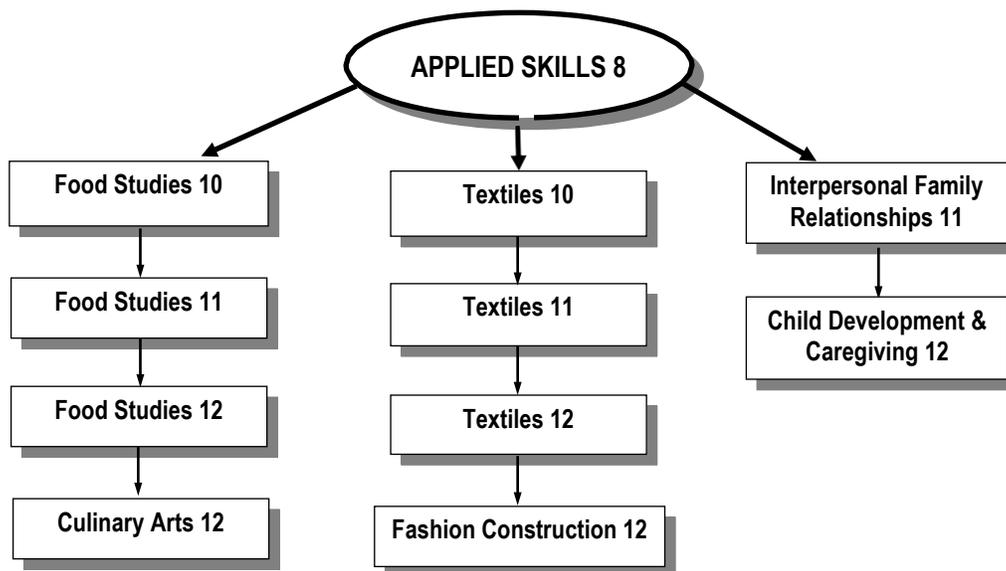
Move up from Level 4 only, by placement from Mr. Urquhart

- **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 Applied Skills. The Home Economics course is divided into two parts: Food Studies and Textiles.

In Food Studies, students develop skills in basic food preparation. Healthy eating habits, nutrition and safety are emphasized throughout the course. In Food Studies and Textiles, students will learn 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 10 (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 10 (MFOOD10)

Prerequisite: None

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)

Prerequisite: Food Studies 10

Further develop your culinary skills by exploring different cultures and cuisines around the world. Course marks are determined by lab work, written assignments, projects and tests. Lab fee applies.

FOOD STUDIES 12 (MFOOD12)

Prerequisite: Food Studies 11

Refine your culinary skills and practice advanced techniques to create everything from fancy appetizers to decadent desserts. Cook with the seasons and learn about local foods, sustainability, global food issues and current culinary trends. This course is made up of labs, written assignments and projects. *Lab fee applies.*

CULINARY ARTS 12 (MCUL-12)

Prerequisite: 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 meals around special occasions, festivals and holidays around the world. This course is made up of labs, written assignments and projects. *Lab fee applies.*

INTERPERSONAL AND FAMILY RELATIONSHIPS 11 (MIAFR11)

The goal of this course is to provide students with a thorough examination of diverse interpersonal relationships. Students will examine their own behaviours and methods of communication and how that impacts their relationships. They will explore the various types of relationships and learn how to communicate safely, appropriately and effectively. Students will also learn about the components of healthy and unhealthy relationships as well as factors involved in starting and ending relationships.

Topics include how to build strong and healthy friendships, parent-child relationships, committed relationships, and work relationships.

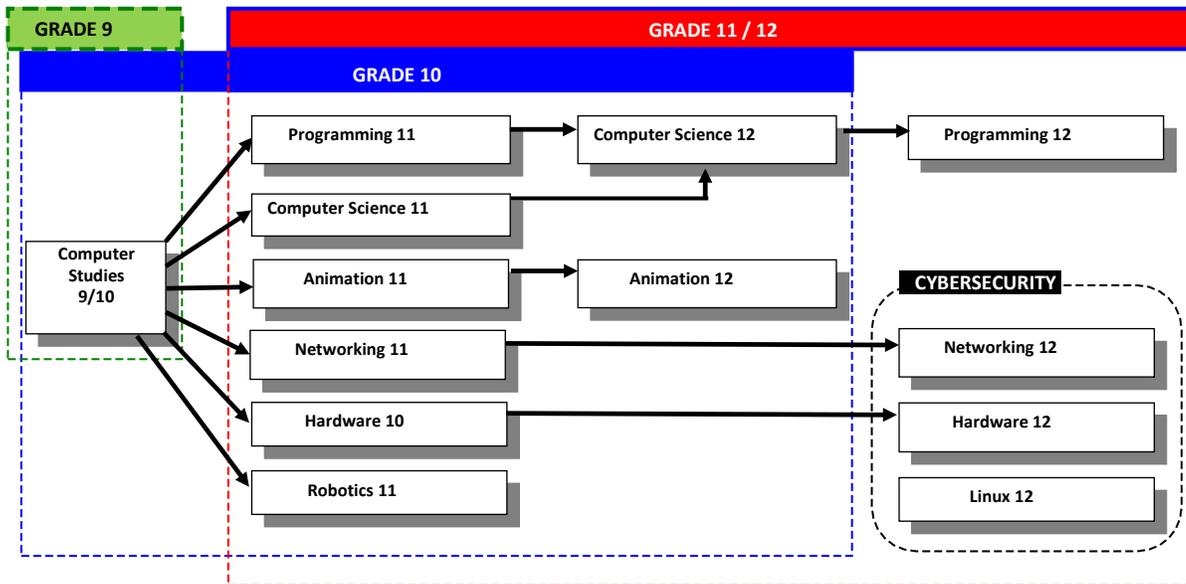
CHILD DEVELOPMENT AND CAREGIVING 12 (MCDAC12)

This course provides an in-depth study of human growth, behavior and development. Students will explore 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.

Topics include the student of effective communication skills, personal assessment, responsible decision-making, families of the past/present/future, child development and the life cycle from birth to death. Students will have the opportunity to mentor elementary school children on exciting projects and fun themes.

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

Information Technology



ADST—COMPUTER STUDIES 9/10 (MCSTU10)

Prerequisites: Math 8 and Science 8

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

- Install RAM, hard drives and investigate new computer builds
- Operating systems tips and tricks
- 3D Animation
- Programming Apps, Microbits, and Arduinos
- Introduced to Python, HTML, CSS and Javascript, Arduinos use C++
- Circuit design and Boolean logic

Note: No prior experience is necessary.

COMPUTER HARDWARE & SOFTWARE 10 (YCAIS0B)

Prerequisites: 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.

ADST: COMPUTER INFORMATION SYSTEMS 11 (ANIMATION 11) (MCINF11)

Prerequisite: Math 10 or Computer Studies 10

Introduction to 3D animation using Maya. Students will create 3D models, characters and basic animations. They will also create animated shorts and poses using 3D rigs.

In addition, they will learn how to animate particles to create explosions and other special FX.

HARDWARE 12 (YCAIS2B)

Prerequisites: 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.

ADST: COMPUTER INFORMATION SYSTEMS 12 (ANIMATION 12) (MCINF12)

Prerequisite: 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. Students will expand upon their knowledge of 3D animation. They will create short movies, their own characters and rigs.

Students will be able to submit their portfolios for scholarships.

ICT: COMPUTER PROGRAMMING 11 (MCMPR11)

Prerequisites: 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)

Prerequisite: 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
- Algorithms
- Creating functions
- Arrays
- Files

COMPUTER SCIENCE 12 (MMACS12)

Prerequisite: Computer Science 11 or Programming 11

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

ICT: COMPUTER PROGRAMMING 12 (MCMPR12)

Prerequisite: Computer Science 12

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

BA LINUX 12 (YCAIS2H)

Pre-Requisite: 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 using technology to attack each other.

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

ADST – ROBOTICS 11 (MTROB11)

Pre-requisites: 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.

BA CISCO NETWORK MANAGEMENT 11 (YCAIS1C)

Prerequisite: 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.

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)

Prerequisite: Math 10 or Computer Studies 10

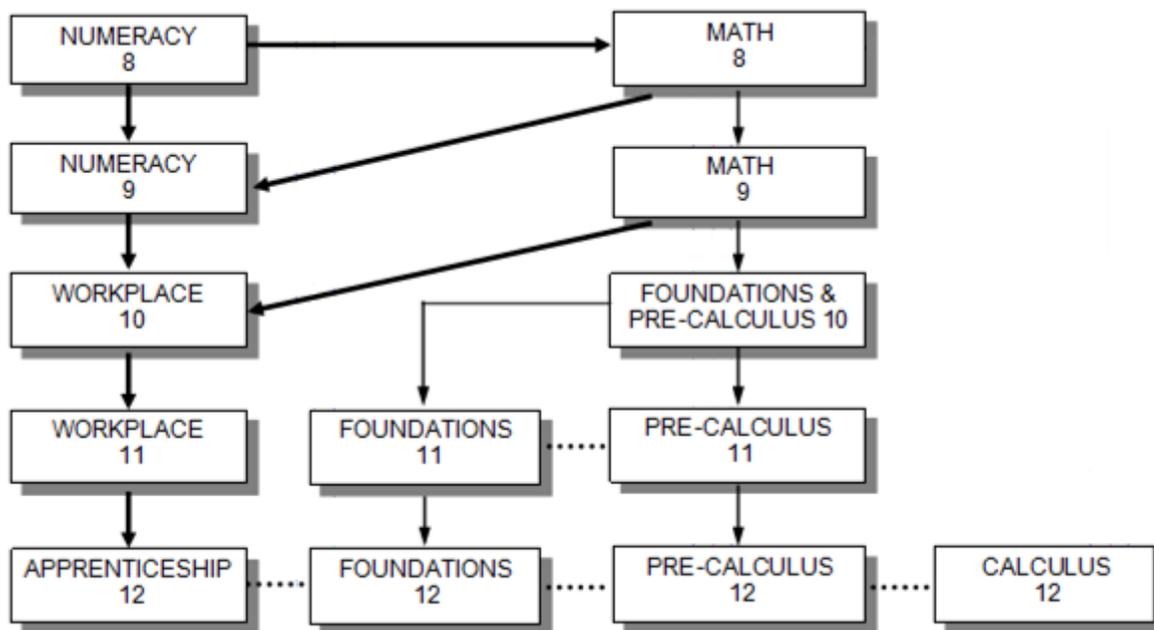
Networking 12 builds upon the curriculum covered in Networking 11 to further develop a student's understanding of digital communication. Networking 12 covers routing protocols, switching technologies, VLANs. Networking 11 is a prerequisite, and it is recommended that the student complete Math 11 before 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 the 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 his or her own calculator. No calculators are used in Grade 8 and most of Grade 9. The school has limited supply of (graphing) calculators for in class use.

GRADE 8

Students entering Grade 8 at Killarney are placed in one of two groupings based upon the recommendation of their grade 7 teacher and results obtained on placement testing that occurs in September of each year.

NUMERACY 8 (MMA--08CO1)

Numeracy 8 is a course that is available for only Grade 8 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 8, Numeracy 9, or Math 9 in the following school year.

MATH 8 (MMA—08)

This course is designed for the majority of students in Grade 8—those with a record of satisfactory/good achievement in elementary school mathematics.

Grade 9

MATH 9 (MMA--09)

Prerequisite: Successful completion of Math 8 with a teacher recommendation.

This course is designed for the majority of students in Grade 9.

Grade 10

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

Prerequisite: Successful completion of Mathematics 9 OR Numeracy 9 with a teacher recommendation. This course is designed for the majority of 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 the majority of students in Grade 10.

WORKPLACE MATHEMATICS 10 (MWPM-10)

Prerequisite: 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. Most universities require Pre-Calculus 11 as a general entrance requirement.

FOUNDATIONS OF MATHEMATICS is an option designed for most students whose post-secondary goals do not include the study of Calculus or sciences. Some universities will accept Foundations of Mathematics at the grade 12 level for admission into non-science programs.

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.

Math 10/11 Extended is an option that runs the course every day over the entire school year. Math 10/11 Extended is by invitation only.

Please confirm with your counsellor about the entrance requirements for the post-secondary institutions you are interested in attending.

PRE-CALCULUS 11 (MPREC11)

Prerequisite: 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)

Prerequisite: 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)

Prerequisite: 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)

Prerequisite: Successful completion of Pre-Calculus 11

FOUNDATIONS OF MATHEMATICS 12 (MFOM-12)

Prerequisite: Successful completion of Foundations of Mathematics 11.

APPRENTICESHIP MATHEMATICS 12 (MAPPR12)

Prerequisite: Successful completion of any Math 11 course

CALCULUS 12 (MCALC12)

Prerequisite: 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 a 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.

AP CALCULUS BC 12A (Prep Course) (ACAL-2A)

The Advanced Placement (AP) Calculus course helps students to prepare for the AP Calculus AB exam (optional) that takes place in May 2015. Students who do well in the AP exam may earn credit for one of their first-year math courses in most universities. Topics that will be covered include properties of functions, limits, differential, and integral calculus. It is recommended that interested students have at least 80% in Principles of Math 11. Students are required to take Principles of Math 12 concurrently.

CALCULUS 12 INTRODUCTORY (MIDS-2F)

Prerequisite: 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. Student 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 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.

CORE FRENCH 8 (MFR--08)

Prerequisite: None 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)

Prerequisite: CORE FRENCH 8

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.

CORE FRENCH 10 (MFR--10)

Prerequisite: CORE FRENCH 9

Learning situations are based around high interest themes such as friendship, movies, part-time jobs, and shopping. Students will increase their level of communicative competence with a continued emphasis on oral skills.

CORE FRENCH 11 (MFR--11)

Prerequisite: CORE FRENCH 10

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.

CORE FRENCH 12 (MFR--12)

Prerequisite: CORE FRENCH 11 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.

CORE FRENCH 11/12 ENRICHED (11ENR /12ENR)

Offered in: Grades 11 and 12 Killarney has introduced enriched classes to meet the needs of students who demonstrate an aptitude for their new language in the regular courses. The courses are specifically geared to the linguistically gifted and enthusiastic student who will be expected to maintain at least a “B” standing progressing through the regular and enriched content course material at the accelerated pace while remaining at grade level. These enriched courses require the recommendation of the teacher.

INTRODUCTORY JAPANESE 11 (MBJA-11)

Prerequisite: None

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.

*Students enrolled in the Japanese pro- gram will have the opportunity to go on an exchange trip to Japan.

The trip is offered every other year for about 10 days in late June to early July.

JAPANESE 11 (MJA--11)

Prerequisite: Introductory Japanese 11 or equivalent knowledge of the Japanese language.

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)

Prerequisite: Japanese 11 or equivalent knowledge of the Japanese language.

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)

Prerequisite: None for Gr. 11 or 12 students (Grade 10 students, please see below)

This is an introductory course designed for motivated Grade 11 and 12 students with no previous knowledge of or ability to speak Spanish. This accelerated language program carries a heavy workload since it covers the content of Spanish 9 and 10 in one year. Successful completion of Beginner’s Spanish will allow the student to enroll in Spanish 11 the following year. The course will use the communicative / experiential approach to teach both oral and written skills and will also include a cultural component to highlight Spanish-speaking countries around the world.

When space permits, this course may also be open to certain Grade 10 students. Students entering Grade 10 may be enrolled in Beginner’s Spanish 11 with: C+ average or better in French 9; Teacher or counselor recommendation.

SPANISH 11 (MSP--11)

Prerequisite: Introductory Spanish 11

This is a senior course for non-Spanish speakers who have completed Spanish 9 and 10 or Beginner’s Spanish 11. The course uses a variety of themes and cultural components to introduce language concepts with a communicative approach. Successful students will advance their level of communicative competence in all four language areas (listening, speaking, reading, and writing) with an emphasis on oral proficiency.

SPANISH 12 * (MSP--12)

Prerequisite: Spanish 11

Spanish 12 is an academic course designed for motivated students with an interest in Hispanic language and culture. This advanced senior course builds on previous knowledge (Spanish 9/10 or Beginner Spanish 11, Spanish 11) with a focus on oral communication, reading, listening, and writing. By the end of Spanish 12, students will be able to communicate comfortably in the past, present, and future time frames using complex structures and a variety of vocabulary.

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 for 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)

Prerequisite: None

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)

Prerequisite: PE 8

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

PHYSICAL EDUCATION 10 (MPHE10)

Prerequisite: PE 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 BOYS (MACLV11B—)

Prerequisite: PE 10

The PE 11 Boys course will consist of a combination of lifetime sports, individual and team games. Minor units on active health, personal fitness.

Leadership development will also be of focus. Based on student interest, field trip offerings may include yoga, indoor rock climbing, golf, skating, swimming, kayaking, and bowling. Field trip fees will be paid by the students. Students selecting this full year course will meet their Daily Physical Activity in Grades 11 and 12.

ACTIVE LIVING 11 GIRLS (MACLV11G—)

Prerequisite: PE 10

The PE 11 Girls course provides an opportunity for a fun filled stress-free environment allowing students to participate in a wide variety of physical and leisure activities. The focus of PE11 Girls is for students to develop a positive attitude toward a healthy lifestyle and to decide to continually be physically active throughout their life. Students will participate in individual, team and recreational activities moving away from standardized fitness testing. As an enrichment to the curriculum, students and teachers will plan field trips throughout the year. Some possible field trips may include yoga, indoor rock climbing, golf, skating, swimming, kayaking, and bowling, resulting in field trip fees to be paid by the students. Students selecting this full year course will meet their Daily Physical Activity in Grades 11 and 12.

ACTIVE LIVING 12 GIRLS (MACLV12G—)

Prerequisite: P.E. 11 Girls

The PE 12 Girls course is an extension and continuation of the PE 11 Girls program. Course description is similar to PE11 Girls program with enrichment to the curriculum and field trips throughout the year. There will be additional fees for field trips.

ACTIVE LIVING 12 BOYS (MACLV12B—)

Prerequisite: PE 11

The PE 12 Boys course will consist of a combination of lifetime sports, individual and team games. Minor units on active health, personal fitness.

Leadership development will also be of focus. Based on student interest, field trip offerings may include yoga, indoor rock climbing, golf, skating, swimming, kayaking, and bowling. Field trip fees will be paid by the students. Students selecting this full year course will meet their Daily Physical Activity in Grades 11 and 12.

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.

GOALS

The science program should provide opportunities for students to develop positive science attitudes. The science program should provide opportunities for students to develop the skills and processes of science. The science program should increase students' scientific knowledge. The science program should provide opportunities for students to develop creative, critical, and formal (i.e., abstract) thinking abilities.

SCIENCE 8 (MSC--08)

Prerequisite: None

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)

Prerequisite: Science 8

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)

Prerequisite: Science 9

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)

Prerequisite: The successful completion of science 10 and on the recommendation of Grade 10 Science Teacher and/or Counsellor.

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 (practical chemistry labs and forensic science investigations)
- Global Science (extreme weather, natural disasters, and environmentalism)

CHEMISTRY 11 (MCH--11)

Prerequisite: 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)

Prerequisite: Completion of Science 10.

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. First Peoples Knowledge will 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.

This is an academic elective and is designed to prepare students for university.

ANATOMY & PHYSIOLOGY 12 (MATPH12)

Prerequisite: Biology 11

Biology 12 is a course designed for students that are thinking about studying science at a higher level. 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.

- 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)

Pre-requisites: 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)

Prerequisite: 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)

Prerequisites: 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.

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. **Socials 10 is the only prerequisite for all senior Socials 12 courses.**

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, and ethical judgments**. 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)

Prerequisite: Level 3 ELL For students entering Grade 10-12.

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.](#)

Please note: Most of the senior Social Studies courses offered at Killarney are at the grade 12 level and while open to students in grades 10 & 11, **grade 12 students have priority.**

EXPLORATIONS IN SOCIAL STUDIES 11 (MEPSS11)

(Not a mandatory grade 11 course) Prerequisite: Social Studies 10

This course is designed to be a Social Studies survey course of the Big Ideas for Social Studies taken from several Grade 12 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. This course will count towards graduation requirements as a “senior socials elective” that all students need to graduate but will not count for post-secondary grade 12 acceptance requirements.

Explorations in Social Studies 11 will cover the key Social Studies skills of **inquiry, significance, evidence, continuity and change, cause and consequence, perspectives, and ethical judgements.** 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.

Click [here](#) for more information.

LAW STUDIES 12 (MLST12)

Prerequisite: Social Studies 10

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.

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.

Please Note: There is no mid-point or final examination in this course.

Click [here](#) for more information.

COMPARATIVE CULTURES 12 (MCMCL12)

Prerequisite: Social Studies 10

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.

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

Please Note: There is no mid-point or final examination in this course.

Click [here](#) for more information.

PHYSICAL GEOGRAPHY 12 (MPGEO12)

Prerequisite: Social Studies 10

Students will look at a variety of data and develop geographic skills to better understand our globally connected world. In particular, how natural processes have an impact on the landscape and human settlement and how interactions between human activities their environment affect the earth locally and globally.

Topics include:

- the atmosphere, hydrosphere, cryosphere, lithosphere, biosphere, and anthroposphere
- plate tectonics
- processes of gradation
- natural disasters
- climate and weather
- characteristics of global biomes, including climate, soil, and vegetation
- natural resources and sustainability
- the effects of/on humans of all the above

Selected case studies of economic development and current problems are used to develop geographic skills and concepts. Several field studies are a component of this course.

Click [here](#) for more information.

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

Prerequisite: Social Studies 10

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.

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.

Click [here](#) for more information.

SOCIAL JUSTICE 12 (MSJ- -12)

Prerequisite: Social Studies 10

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.

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.

Click [here](#) for more information.

ASIAN STUDIES 12 (MASIA12)

Prerequisite: Social Studies 10

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.

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)

Click [here](#) for more information.

CONTEMPORARY INDIGENOUS STUDIES 12 (MINST12)

Prerequisite: Social Studies 10

Contemporary Indigenous Studies 12 explores the varied identities, experiences, and worldviews of Indigenous peoples in Canada and around the world, emphasizing the importance of the interconnection of family, relationships, language, culture, and the land. Factors that sustain and challenge the identities and worldviews of Indigenous peoples are considered in light of their resilience and survival in the face of colonialism. Self-determination, community development, partnerships, and control of economic opportunities are highlighted as responses to inequities in the relationships of Indigenous peoples with governments. 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 through a variety of sources, including films, guest speakers, field trips, student projects, and selected readings.

Click [here](#) for more information.

PHILOSOPHY 12 (MPHIL12)

Prerequisite: Socials 10

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.

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

Click [here](#) for more information.

Student Leadership/Services

LEADERSHIP 11 (YHRA-1A)

Prerequisite: A Leadership 11 application form must be filled out for the student to be considered into this course.

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. Students who did not take Leadership 11 must fill out a Leadership 12 application form to be considered.

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 forms for this course are available from Ms. Nejad in A310 and must be returned to Ms. Nejad as well.

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. As well, 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.

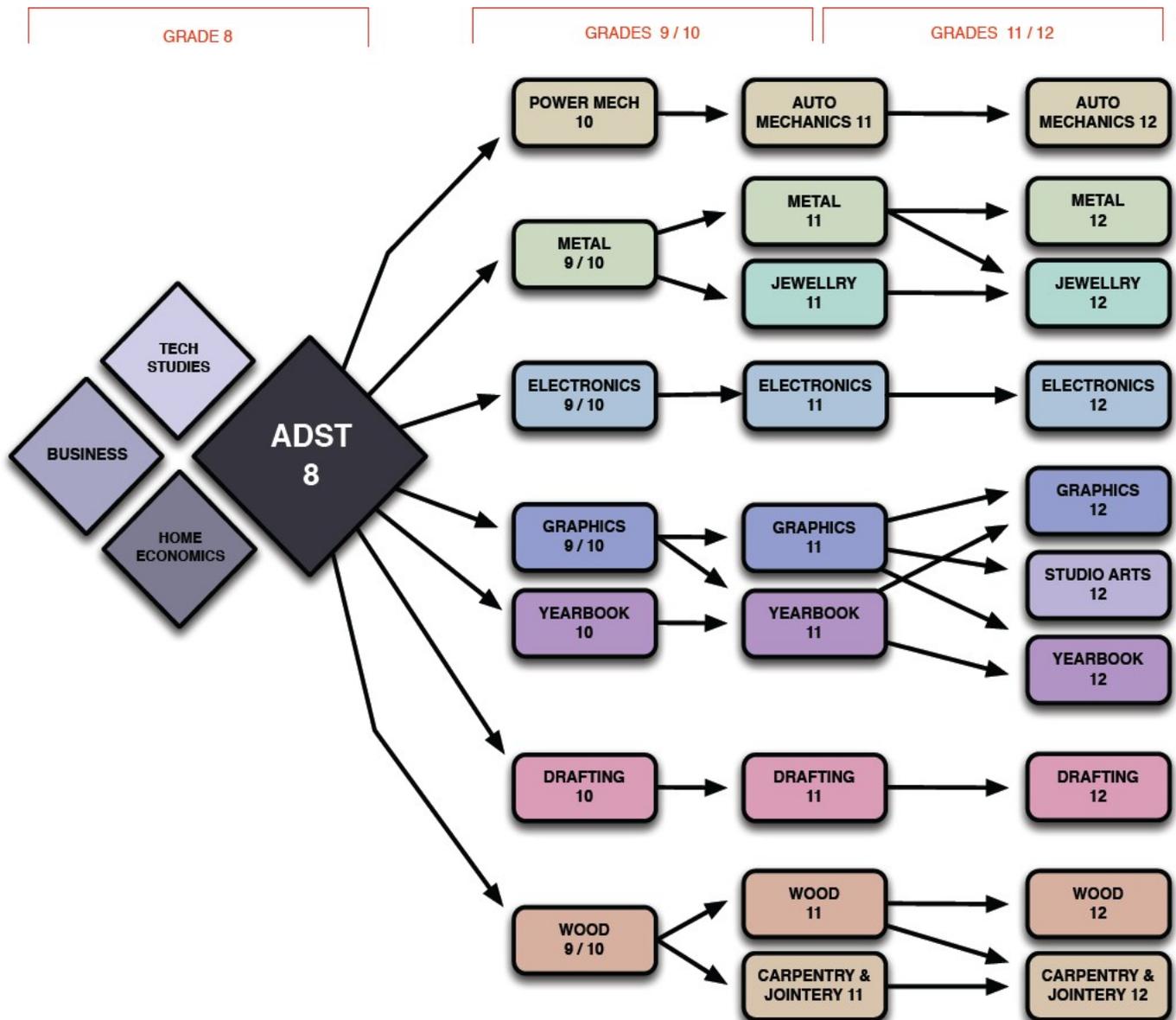
Please visit D110 for more information and for a copy of the application form.

- Click [here](#) for more information.
- [Application Form](#) – please download the form to your computer before completing it

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.

Does this sound like something you might like to find out more about? If so, you can come to Killarney on Day 2's throughout the year and try different trade courses to see which one interests you the most. If you will be in Grade 11 next year, you can take Metalwork / Welding 11, Auto 11, and Drafting / Engineering all in one day to see if working in trades might be right for you. Contact your counselor for more information on how to sign up right away and begin your path to an exciting future.



Automotive

ADST—POWER TECHNOLOGY 10 (MTPOW10)

(No prerequisite)

This co ed course has been designed to give students exposure to today’s technology. Students will gain an 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 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

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.

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.

ADST—WOODWORK 10 (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.

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) (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 10 (MMEDD10)

Prerequisites: None

Graphic Communications 10 is a commercial design course that introduces the basics of concept development, design layout, typography, 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, face masks, phone cases, t-shirts and coffee mugs.

MEDIA DESIGN 11 (MMEDD11)

Prerequisites: None

Media Design 11 is an intermediary commercial design-based course that covers advanced concept development, design layout, 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 tool fluency and overall design skill set. Students will employ advanced knowledge of photography principals and image manipulation to create and design advanced projects such as infographics, hoodies, windbreakers, concept illustrations and compositions.

MEDIA DESIGN 12 (MMEDD12)

Prerequisites: Graphics 10 / 11

Media Design 12 is an advanced commercial design-based course that focuses on professional tool techniques and output methods for vinyl cutting, digital illustration, graphic design, photographic manipulation, compositional artwork, concept development, story-boarding, and multi-page publications. This course is essential for students preparing creative portfolios for post-secondary institutions. Work is done on Apple iMacs with Adobe Illustrator, Photoshop, LightRoom and InDesign. Previous Graphics or Photography experience is recommended.

Drafting

ADST—DRAFTING 10 (MTDRF10)

Prerequisites: None

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)

Prerequisites: None

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)

Prerequisites: 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 constructions 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.

Yearbook

YEARBOOK 10 (YCCT-0C)

Prerequisites: Graphics 10 (concurrently or previous)

Yearbook 10 provides an introduction to 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, Lightroom and Premier. 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)

Prerequisites: Graphics 10 / Yearbook 10 (concurrently or previous)

In Yearbook 11 students will learn advanced techniques to further explore layout and design, digital photography, journalism, desktop publishing, marketing, business development, 4K video production and sales promotions. Yearbook provides students with real world production skills that translate to well-paying and highly creative jobs. Students use Adobe Photoshop, Illustrator, InDesign, Lightroom and Premier. 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 Canada.

YEARBOOK 12 (YCCT-2C)

Prerequisites: 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 and sales promotions. Yearbook is a launchpad course that provides students with real world skills that translate to well-paying and highly creative jobs. Students use Adobe Photoshop, Illustrator, InDesign, Lightroom and Premier. 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. Students access opportunities for mentorship, scholarship and employment opportunities via Killarney's working relationships with the Artona Group and Friesens Canada.

Metalwork/Jewelry

ADST—METALWORK 9/10 (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)

No prerequisite required.

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 also provides life skills and development of your creative and manual skills.

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.

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.

Career Programs

Youth Train in Trades and Youth Work in Trades [Youth TRAIN in Trades Programs](#):

The Vancouver School Board offers district programs for students to pursue industry certification or the foundation level of a trade program. These programs save time and money (free tuition) and offer a huge jump start for students.

The benefits include:

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

For more information and an application form, please visit the VSB Career Programs website careerprograms.vsb.bc.ca links to Youth TRAIN in Trades, a pdf brochure for each program, and the application package. Also visit the Industry Training Authority website: www.itabc.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 program.

Certification: successful completion of program will lead either to:

Level 1 technical training credit or a Certificate of Qualification from the Industry Training Authority.

Following is a list of programs available, Career Programs may be able to accommodate students interested in other trades. Please visit the Career Programs website at careerprograms.vsb.bc.ca for more information.

Program	Application Due Date
Aircraft Maintenance Engineer	March 1
Auto Refinishing Preparation	March 1
Auto Collision Repair Technician	March 1
Auto Service Technician	March 1
Baking and Pastry Arts	December 1
Carpentry	March 1
Cook	March 1
Cook	March 1
**Electrical	March 1
Hairdressing	March 1
** Heavy Mechanical Trades	Ongoing
Plumbing	December 1
Painting	March 1
** Millwright	March 1
** Motorcycle & Power Equipment	March 1
** Metal Fabrication	March 1

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 (free tuition) and earn high school and post-secondary credits at the same time.

Healthcare Assistant (Grade 12)

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

- 28 weeks (September to March)
- 28 graduation credits
- Vancouver Community College

Additional information and application form can be found on the VSB Career Programs website at careerprograms.vsb.bc.ca Our Programs - Healthcare Assistant - [Application Due Date: December 1st](#)

Trades Sampler BCIT (Grade 12)

A hands-on program through BCIT that gives students an overview in approximately 12 different trades including metal fabrication, welding, framing, and electrical.

- 12 weeks – February to May
- Monday to Friday, 7:00 am – 2:00 pm
- 12 graduation credits
- BCIT

Additional information and application form can be found on the VSB Career Programs website at: careerprograms.vsb.bc.ca Our Programs - Trades Sampler BCIT - [Application Due Date: March 1](#)

Youth WORK in Trades - Apprenticeship

Students with the skills and connections can start an apprenticeship in high school. Students who are already working in an apprenticeable trade can formalize the apprenticeship relationship with their employer. There are 4 courses (16 credits) available to these students when they have a formal ITA agreement arranged through the VSB District Apprenticeship Facilitator. Information and application forms are available on the VSB website:

careerprograms.vsb.bc.ca Our Programs - Youth WORK in Trades

School-based Programs

Fashion Design and Technology – Eric Hamber

Students will enhance their construction skills; study history of costume, fashion merchandising; practice tailoring techniques and pattern drafting. Basic computer assisted design and fashion illustration will be practiced. In year 2, students will complete the graduation collection and portfolio needed for post-secondary entrance. Students may have the opportunity to participate in dual credit opportunities with a Fashion Design Program at a local post-secondary institute.

- Two-year cohort program: grade 11 & 12
- Every other day (Day 1 or Day 2)

Additional information and application form can be found on the VSB Career Programs website at: careerprograms.vsb.bc.ca Our Programs - Fashion Design & Technology - [Application Due Date: March 1](#)

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.

- Grade 12
- Day 2
- One-year cohort program, up to 16 credits
- Hands-on, laboratory courses
- Prepare for industry-recognized certification

Additional information and application form can be found on the VSB Career Programs website at: careerprograms.vsb.bc.ca Our Programs - CISCO [Application Due Date: March 1](#)

Cisco
networking



Costs	Details
<ul style="list-style-type: none">Materials, supplies and international industry standard certification exams will cost approximately \$450	<ul style="list-style-type: none">September to JuneKillarney Secondary Day 2s

- Students will be prepared for the A+ certification and LPI certification exam (time permitting, background for the ICND 100-101 certification exam)
- Program covers: fixing, troubleshooting and building computers; setting-up, designing and implementing computer networks; creating cable; setting up and managing Linux server and creating bash scripts; and creating programs for server side or mobile devices

Program Benefits

- 16 high school credits
- Credits towards Level One of the two-year Computer Information Systems Administration Diploma Program at BCIT.
- Reserved seats in BCIT bridging courses with the opportunity to ladder into CISA Level 2 full-time program based on competitive entry and seat availability



CAREER
PROGRAMS



Courses

Computer Hardware 10 or Independent Study 12

- Hardware & Software Technologies
- Information Security
- Safety & Environmental Issues
- Advanced Troubleshooting
- Comp TIA Certification exam prep

Programming 11

- HTML, Javascript
- MySQL
- PHP or Creating Apps

Network Management 12

- Networking Basics
- CCNA R&S 1 and 2
- Routers & Routing Basics
- Fundamentals of Switching
- ICND 100-101 Certification prep (time permitting)

Linux 12

- Linux Essentials
- LPI Certification exam prep
- Systems Administrator

How to Apply

- Download an application from careerprograms.vsb.bc.ca
- Complete with the help of school counsellor or teacher
- Submit to Career Programs by **March 1st**

Contact

Principal Killarney Secondary
604 713- 8950

Mark Reid
Career Programs Resource Teacher
email: mreid@vsb.bc.ca



Tupper Tech - Explore Trades Sampler Program at Sir Charles Tupper Secondary

A program for students who are not sure which trade is right for them.

- Day 2
- Students may be able to remain registered @ home school Day 1
- 24 graduation credits
- Grade 12 program

For more information on Tupper's program, contact Mr. R. Evans (rtevens@vsb.bc.ca) or visit our Program website: careerprograms.vsb.bc.ca Our Programs - Tupper Tech **Application Due Date: March 1**

Enhanced Trades – Killarney Secondary (Grade 11)

A program designed as an introduction to a variety of trades courses which include Automotive Technology 11, Drafting 11, Metalwork 11 and Carpentry & Joinery 11.

- Day 2
- Students remain at home school for Day 1
- 12 to 16 credits
- Grade 11 program
- Additional information and application form can be found on the VSB Career Programs website at: careerprograms.vsb.bc.ca Our Programs - Enhanced Trades **Application Due Date: March 1**

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 VLAN.

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>